

Indoor Air 2014 (July 7-12, 2014, Hong Kong)
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A. Fundamentals of indoor air sciences

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| HP0097 | Shu, Shi | Zhen He, Glenn Morrison | Large agglomerates formed from ozone reactions with surface bound alpha-terpineol and dihydromyrcenol | United States of America | A1: Indoor air chemistry | oral |
| HP0104 | Mendez, Maxence | Nadège Blond, Didier Hauglustaine, Patrice Blondeau, Coralie Schoemaeker, Patrick Lebegue | Development and evaluation of inca-indoor – role of nitrogen dioxide surface reaction in the balance of nitrous acid | France | A1: Indoor air chemistry | oral-poster |
| HP0124 | Gligorovski, Sasho | Vincent Bartolomei, Elena Gomez Alvarez, Julian Wittmer, Rafal Strekowski, Mirella Glor, Cornelius Zetzsch, Etienne Quivet, Henri Wortham | Photolysis of nitrous acid (HONO) emitted by a burning candle as a source of high levels of hydroxyl radicals (OH) | France | A1: Indoor air chemistry | oral |
| HP0125 | Gligorovski, Sasho | Elena Gomez Alvarez, Damien Amedro, Charbel Afif, Coralie Schoemacker, Christa Fittschen, Jean-Francois Doussin, Henri Wortham | Light-induced breakdown of nitrous acid (HONO) as a source of unexpectedly high levels of hydroxyl radical (OH) | France | A1: Indoor air chemistry | oral |
| HP0130 | Gall, Elliott | Jeffrey A. Siegel, Richard L. Corsi | Sensitivity analysis of ozone-material modeling for porous materials in indoor environments | Singapore | A1: Indoor air chemistry | oral |
| HP0183 | Ho, Kin fai | Hsiao-Chi Chuang, Benjamin A Musa Bandowe, Steven Sai Hang Ho | The chemical properties and toxicology of fine particle (PM2.5) from incense burning in Hong Kong | Hong Kong | A1: Indoor air chemistry | oral-poster |
| HP0185 | Salthammer, Tunga | Tobias Schripp | Estimating the distribution of organic pollutants in the indoor environment from molecular properties | Germany | A1: Indoor air chemistry | oral |
| HP0202 | Rim, Donghyun | William W. Nazaroff | Ozone reaction with building materials: effects of diurnal variation and environmental conditions | United States of America | A1: Indoor air chemistry | oral |
| HP0289 | Yamamoto, Kiyoshi | Eunsu Lim, Kazuhide Ito | Performance evaluation of reduction in VOC concentration by photocatalytic building materials in a real-scale chamber | Japan | A1: Indoor air chemistry | oral-poster |
| HP0303 | Chatsuvan, Thabtim | Maneerat Ongwandee | Effects of relative humidity and surface soiling on the sorption of organic pollutants to polymeric material | Thailand | A1: Indoor air chemistry | oral |
| HP0330 | Ito, Kazuhide | Eunsu Lim, Kiyoshi Yamamoto | Small test chamber experiment and modeling of photocatalytic oxidation of volatile organic compounds under indoor environmental conditions | Japan | A1: Indoor air chemistry | oral |
| HP0523 | Li, Hongwan | Glenn Morrison | Adsorption capacity of methamphetamine in gypsum drywall | United States of America | A1: Indoor air chemistry | oral |
| HP0535 | Tsuji, Isamu | Hirofumi Horata, Kazuhide Ito | Experimental and numerical study for developing decomposition model of hydrogen peroxide on building materials | Japan | A1: Indoor air chemistry | oral |
| HP0549 | Mull, Birte | Olaf Wilke | Photocatalytical degradation of selected volatile organic compounds in emission test chambers | Germany | A1: Indoor air chemistry | oral |
| HP0571 | Lin, Chi-Chi | Yu-Lin Cheng | The study of BTEX and carbonyls emissions and ozone removal of green paints | Taiwan | A1: Indoor air chemistry | oral-poster |
| HP0593 | Nakamura, Shunta | Hoon Kim, Shin-Ichi Tanabe | Novel method to measure emission rate of VOCs-emission of formaldehyde | Japan | A1: Indoor air chemistry | oral |

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|------------------------|----------------------|---|---|--------------------------|--------------------------|---------------------|
| HP0638 | Mackenzie-Rae, Felix | Sandra M. Saunders, Xinming M. Wang, Tengyu Liu, Xiang Ding, Yanli Zhang, Wei Deng | Chamber study of α -phellandrene: indoor fragrant and ambient BVOC | Australia | A1: Indoor air chemistry | oral |
| HP0717 | Buechlein, Melissa | Kristia Parker, Glenn Morrison | Skin uptake of gas phase methamphetamine: effect of clothing | United States of America | A1: Indoor air chemistry | oral |
| HP0932 | Noguchi, Miyuki | Shiori Komatsu, Haruka Osawa, Satoshi Yasuzawa, Akihiro Yamasaki | Formation of secondary fine particles and gaseous compounds through the ozonolysis of α -pinene -Effect of coexisting nitrogen monoxide (NO) | Japan | A1: Indoor air chemistry | oral |
| HP0983 | Waring, Michael | J. Raymond Wells | Role of different oxidants on VOC conversion in residences and offices | United States of America | A1: Indoor air chemistry | oral |
| HP0985 | Youssefi, Somayeh | Michael S. Waring | Transient secondary organic aerosol formation from d-limonene and α -pinene ozonolysis in indoor environments | United States of America | A1: Indoor air chemistry | oral |
| HP1067 | Kagi, Naoki | Norikazu Namiki, Kosuke Kondo, Hisae Nakagawa, Shuji Fujii | DEHP adsorption mechanisms on airborne particle surface in indoor air by chamber study | Japan | A1: Indoor air chemistry | oral |
| HP1101 | Lee, Seokyong | Hyunsoo Lee, Wonho Yang, Yoon Shin Kim, Cheolmin Lee, Sunshin Kim, Byungjun Lee, Hogi Ahn, Jung Heo, Hyungtae Kim, Junyoung Yoo, David Lee, Kyunghwan Lee | Potential exposure to nitrogen dioxide and nitrous acid in houses, Korea | Korea South | A1: Indoor air chemistry | oral-poster |
| HP1107 | Ye, Wei | Steven S. Cox, Xiaomin Zhao, Charles E. Frazier, John C. Little | Partially-irreversible sorption of formaldehyde in polymeric materials | United States of America | A1: Indoor air chemistry | oral |
| HP1110 | Lee, Chia-Wei | Hsin-Hung Lin, Wei-Lun Lee, Xin Gao | Indoor air chemistry of ozone / smoke reaction in the guestroom | Taiwan | A1: Indoor air chemistry | oral |
| HP1127 | Liu, Yu-Chun | Nai-Yun Hsu, Han-Yu Shih, Huey-Jen Su | Rising formaldehyde level is associated with the temperature in Taiwan residence | Taiwan | A1: Indoor air chemistry | oral |
| HP1163 | Carslaw, Nicola | | A modelling study of limonene oxidation products following cleaning activities | United Kingdom | A1: Indoor air chemistry | oral |
| HP1172 | Carslaw, Nicola | Andrew Terry, Mike Ashmore | Impacts of heatwaves on the indoor air quality of offices and their occupants: a glimpse of the future? | United Kingdom | A1: Indoor air chemistry | oral |
| HP1309 | Khurshid, Shahana | Kerry A. Kinney, Jeffrey A. Siegel | The role of ozone and terpenes on the concentration of indoor particulate reactive oxygen species | United States of America | A1: Indoor air chemistry | oral |
| HP1434 | Ali, Zulfiqar | Tahir Mahmood, Safdar Sidra, Zaheer A. Nasir, Ian Colbeck | Measurement of NO ₂ inside and outside various educational institutes of Lahore, Pakistan | Pakistan | A1: Indoor air chemistry | oral-poster |

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| HP0061 | Chang, Chun-Chuan | Gregory F. Lane-Serff, David D. Apsley | The influence of humidity in modelling buoyancy-driven indoor ventilation | United Kingdom | A2: Indoor air physics | oral |
| HP1258 | Li, Yongqiang | Meng Liu, Yun Zhang | Analysis on pollutant distribution from ground source under typical architectural layouts | China | A2: Indoor air physics | oral |
| HP1345 | Heschl, Christian | Peter Klanatsky, Kiao Inthavong | Turbulence modelling for indoor airflow simulation | Austria | A2: Indoor air physics | oral-poster |
| HP1346 | Klanatsky, Peter | Christian Heschl, Johannes Schnitzer, Helmut Jilg | Influence of the moisture storage capacity of building materials on relative humidity in indoor environments | Austria | A2: Indoor air physics | oral-poster |

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|------------------------|-------------------------|---|---|--------------------------|-----------------------------|--------------|
| HP0015 | Loh, Tze Ping | Chun Kiat Lee, Hong Kai Lee, Evelyn S.C. Koay, Julian W. Tang | A novel application of high-speed, real-time shadowgraph imaging: demonstrating micro-droplet ejection from pipette tips and potential for contamination in molecular diagnostic laboratories | Canada | A3: Indoor air microbiology | oral |
| HP0134 | Gong, Jia-You | Yi-Ting Huang, Kou-Pin Yu | For fungal spores, TiO ₂ nanoparticles may be a sun block than a photocatalyst | Taiwan | A3: Indoor air microbiology | oral |
| HP0135 | Chen, Yen-Chi | Wen-Cheng Shao, Kuo-Pin Yu | A study on evaluating fungal growth and influential factors on building materials | Taiwan | A3: Indoor air microbiology | oral |
| HP0172 | Kuo, Yu-Mei | Ting-Ho Kuo, Sheng-Hsiu Huang, Chih-Wei Lin, Wen-Jong Wu, Chih-Chieh Chen | Characterization of an inkjet aerosol generator for bioaerosol survivability study | Taiwan | A3: Indoor air microbiology | oral-poster |
| HP0232 | Mensah-Attipoe, Jacob | Tiina Reponen, Anna-Mariaveijalainen, Helena Rintala, Martin Täubel, Anne Hyvärinen, Anniina Salmela, Pertti Pasanen | Comparison of methods for assessing growth of fungi on building materials | Finland | A3: Indoor air microbiology | oral |
| HP0236 | Lawniczek-walczyk, Anna | Malgorzata Golofit-Szymczak, Marcin Cyprowski, Agata Stobnicka, Rafal L. Górny | Microbial particles released from biomass in modern storage and processing rooms at power plants | Poland | A3: Indoor air microbiology | oral |
| HP0285 | Nunez, Maria | | What are indoor microbial communities? An ecological approach | Norway | A3: Indoor air microbiology | oral |
| HP0292 | Takehiro, Eriko | Takeshi Wakui, Mizue Sawada, Ko Tomita, Takashi Gondo, Kuniaki Mihara | Study of prompt mould evaluation method for indoor air quality | Japan | A3: Indoor air microbiology | oral |
| HP0317 | Luan, Yameng | Jiarong Xie, Xiao Sun, Xudong Yang, Jan Sundell | The effect of limonene and ozone reactions on fractional exhaled nitric oxide. A pilot study | China | A3: Indoor air microbiology | oral |
| HP0359 | Zhang, Yun | Junjie Liu | The effect of air velocity, temperature and relative humidity on the microorganism growth on air filtration media | China | A3: Indoor air microbiology | oral |
| HP0408 | Reponen, Tiina | Sampo Saari, Jacob Mensah-Attipoe, Ari Ukkonen, Anna-Maria Veijalainen, Pertti Pasanen, Jorma Keskinen | Characterization of charge in airborne fungal spores | Finland | A3: Indoor air microbiology | oral |
| HP0434 | Bhangar, Seema | Rachel I. Adams, Wilmer Pasut, J. Alex Huffman, Edward Arens, William W. Nazaroff | Human emissions of size-resolved fluorescent biological aerosol particles indoors | United States of America | A3: Indoor air microbiology | oral |
| HP0452 | Adams, Rachel | Seema Bhangar, Wilmer Pasut, Edward Arens, John W. Taylor, Steven E. Lindow, J.A. Huffman, William W. Nazaroff, Thomas D. Bruns | Characterizing microbes in occupied spaces: environmental chamber study of human emission factors | United States of America | A3: Indoor air microbiology | oral |
| HP0453 | Xie, Jiarong | Xiao Sun, Yameng Luan, Xudong Yang, Jan Sundell | Exhaled nitric oxide and acute PM _{2.5} exposure in healthy adults | China | A3: Indoor air microbiology | oral |
| HP0455 | Leung, Marcus | David Wilkins, Ellen Li, Fred Kong, Patrick K.H. Lee | Using next-generation sequencing technology to determine the metagenome of the Hong Kong subway network | Hong Kong | A3: Indoor air microbiology | oral |
| HP0502 | Kang, Yoonkyung | Katsunori Nagano, Makoto Nakamura | The assessment of microbial contamination on energy recovery ventilation devices in the airtight-house | Japan | A3: Indoor air microbiology | oral-poster |
| HP0552 | Lee, Shu-An | Yu-Kuang Wang | The effect of relative humidity during fungal growth on fungal release in the air | Taiwan | A3: Indoor air microbiology | oral-poster |

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| HP0568 | Hyvärinen, Anne | Martin Täubel, José Jacobs, Hanna Leppänen, Alicia Borrás, Esmeralda Krop, Jan-Paul Zock, Dick Heederik, Juha Pekkanen, Aino Nevalainen | A longitudinal assessment of microbial exposures in schools in relation to moisture damage and dampness | Finland | A3: Indoor air microbiology | oral-poster |
| HP0589 | Tsai, Ming Chien | Yen Chi Chen, Kuo-Pin Yu | The effect of support and heat treatment temperature on the antifungal efficiency of nano-silver | Taiwan | A3: Indoor air microbiology | oral-poster |
| HP0616 | Chatterjee, Kanistha | Eric Kettleson, Atin Adhikari, Sergey Grinshpun, Steve Vesper, Tiina Reponen | Assessing bacterial diversity in moisture-damaged buildings using pyrosequencing | United States of America | A3: Indoor air microbiology | oral |
| HP0646 | Ikeda, Koichi | Kazuya Tamura, Shoichi Nakai | Studies on microbial contamination control of the evaporative humidifier for HVAC system using electrolyzed water | Japan | A3: Indoor air microbiology | oral-poster |
| HP0654 | Luhung, Irvan | Yan Wu, William W. Nazaroff, Victor W.C. Chang | DNA-based protocol optimization for bioaerosol sampling in an urban tropical environment | Singapore | A3: Indoor air microbiology | oral |
| HP0658 | Wu, Yan | Irvan Luhung, Qingliang Cao, William W. Nazaroff, Victor W.C. Chang | Characterizing the indoor microbiome in an office in Singapore before and after cleaning to address a mold problem | Singapore | A3: Indoor air microbiology | oral |
| HP0738 | Luongo, Julia | Shelly L. Miller | Applying ultraviolet germicidal irradiation to HVAC heat exchangers to reduce biofouling and improve heat transfer capability | United States of America | A3: Indoor air microbiology | oral |
| HP0899 | Ramos, Tiffanie | Parham Azimi, Laurit Dide, Sandra Dedesko, Jack A. Gilbert, Jeffrey A. Siegel, Brent Stephens | Building science measurements in the Hospital Microbiome Project | United States of America | A3: Indoor air microbiology | oral |
| HP0910 | Keady, Patricia | Jonathan Awerbuch, Joanne Emerson, Noah Fierer, Shelly L. Miller | Environmental, occupancy, and seasonal factors associated with the microorganisms found in single family residences | United States of America | A3: Indoor air microbiology | oral |
| HP0937 | Stephens, Brent | Akram Ali, Deion Debose, Boyang Dong, Torkan Fazli | Open source building science sensors for indoor microbiology | United States of America | A3: Indoor air microbiology | oral |
| HP0974 | Reiman, Marjut | Sirpa Rautiala, Liisa Kujanpää | Microbial flora related to moisture damages in buildings | Finland | A3: Indoor air microbiology | oral-poster |
| HP0987 | Handorean, Alina | Odessa Gomez, Jane Turner, Mark T. Hernandez | Airborne biopolymer analyses to assess the performance of a modern building complex in reducing exposures to proximal wildfire pollution | United States of America | A3: Indoor air microbiology | oral-poster |
| HP0988 | Gilbert, Jack | Kim Handley, Kristen Starkey, Jarrad Hampton Marcel, Jeffrey A. Siegel, Benjamin Kirkup, Brent Stephens | The Hospital Microbiome Project | United States of America | A3: Indoor air microbiology | oral |
| HP1038 | Hayashi, Motoya | Haruki Osawa | A field study on biological pollution and its environmental factors -annual change of mould and mite in the indoor air and on interior surface | Japan | A3: Indoor air microbiology | oral-poster |
| HP1066 | Osawa, Haruki | Motoya Hayashi | A field study on biological pollution and its environmental factors-mould and mite on the interior surface in winter and summer | Japan | A3: Indoor air microbiology | oral-poster |
| HP1091 | Zare, Mahnaz | Jeffrey A. Siegel | Equilibrium relative humidity measurements on common office surfaces | Canada | A3: Indoor air microbiology | oral |

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| HP1092 | Dedesko, Sandra | Tiffanie Ramos, Jack A. Gilbert, Brent Stephens, Jeffrey A. Siegel | Using carbon dioxide and doorway beam-break sensors to determine occupancy in hospital patient rooms | Canada | A3: Indoor air microbiology | oral |
| HP1095 | Zare, Mahnaz | John Chase, Jennifer Fouquier, J. Gregory Caporaso, Scott Kelley, Jeffrey A. Siegel | Impact of building science parameters on microbial communities on indoor surfaces | Canada | A3: Indoor air microbiology | oral |
| HP1150 | Maestre, Juan | Kerry A. Kinney, Paola Passalacqua, Harish Sangireddy, Alexandra Caya, Chloe Wooldridge, Marwa Zaatari | Mapping the UT-Austin microbiome: exploring the outdoor to indoor gradient | United States of America | A3: Indoor air microbiology | oral |
| HP1152 | Caya, Alexandra | Maria King, Chloe Wooldridge, Juan P Maestre, Kerry Kinney | Characterization of the microbial community aerosolized in showers | United States of America | A3: Indoor air microbiology | oral |
| HP1182 | Levin, Hal | Richard L. Corsi | Conceptual framework for building science in indoor microbiome | United States of America | A3: Indoor air microbiology | oral |
| HP1199 | Levin, Hal | | Indoor microbiome: literature on building science connections | United States of America | A3: Indoor air microbiology | oral |
| HP1211 | Dumala, Slawomira | Mariusz Skwarczynski, Marzenna Dudzinska | The effectiveness of the modules with UV lamps in ventilation systems | Poland | A3: Indoor air microbiology | oral-poster |
| HP1244 | Miller, Dana | Denina Hospodsky, Sisira Gorthala, William W. Nazaroff, Jordan Peccia | Seasonal variation of indoor bacterial aerosols in naturally ventilated urban classrooms with high outdoor particulate matter concentrations | Singapore | A3: Indoor air microbiology | oral |
| HP1270 | Spilak, Michal | Sofie M. Knudsen, Anne Mette Madsen, Barbara Kolarik, Marie Frederiksen, Lars Gunnarsen | Association between dwelling characteristics and concentrations of bacteria, endotoxin and fungi in settling dust | Denmark | A3: Indoor air microbiology | oral |
| HP1291 | Lewinska, Anna | Jakob B. Nielsen, Ruut H. Peuhkuri, Carsten Rode, Birgitte Andersen | Novel DNA barcodes for detection, identification and tracking of stachybotrys and chaetomium species | Denmark | A3: Indoor air microbiology | oral |
| HP1380 | Hospodsky, Denina | Naomichi Yamamoto, William W. Nazaroff, Jordan Peccia | Influence of occupancy and building characteristics on the source strengths of bacteria and fungi in the classroom air of primary schools | United States of America | A3: Indoor air microbiology | oral |
| HP1388 | O'donnell, Anne | | The mould detection canine, an essential tool in the compliance of North American Guidelines with regards to mould detection | Canada | A3: Indoor air microbiology | oral-poster |
| HP1413 | Macher, Janet | Wenhao Chen, Mark J. Mendell, Kazukiyo Kumagai | Indoor dampness and mold as indicators of respiratory health risks, Part 5: comparison of a moisture meter and water activity sensor to determine the dampness of gypsum wallboard | United States of America | A3: Indoor air microbiology | oral |
| HP1420 | Macher, Janet | Mark J. Mendell, Kazukiyo Kumagai, Asa Bradman, José M. Camacho, Kim G. Harley, Brenda Eskenazi | indoor dampness and mold as indicators of respiratory health risks, Part 4: higher measured moisture in homes with qualitative evidence of dampness or mold | United States of America | A3: Indoor air microbiology | oral |

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| HP0127 | Licina, Dusan | Arsen Melikov, Chandra Sekhar, Kwok Wai Tham | Interaction of convective flow generated by human body with room ventilation flow: impact on transport of pollution to the breathing zone | Denmark | A4: Indoor aerodynamics | oral |
| HP1384 | Awamura, Yuta | Toshio Yamanaka, Hisashi Kotani, Yoshihisa Momi, Kazunobu Sagara | Prediction of deodorant effect and change in particle size distribution of deodorant water mist sprayed downward by two-fluid nozzle | Japan | A4: Indoor aerodynamics | oral |

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| HP0065 | Li, Min | | Robust estimations of parameters and accuracy of VOCs diffusion in building materials in a nonfitting way | China | A5: Indoor transport phenomena | oral |
| HP0159 | Saber, Esmail | Matthias Mast, Kwok Wai Tham, Hansjürg Leibundgut | Numerical modelling of an indoor space conditioned with low exergy cooling technologies in the tropics | Singapore | A5: Indoor transport phenomena | oral |
| HP0179 | Wu, Yan | Jianlei Niu, Naiping Gao | Numerical investigation of required mechanical exhaust rate to avoid expiration from open windows caused by buoyancy | China | A5: Indoor transport phenomena | oral |
| HP0244 | Yang, Shen | Weihui Liang, Xudong Yang | Impact of several factors on indoor pollutant distribution uniformity in a single room with mechanical and isothermal ventilation | China | A5: Indoor transport phenomena | oral |
| HP0371 | Pan, Jiechen | Guoqing He | Drying of paint and volatile residuals in the film | China | A5: Indoor transport phenomena | oral-poster |
| HP0394 | Sagheby, S. Hossein | Martin Kriegel | Numerical study of the dispersion of contaminants from a "cold" source in a low-velocity ventilated room | Germany | A5: Indoor transport phenomena | oral |
| HP0469 | Cherniakov, Evgeny | Sauchung Fu, Ginnam S.Z.E. To, Christopher Y.H. Chao | A numerical investigation of effects of a moving operator on airborne contamination removal in a cleanroom | Hong Kong | A5: Indoor transport phenomena | oral |
| HP0511 | Wood, Richard | Duncan J. Borman, Catherine J. Noakes, Andrew W. Woods | Contaminant transport in a hospital corridor using a water-bath model | United Kingdom | A5: Indoor transport phenomena | oral |
| HP0536 | Liang, Yirui | Ying Xu | Indoor residential fate model of phthalate plasticizers | United States of America | A5: Indoor transport phenomena | oral |
| HP0579 | Bi, Chenyang | Ying Xu | The influence of temperature, ventilation and humidity on the fate and transport of indoor phthalates | United States of America | A5: Indoor transport phenomena | oral-poster |
| HP0581 | Yan, Yihuan | Xiangdong Li, Jiyuan Tu | Numerical study of passenger thermal effects on the transport characteristics of exhaled droplets in an airliner cabin | Australia | A5: Indoor transport phenomena | oral |
| HP0605 | Khan, Amirul | Nicolas Delbosc, Catherine J. Noakes, Jon Summers | A lattice Boltzmann based real-time Computational Fluid Dynamics (CFD) simulation of movement-induced indoor contaminant transport | United Kingdom | A5: Indoor transport phenomena | oral |
| HP0695 | Hathway, Abigail | Ilias Papakonstantis, Adorkor Bruce Konuah, Wernher Brevis | Towards understanding the role of human activity on indoor air flows: a case study of door motion based on both field and experimental activities | United Kingdom | A5: Indoor transport phenomena | oral |
| HP0707 | Liu, Shichao | Guangyu Cao, Brandon E. Boor, Atila Novoselac | A protected occupied zone ventilation system to prevent the transmission of coughed particles | United States of America | A5: Indoor transport phenomena | oral |
| HP0800 | Wei, Jianjian | Yuguo Li | Evolution of the vortex ring and its role in particle transport | Hong Kong | A5: Indoor transport phenomena | oral-poster |
| HP0817 | Leung, Wingtong | Sauchung Fu, Christopher Y.H. Chao | Detachment of droplets from surfaces due to turbulent flow | Hong Kong | A5: Indoor transport phenomena | oral |
| HP0941 | Mu, Yutong | Li Chen, Wenquan Tao, Yaling He | Coupling FVM and lattice Boltzmann method for pore scale investigation on volatile organic compounds emission process | China | A5: Indoor transport phenomena | oral |

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| HP0986 | Wang, Chunyi | Michael S. Waring | Particle generation in HVAC systems due to ozone/terpene reactions | United States of America | A5: Indoor transport phenomena | oral |
| HP1004 | Shinohara, Naohide | Mayumi Uchiyama, Hirohumi Tanaka | Development of novel method to obtain the dermal exposure levels to SVOCs using PFS | Japan | A5: Indoor transport phenomena | oral-poster |
| HP1117 | Liu, Cong | Barbara Kolarik, Lars Gunnarsen, Yinping Zhang | C-depth method to determine diffusion coefficient and partition coefficient of PCB in building materials | China | A5: Indoor transport phenomena | oral |
| HP1140 | Poon, Carman | Alvin C.K. Lai | Size-resolved aerosol transport in a controlled two-zone environment | Hong Kong | A5: Indoor transport phenomena | oral |
| HP1168 | Kwon, Soon-Bark | Minhae Kim, Sangwon Ko, Youngmin Cho, Duck-Shin Park, Wootae Jeong, Jaeyoun Jang | Distribution profile of airborne and surface microorganisms for a selected patient care area in a hospital | Korea South | A5: Indoor transport phenomena | oral |
| HP1263 | Gunnarsen, Lars | Thomas Witterseh, Kathrine Birkemark Olesen | Validation of simple method for determination of penetration of PCB in concrete | Denmark | A5: Indoor transport phenomena | oral-poster |
| HP1389 | Hsiao, Ta-Chih | Zi-Hao Lin | Effect of dynamic shape factor on particle decay rate in test chamber | Taiwan | A5: Indoor transport phenomena | oral |

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| HP0020 | Sadrizadeh, Sasan | Sture K.M. Holmberg | Traffic patterns effects on surgical site infection in the operating room | Sweden | A6: Health and indoor air epidemiology | oral |
| HP0034 | Sadrizadeh, Sasan | Sture Holmberg | Effect of a mobile LAF screen on particle distribution in an operating room | Sweden | A6: Health and indoor air epidemiology | oral |
| HP0044 | Wiesmüller, Gerhard | Regine Szewzyk, Christiane Baschien, Thomas Gabrio, Guido Fischer, Birger Heinzow, Monika Raulf-Heimsoth, Caroline Ew Herr | Risk of toxic reactions to mould exposure – results of a workshop of the annual conference of the German society of hygiene, environmental medicine and preventive medicine held in Munich, Germany in 2011 | Germany | A6: Health and indoor air epidemiology | oral |
| HP0049 | Zhang, Xin | Fan Li, Li Zhang, Zhuohui Zhao, Gunilla Wieslander, Dan Norback | Sick building syndrome among pupils in relation to school environment in Taiyuan, China | China | A6: Health and indoor air epidemiology | oral-poster |
| HP0060 | Tanaka, Masatoshi | | Indoor air environment of temporary houses after great east Japan earthquake | Japan | A6: Health and indoor air epidemiology | oral-poster |
| HP0067 | Zhang, Yan | Yu Gao, Rong Shi, Xiaojin Wang, Michihiro Kamijima, Kiyoshi Sakai, Ying Tian | Household pesticide exposure and the risk of childhood acute leukemia in Shanghai, China | China | A6: Health and indoor air epidemiology | oral-poster |
| HP0073 | Azuma, Kenichi | Koichi Ikeda, Naoki Kagi, U Yanagi, Tomoko Shimodaira, Haruki Osawa | Prevalence of and risk factors for nonspecific building-related symptoms in employees working in office buildings: relationships among indoor air quality, work environment, and occupational stress in summer and winter | Japan | A6: Health and indoor air epidemiology | oral |
| HP0082 | King, Marco-Felipe | Catherine J. Noakes, P. Andrew Sleight | The role of surfaces in the transmission of bioaerosols from source to patient in hospital single and two-bed rooms | United Kingdom | A6: Health and indoor air epidemiology | oral |
| HP0093 | Wang, Lifang | Fang Qu, Yinping Zhang, Jan Sundell | Housing characteristics and home environment in relation to allergic rhinitis among preschool children in Beijing, China: a cross-sectional study | China | A6: Health and indoor air epidemiology | oral |
| HP0128 | Hurrass, Julia | Regine Szewzyk, Christiane Baschien, Thomas Gabrio, Guido Fischer, Lothar Grün, Birger Heinzow, Thomas Hummel, Jana Panašková, Caroline E.W. Herr, Gerhard A. Wiesmüller | Risk of olfactory effects and impairment of well-being resulting from mould exposure – results of a workshop of the annual conference of the German society of hygiene, environmental medicine and preventive medicine held in Freiburg, Germany, in 2012 | Germany | A6: Health and indoor air epidemiology | oral |
| HP0191 | Mendes, Ana | Lívia Aguiar, Cristiana Pereira, Paula Neves, Susana Silva, Diana Mendes, Rossana Moroni, Stefano Bonassi, João Paulo Teixeira | Health and indoor air quality in elderly care centers in Portugal | Portugal | A6: Health and indoor air epidemiology | oral-poster |
| HP0222 | Taubel, Martin | Caroline Shorter, Nevil Pierser, Anne Hyvärinen, Julian Crane | Quantitative PCR determination of microbes in relation to observed measures of mould in homes | Finland | A6: Health and indoor air epidemiology | oral |
| HP0231 | Kong, Xiangrui | Yufeng Zhang, Yuexia Sun, Yanmei Pang, Jing Hou, Panfeng Deng, Jing Guo, Yuan Gao, Ruiling Liu, Jan Sundell | Report from an ongoing epidemiological investigation on the association between children's health and home environmental factors in Tianjin, China | China | A6: Health and indoor air epidemiology | oral-poster |
| HP0252 | Kjeldsen, Birthe | Jørn Toftum, Pawel Wargocki, Henriette R. Menå, Eva M.N. Hansen, Geo Clausen | Classroom ventilation type and pupil learning | Denmark | A6: Health and indoor air epidemiology | oral |

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| HP0307 | Hou, Jing | Yuxia Sun, Zhigang Wang, Xiangrui Kong, Jing Guo, Yanmei Pang, Panfeng Deng, Yuan Gao, Jan Sundell | Differences in urban and rural home environment and the association with children's health in China | China | A6: Health and indoor air epidemiology | oral |
| HP0356 | Takayama, Naoto | Toshiharu Ikaga, Shingo Hori, Masaru Suzuki, Wataru Umishio | Bathing and indoor thermal environment: modeling body temperature and preventing heat stroke | Japan | A6: Health and indoor air epidemiology | oral-poster |
| HP0402 | Tham, Kwok | Moshood O. Fadeyi, Wei Y. Wu, Henry C. Willem, Gerald Koh | Effect of ozone initiated chemistry on physiological responses of tropically acclimatized subjects in a simulated office environment | Singapore | A6: Health and indoor air epidemiology | oral |
| HP0404 | Norbäck, Dan | Erik Lampa, Karin Engvall | Asthma, allergy and eczema among adults in multifamily houses in Stockholm (3HE-study)-associations with energy use, building characteristics, maintenance and home environment factors | Sweden | A6: Health and indoor air epidemiology | oral |
| HP0445 | Bhattacharjee, Suchismita | Mahfouz Tarek, Somik Ghosh | Association of indoor environmental quality of student residence halls with perceived health symptoms of the occupants | United States of America | A6: Health and indoor air epidemiology | oral-poster |
| HP0448 | Yamaguchi, Rika | Natsuko Nagasawa, Ryuichi Kato, Hitomi Tsutsumi, Yukiko Matsuoka, Takashi Akimoto, Shin-Ichi Tanabe | The importance of non-energy benefits in living environments for promoting stress-related health | Japan | A6: Health and indoor air epidemiology | oral |
| HP0526 | Takaoka, Motoko | Kyoko Suzuki, Dan Norbäck | Sick building syndrome among junior high school students in Japan in relation to the home and school environment | Japan | A6: Health and indoor air epidemiology | oral |
| HP0539 | Umishio, Wataru | Toshiharu Ikaga, Kuniaki Otsuka, Shintaro Ando | Impacts of indoor thermal environment and personal factors on home blood pressure in winter | Japan | A6: Health and indoor air epidemiology | oral |
| HP0547 | Xie, Shao-Hua | Ignatius Tak-Sun Yu, Lap Ah Tse, Joseph Siu Kie Au, June Sze Man Lau | Domestic incense burning and nasopharyngeal carcinoma in Chinese: who are more likely to be the victims? | Hong Kong | A6: Health and indoor air epidemiology | oral |
| HP0563 | Wang, Juan | Karin Engvall, Greta Smedje, Dan Norbäck | Rhinitis, asthma and airway infections among adults in relation to the home environment in multifamily buildings in Sweden | Sweden | A6: Health and indoor air epidemiology | oral |
| HP0566 | Wong, Claudie | Xiang-Qian Lao, Helen H.L. Chang, Ignatius T.S. Yu | Exposure to household cleaning products and respiratory health effects in young school children | Hong Kong | A6: Health and indoor air epidemiology | oral |
| HP0642 | Lao, Xiangqian | Arthur Pui-Sang Lau, Adrien Kam-Cheuk Chan, Kin-Fai Ho, Claudie Chiu-Yi Wong, Ignatius Tak-Sun Yu | Prospective cohort study on health effects of school environmental air quality in Hong Kong school children | China | A6: Health and indoor air epidemiology | oral-poster |
| HP0645 | Mori, Ikue | Kazuyo Tsuzuki | Renovation of houses with well-insulated windows - effect on physical activity of the elderly | Japan | A6: Health and indoor air epidemiology | oral-poster |
| HP0647 | Zhao, Zhuohui | Dan Norback, Weimin Song, Hongwei Guo, Jinzhao Zhao, Haidong Kan | Residential risk factors for atopic dermatitis in 3- to 6-year-old children: a cross-sectional study in Shanghai, China | China | A6: Health and indoor air epidemiology | oral-poster |
| HP0672 | Ramos, Carla | Susana M Almeida, Hubert Th Wolterbeek | Estimating the exposure of pollutants during indoor physical activity | Portugal | A6: Health and indoor air epidemiology | Oral-poster |

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| HP0705 | Madureira, Joana | Inês Paciência, Elisabete Ramos, Cristiana Pereira, João P. Teixeira, Gabriela Ventura, Eduardo O. Fernandes, Henrique Barros | Adverse respiratory effects of indoor air pollution | Portugal | A6: Health and indoor air epidemiology | oral |
| HP0735 | Fung, Cecilia | Ignatius T.S. Yu, Albert M. Li, William B. Goggins | Wheeze during the first 18 months of life: a prospective cohort study to explore the associations with indoor nitrogen dioxide, formaldehyde and family history of asthma | Hong Kong | A6: Health and indoor air epidemiology | oral |
| HP0774 | Zock, Jan-Paul | Alicia Borràs-Santos, José Jacobs, Esmeralda Krop, Kati Huttunen, Maija-Riitta Hirvonen, Martin Täubel, Dick Heederik, Juha Pekkanen, Anne Hyvärinen | Moisture damage in primary school buildings and respiratory health effects in teachers: the HITEA longitudinal study | Spain | A6: Health and indoor air epidemiology | oral |
| HP0777 | Herbarth, Olf | Philipp Opitz, Silke Matysik | Long-term trend of indoor VOCs – changes in composition and consequences for human health risk assessment | Germany | A6: Health and indoor air epidemiology | oral |
| HP0790 | Zaitseva, Nina | Olga U. Ustinova, Konstantin P. Luzhetsky, Olga A. Maklakova | Health status characteristics of children living in the conditions of formaldehyde indoor air pollution | Russia | A6: Health and indoor air epidemiology | oral-poster |
| HP0806 | Hasegawa, Kenichi | Hiroshi Yoshino, U Yanagi, Toru Otake, Kenichi Azuma, Haruki Osawa, Naoki Kagi, Naohide Shinohara, Asako Hasegawa | Indoor environmental problems and occupants' health in water-damaged homes due to tsunami disaster | Japan | A6: Health and indoor air epidemiology | oral |
| HP0829 | Heederik, Dirk | José Jacobs, Alicia Borràs-Santos, Esmeralda Krop, Martin Täubel, Hanna Leppänen, Ulla Haverinen-Shaughnessy, Juha Pekkanen, Anne Hyvärinen, Gert Doekes, Jan-Paul Zock | Dampness, bacterial and fungal components in dust in primary schools and respiratory health in school children across Europe | Netherlands | A6: Health and indoor air epidemiology | oral |
| HP0835 | Thiault, Guénaël | Eddie Faure, Loïc Paillat, Ghislaine Goupil, Sophie Riffet, Claudie Delaunay | Investigations highlighting carbon monoxide | France | A6: Health and indoor air epidemiology | oral-poster |
| HP0847 | Dijkstra, Nienke Elske | Yvonne De Kluizenaar, Serena Fossati, Philomena M. Bluysen, Corinne Mandin, Victor G. Mihucz, Peder Wolkoff, Otto Hänninen, Eduardo De Oliveira Fernandes, Gabriela V. Silva, Paolo Carrer, John Bartzis | Modern office related determinants of dry eye complaints – the officair study | Netherlands | A6: Health and indoor air epidemiology | oral |
| HP0878 | Nygaard, Linette | Simon C. Uth, Zhecho D. Bolashikov, Arsen K. Melikov | The effects of radiant cooling versus convective cooling on human EYE tear film stability and blinking rate | Denmark | A6: Health and indoor air epidemiology | oral-poster |
| HP0882 | Mandal, Adhirath | Anubha Mandal, Vijay Gupta, Lalit Kumar, Yajur Kochhar | Effect of indoor air on the health of restaurant workers- a case study | India | A6: Health and indoor air epidemiology | oral-poster |
| HP0918 | Liu, Wei | Chen Huang, Li Shen, Zhijun Zou, Xueying Wang, Jan Sundell | Associations between asthma, related symptoms and ventilation in the sleeping room during night among Shanghai preschool children | China | A6: Health and indoor air epidemiology | oral |
| HP0961 | Tanaka-Kagawa, Toshiko | Susumu Ohkawara, Yoko Okamoto, Kaori Mayumi, Maiko Tahara, Yoko Kawahara, Yoshiaki Ikarashi, Hideto Jinno | Activation of nociceptive transient receptor potential channels by antimicrobial agents/isothiazolinones in consumer products | Japan | A6: Health and indoor air epidemiology | oral-poster |
| HP0962 | Hong, Seung-Cheol | Gi-Young Kim, Yun-Jin Lee | Investigation on the levels of exposure to radio frequency electromagnetic fields at youth's major living spaces | Korea South | A6: Health and indoor air epidemiology | oral-poster |

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| HP0965 | Wang, Xueying | Chen Huang, Wei Liu, Zhijun Zou, Li Shen, Jan Sundell | Associations between dwelling characteristics, home environment and allergic rhinitis among preschool children in Shanghai | China | A6: Health and indoor air epidemiology | oral |
| HP0993 | Jinno, Hideto | Toshiko Tanaka-Kagawa, Yoko Okamoto, Maiko Tahara, Yoshiaki Ikarashi | Japanese national survey of volatile organic compounds in residential air for the revision of the indoor air quality guidelines | Japan | A6: Health and indoor air epidemiology | oral-poster |
| HP0999 | Fan, Guangtao | Jingchao Xie, Hiroshi Yoshino, U Yanagi, Kenyiqi Hasegawa, Jiaping Liu | Study on the association between residential environmental quality and children's health in Beijing | China | A6: Health and indoor air epidemiology | oral |
| HP1007 | Tahara, Maiko | Toshiko Tanaka-Kagawa, Yoko Okamoto, Kaori Mayumi, Yoko Kawahara, Yoshiaki Ikarashi, Hideto Jinno | Random sampling survey of indoor air total volatile organic compounds in Kanto region, Japan | Japan | A6: Health and indoor air epidemiology | oral-poster |
| HP1020 | Matilainen, Markus | Olyemi Toyinbo, Mari Turunen, Tuula Putus, Richard Shaughnessy, Ulla Haverinen-Shaughnessy | An analysis of questionnaire data on indoor environmental quality in schools and student health | Finland | A6: Health and indoor air epidemiology | oral |
| HP1030 | Mendell, Mark | | Indoor dampness and mold as indicators of respiratory health risks, part 2: a brief update on the epidemiologic evidence | United States of America | A6: Health and indoor air epidemiology | oral |
| HP1033 | Mendell, Mark | Janet M. Macher, Kazukiyo Kumagai | Indoor dampness and mold as indicators of respiratory health risks, part 3: a synthesis of published data on indoor measured moisture and health | United States of America | A6: Health and indoor air epidemiology | oral |
| HP1080 | Huang, Chen | Wei Liu, Zhijunzou, Li Shen, Xueyingwang, Jan Sundell | Home environment, dwelling characteristics and pneumonia among Shanghai preschool children: a cross-sectional study | China | A6: Health and indoor air epidemiology | oral |
| HP1102 | Kim, Sunshin | Hyunsoo Lee, Wonho Yang, Kuck-Hyeun Woo, Seong-Yong Yoon, Seokyong Lee, Hogi Ahn, Sungyong Choi | Exposure assessment to hydrofluoric acid by chemical accident in Gumi city, Korea - evacuation or staying at home | Korea South | A6: Health and indoor air epidemiology | oral-poster |
| HP1113 | Shen, Li | Chen Huang, Wei Liu, Zhijun Zou, Xueying Wang, Jan Sundell | Associations of allergic diseases and formaldehyde in bedroom air among preschool children in Shanghai | China | A6: Health and indoor air epidemiology | oral |
| HP1128 | Shih, Han-Yu | Nai-Yun Hsu, Hsin-Wen Chang, Pei-Yu Chen, Pamela-Joy Wei, Huey-Jen Su | The profile of children's respiratory symptoms before and after the flooding event | Taiwan | A6: Health and indoor air epidemiology | oral |
| HP1133 | Kim, Jinman | In-Sick Nam, Hyun-Jun Yun, Jinho Yang, Hyeon-Ju Oh, Jong-Ryeul Sohn | The associated with allergy disease of children and concentration of bacteria in the daycare centers | Korea South | A6: Health and indoor air epidemiology | oral-poster |
| HP1217 | Hägerhed-Engman, Linda | Malin Knutz, Huan Shu, Carl-Gustaf Bornehag | Early life exposure of self-reported mold odor is associated with asthma in children 10 years later | Sweden | A6: Health and indoor air epidemiology | oral |
| HP1225 | Lee, Seokyong | Byungjun Lee, Hyunsoo Lee, Jung Heo, Sunshin Kim, Wonho Yang, Jungkwan Seo, Hyojung Yoon | Exposure factors of Korean children - focusing on time-activity pattern and inhalation rate | Korea South | A6: Health and indoor air epidemiology | oral-poster |
| HP1230 | Chen, Nai-Tzu | Hsiu-Hao Liang, Yi-Ho Li, Huey-Jen Su | Associations of total and culturable fungi indoors with 8-OHdG, allostatic load score, and SBS | Taiwan | A6: Health and indoor air epidemiology | oral-poster |
| HP1255 | Mahera, Shaily | Sanyogita Manu | Impact of moisture migration properties of wall assemblies on occupant health in free-running buildings | India | A6: Health and indoor air epidemiology | oral-poster |

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| HP1310 | Grimes, Carl | Kevin Kennedy | "Dampness" definition and research questions advanced by practitioner input | United States of America | A6: Health and indoor air epidemiology | oral |
| HP1365 | Chuang, Hsiao Chi | Hua Wei Chen, Chih Ming Ma, Kai Jen Chuang | Effects of subway particles on cardiovascular health among commuters in Taipei, Taiwan | Taiwan | A6: Health and indoor air epidemiology | oral |
| HP1370 | Terschüren, Claudia | Odile C.L. Mekel, Nadine Steckling, Reinhard Samson, Myriam Tobollik, Claudia Hornberg | Environmental burden of disease due to second-hand smoke in Germany: results of the VegAS project | Germany | A6: Health and indoor air epidemiology | oral |
| HP1379 | Dannemiller, Karen | Mark J. Mendell, Asa Bradman, Brenda Eskenazi, Janneane F. Gent, Brian P. Leaderer, Jordan Peccia | Next generation DNA sequencing of indoor fungi to determine associations between fungal communities and asthma development and severity | United States of America | A6: Health and indoor air epidemiology | oral |
| HP1411 | Mendell, Mark | Janet M. Macher, Wenhao Chen, Kazukiyo Kumagai | Indoor Dampness and Mold as Indicators of respiratory health risks, Part 1: developing evidence to support public health policy on dampness and mold | United States of America | A6: Health and indoor air epidemiology | oral |

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| HP0018 | Luo, Maohui | Bin Cao, Min Li, Qin Ouyang, Yingxin Zhu | Residential space heating: individual or centralized? A field study on indoor thermal comfort in Beijing. | China | A7: Thermal comfort | oral |
| HP0028 | Schiavon, Stefano | Tom Webster, Darryl Dickerhoff, Fred Bauman | Stratification prediction model for perimeter zone ufad diffusers based on laboratory testing with solar simulator | United States of America | A7: Thermal comfort | oral |
| HP0029 | Luo, Maohui | Juan Yu, Qin Ouyang, Yingxin Zhu | Application of dynamic airflow to split air-conditioning and its impacts on human thermal response | China | A7: Thermal comfort | oral |
| HP0035 | Kabanshi, Alan | Marijke Keus, Hans Wigö, Robert Ljung, Patrik Sörqvist | The effect of heat stress on writing and simple arithmetic performance | Sweden | A7: Thermal comfort | oral-poster |
| HP0048 | Schiavon, Stefano | Donghyun Rim, Wilmer Pasut, William W. Nazaroff | Sensation of draft at ankles for displacement ventilation and underfloor air distribution systems | United States of America | A7: Thermal comfort | oral |
| HP0083 | Yu, Juan | Angela Simone, Gabriele Levorato, Yingxin Zhu, Bjarne W. Olesen | Offset of warm sensation by local air flow: Chinese and Danish preference | China | A7: Thermal comfort | oral-poster |
| HP0113 | Honnekeri, Anoop | Margaret C. Pigman, Hui Zhang, Edward Arens, Marc Fountain, Yongchao Zhai, Spencer Dutton | Use of adaptive actions and thermal comfort in a naturally ventilated office | United States of America | A7: Thermal comfort | oral |
| HP0114 | Yang, Rui | Xiang Zhou, Xu Zhang | Field study of interaction effect of sound and vibration on human thermal comfort in bus | China | A7: Thermal comfort | oral |
| HP0140 | Chang, Shih-Yin | Chen-Peng Chen | Subjective perception and theroregulation in response to solar radiation and thermal transient developed from loss of solar radiant heat | Taiwan | A7: Thermal comfort | oral |
| HP0157 | Chen, Chen-Peng | Shun-Hua Ho, Hui-Chen Wei, Yi-Chun Lin | Change in thermal sensation and thermal comfort as a result of using n95 filtering facepiece respirators under influence of temperature | Taiwan | A7: Thermal comfort | oral |
| HP0162 | Chen, Fujiang | Jinliang Wang, Jianfang Chen, Li Tao, Qiang Guo, Weidong Sun, Pengcheng Zhao | Numerical simulation on air dispersion of fabric air distribution system in slot-penetration mode | China | A7: Thermal comfort | oral |
| HP0186 | Karimipanah, Taghi | Ulf Larsson, Mathias Cehlin | Investigation of flow pattern for a confluent-jets system on a workbench of an industrial space | Sweden | A7: Thermal comfort | oral |
| HP0225 | Nagano, Kazuo | Chisato Kani, Tetsumi Horikoshi | Climate atlas of Japan by the universal effective temperature ETU | Japan | A7: Thermal comfort | oral-poster |
| HP0235 | Bryn, Ida | Søren Gedsø, Arnkell Petersen | Facade thermal comfort documentation and performance criteria | Norway | A7: Thermal comfort | oral-poster |
| HP0237 | Wu, Yu-Chi | Ardeshir Mahdavi | Subjective evaluation of thermal sensation and comfort subsequent to spatial transitions | Austria | A7: Thermal comfort | oral |
| HP0277 | Kindangen, Jeffrey | Judy O. Waani, Amanda S. Sembel, Linda Tondobala | Investigation of thermal comfort in a passive and low energy classroom building. From gender's point of view | Indonesia | A7: Thermal comfort | oral-poster |
| HP0278 | Zhai, Yongchao | Yufeng Zhang, Qinglin Meng, Huimei Chen, Jinyong Wang | Gender differences in thermal comfort in a hot-humid climate | United States of America | A7: Thermal comfort | oral-poster |
| HP0290 | Li, Min | Bin Cao, Jérôme Damiens, Yingxin Zhu | Indoor thermal comfort in a mix mode office building in Shenzhen for a long time | China | A7: Thermal comfort | oral |
| HP0291 | Cheong, Kok Wai David | Xin Yi Ng | Thermal comfort of sleeping human subject in the tropics: a pilot study | Singapore | A7: Thermal comfort | oral |

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| HP0353 | Ishii, Jin | Shinichi Watanabe | Field survey on thermal environment in toilet in Japanese house during summer | Japan | A7: Thermal comfort | oral-poster |
| HP0370 | Wu, Mingyang | Xiaohua Liu, Kang Zhao, Yuwei Zheng | Testing and comparative analysis on indoor thermal environments in the large space building of airport | China | A7: Thermal comfort | oral |
| HP0375 | Lipczynska, Aleksandra | Jan Kaczmarczyk, Arsen K. Melikov | Performance of radiant cooling ceiling combined with personalized ventilation in an office room: identification of thermal conditions | Denmark | A7: Thermal comfort | oral |
| HP0390 | Wang, Xin | Chen Huang, Ping Lu | Comparison of indoor thermal environment with two kinds of air distributions in a large space in summer | China | A7: Thermal comfort | oral-poster |
| HP0414 | Jin, Quan | Lin Duanmu | Thermal sensation and skin temperature during step-change in non-uniform indoor environment | Finland | A7: Thermal comfort | oral |
| HP0415 | Tsuzuki, Kazuyo | Naomi Morito, Hajime Nishimiya | Effects of airflow from air conditioners on human thermoregulation during sleep | Japan | A7: Thermal comfort | oral |
| HP0418 | Gauthier, Stephanie | David T. Shipworth | Generating empirical probabilities of metabolic rate and clothing insulation values in field studies using wearable sensors | United Kingdom | A7: Thermal comfort | oral |
| HP0442 | Xia, Qian | Xiaoping Niu, Jianlei Niu, Kenny C.S. Kwok | Effects of building lift-up design on pedestrian gust wind environment | Hong Kong | A7: Thermal comfort | oral |
| HP0456 | Sui, Xuemin | Xu Zhang | Drawing of new thermal comfort charts for radiant cooled residential buildings | China | A7: Thermal comfort | oral-poster |
| HP0470 | Sakoi, Tomonori | Naoto Tominaga, Arsen K Melikov, Sona Kolencikova | Cooling clothing utilizing water evaporation | Japan | A7: Thermal comfort | oral |
| HP0471 | Sakoi, Tomonori | Arsen K. Melikov, Sona Kolencikova, Naoto Tominaga | Improvement of thermal comfort by cooling clothing in warm climate | Japan | A7: Thermal comfort | oral |
| HP0472 | Sakoi, Tomonori | Tohru Mochida, Yoshihito Kurazumi, Kazuyo Tsuzuki, Ryoza Ooka | Modification of standard effective temperature for the evaluation of activity intensity | Japan | A7: Thermal comfort | oral |
| HP0473 | Cao, Bin | Min Li, Gang Liu, Yingxin Zhu | Thermal comfort in an open space of an office building: a field study in subtropical region | China | A7: Thermal comfort | oral |
| HP0493 | Fišer, Jan | | Impact of variance of clothing thermal resistance on comfort zone diagram modification | Czech Republic | A7: Thermal comfort | oral-poster |
| HP0513 | Bolineni, Sandeep | Sebastian Stratbücker, Christoph Van Treeck | Indoor flow response modelling of convective heat transfer coefficients on human manikin | Germany | A7: Thermal comfort | oral |
| HP0515 | Bolineni, Sandeep | Sebastian Stratbücker, Soheil Ziaee, Christoph Van Treeck | Coupling strategy for transient simulation of human thermoregulation and CFD indoor airflow models | Germany | A7: Thermal comfort | oral |
| HP0528 | Liu, Hongmin | Linqiang Zhao, Liuyang Du | Optimization and analysis of predicted mean vote based on Bayesian regular algorithm | China | A7: Thermal comfort | oral-poster |
| HP0555 | Bugáň, Jozef | Dušan Petráš | Experimental measurements of thermal comfort in two office buildings with low temperature heating and high temperature cooling systems | Slovakia | A7: Thermal comfort | oral-poster |

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| HP0584 | Zhao, Mingjie | Yang-Seon Kim, Shi Shu, Jelena Srebric | Thermal comfort investigation in supermarkets and grocery stores based on in-situ measurements and a survey study | United States of America | A7: Thermal comfort | oral |
| HP0586 | Lee, Meng-Chieh | Ling-Tim Wong, Kok-Wei Mui, Chia-Feng Chang, Wai-Hou Lam | Energy conservation between natural ventilated and air-conditioned classroom in Taiwan | Taiwan | A7: Thermal comfort | oral |
| HP0588 | Yang, Bin | Stefano Schiavon, Chandra Sekhar, Kok Wai Cheong, Kwok Wai Tham, William Nazaroff | Performance evaluation of an energy efficient stand fan | Singapore | A7: Thermal comfort | oral |
| HP0592 | Kato, Shun | Shin-Ichi Tanabe, Daiki Kawamata, Ken Unno, Junta Nakano, Kiyoshi Sakamoto, Shiro Kase, Hiroshi Oishi, Akihisa Takahashi | Evaluation of natural ventilation performance and thermal comfort in railway station | Japan | A7: Thermal comfort | oral |
| HP0594 | Lung, Shih-Chun | Shu-Chuan Hu, Su-Hao Tu, Pei-Shan Liao | Indoor thermal comfort of Taiwanese from a large-scale survey | Taiwan | A7: Thermal comfort | oral-poster |
| HP0601 | Vorre, Mette | Rasmus L. Jensen | Does variation in clothing make us more thermally comfortable? | Denmark | A7: Thermal comfort | oral |
| HP0604 | Hirose, Ayaka | Hiroataka Kubo, Manami Shinohara, Shin-Ichi Kagiya, Noboru Oohira, Yuki Shimanuki, Shin-Ichi Tanabe | Effects of unsteady thermal stimulus from contact surface on thermal comfort | Japan | A7: Thermal comfort | oral |
| HP0631 | Hellwig, Runa | Sabine Brasche, Hansjürgen Gebhardt, Gunnar Grün, Kersten Bux, Wolfgang Bischof | Considering training effects in performance tests – the case of the D2-attention test | Germany | A7: Thermal comfort | oral |
| HP0637 | Zhou, Y. | K.W. Mui, C.T. Cheung | Use of Indoor Environmental Quality (IEQ) calculator for assessing indoor thermal acceptance in air-conditioned classroom | Hong Kong | A7: Thermal comfort | oral-poster |
| HP0668 | Wang, Zhaojun | Jing Ren, Chengzu Kang, Xuexiang Zhang | Thermal comfort before and at the beginning of heating at office rooms in China severe cold zone | China | A7: Thermal comfort | oral |
| HP0678 | Simone, Angela | Juan Yu, Gabriele Levorato, Bjarne W. Olesen, Yingxin Zhu | Thermal comfort assessment of Danish occupants exposed to warm environments and preferred local air movement | Denmark | A7: Thermal comfort | oral |
| HP0681 | Karlsen, Line | Grigori Grozman, Per Heiselberg, Ida Bryn | Operative temperature and thermal comfort in the sun – implementation and validation of a model for IDA ICE | Norway | A7: Thermal comfort | oral |
| HP0683 | Zhang, Jingsi | Xiang Zhou, Qiqi Zhang, Xiaohu Dai | Impact of Occupant Behaviour on Heating Energy Consumption and Human Thermal Comfort in Residential Buildings | China | A7: Thermal comfort | oral |
| HP0686 | Park, Dong yoon | Seongju Chang | Numerical analysis on the thermal and air exchange performance of linear slot diffuser length variations in an office space | Korea South | A7: Thermal comfort | oral |
| HP0687 | Yumoto, Issei | Shin-Ichi Tanabe | Development of a numerical thermoregulation model that considers the effects of aging | Japan | A7: Thermal Comfort | oral |
| HP0698 | Veselý, Michal | Wim Zeiler | How to quantify thermal sensation and comfort? | Netherlands | A7: Thermal comfort | oral-poster |
| HP0699 | Lee, Juyoun | Changjin Jeong, Jeungchan Lee, Wonseok Oh, Sooyeol Lee, Minhyung Cho, Kyungmo Park | Brain correlates with thermal comfort during whole body cooling by air flow | Korea South | A7: Thermal Comfort | oral |
| HP0726 | Ishii, Yoshiaki | Shin-Ichi Tanabe, Tomoji Kitahara, Fumito Yamagata, Kengo Tatara | Thermal comfort of radiant ceiling panel cooling system installed in an office in Japan | Japan | A7: Thermal comfort | oral |

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| HP0753 | Han, Jieun | Yoorim Choi, Minjung Kim, Yongmin Kim, Chungyoon Chun | Effect of temperature on occupants' anger | Korea South | A7: Thermal comfort | oral-poster |
| HP0763 | Tsutsumi, Hitomi | Mai Fujiwara, Shin-Ichi Tanabe, Satoshi Hori, Yoshio Shimizu, Hiroaki Io, Chieko Hamada, Yasuhiko Tomino | Field measurement on thermal comfort of patients and medical staff in a dialysis room | Japan | A7: Thermal comfort | oral |
| HP0780 | Nathwani, Ashak | | Indoor thermal comfort in commercial buildings versus air conditioning systems | Australia | A7: Thermal comfort | oral |
| HP0809 | Du, Xiuyuan | Baizhan Li, Hong Liu, Yu Yang, Jie Yang | Improvement of different local air exposures on human thermal sensation in neutral-hot environment | China | A7: Thermal comfort | oral |
| HP0822 | Verhaart, Jacob | Michal Veselý, Wim Zeiler | Design of a neck heating system | Netherlands | A7: Thermal comfort | oral |
| HP0828 | Kitazawa, Sachie | Rune Korsholm Andersen, Pawel Wargocki, Jakub Kolarik, Marcel Schweiker | Seasonal differences in human responses to increasing temperatures | Japan | A7: Thermal comfort | oral |
| HP0848 | Veselý, Michal | Wim Zeiler | Fingertip temperature as a control signal for personalized heating | Netherlands | A7: Thermal comfort | oral |
| HP0860 | Qihong, Deng | Jinping Zhao | Heat stroke due to indoor environmental factors: modeling and prediction | China | A7: Thermal comfort | oral-poster |
| HP0881 | Saito, Teruyuki | Satoru Kuno, Saki Ota, Mayumi Mimura | The effect of natural ventilation on physiological and psychological responses to the indoor thermal environment of Japanese housing | Japan | A7: Thermal comfort | oral |
| HP0889 | Zhou, Xin | Hui Zhang, Zhiwei Lian, Li Lan | Predict thermal sensation of Chinese people using a thermophysiological and comfort model | China | A7: Thermal comfort | oral |
| HP0902 | Zuska, Lenka | Michal Kabrhel | New method for evaluation of non-uniform indoor environment | Czech Republic | A7: Thermal comfort | oral-poster |
| HP0915 | Pasut, Wilmer | Hui Zhang, Ed Arens, Yongchao Zhai | Energy-efficient comfort with a heated/cooled chair | United States of America | A7: Thermal comfort | oral |
| HP0933 | Sehizadeh, Ali | Hua Ge | Impact of future climate change on the thermal comfort of Canadian housing retrofitted to the PassiveHaus standard | Canada | A7: Thermal comfort | oral |
| HP0942 | Zhang, Fan | Richard De Dear, Christhina Candido | Thermal comfort during direct load control events in university lecture theatres | Australia | A7: Thermal comfort | oral |
| HP1001 | Li, Xiang | Bin Chen, Joe R. Zhao | An understanding of thermal comfort based on philosophy of harmony between nature and human | China | A7: Thermal comfort | oral |
| HP1002 | Son, Youngjoo | Yoorim Choi, Minjung Kim, Yongmin Kim, Chungyoon Chun | Occupants' stress based on brain waves and salivary alpha-amylase responses on each PMV condition | Korea South | A7: Thermal comfort | oral |
| HP1037 | Parkinson, Thomas | Richard De Dear, Christhina Candido | Experimental study of thermal response to local stimulation: converting local discomfort into thermal pleasure | Australia | A7: Thermal comfort | oral |
| HP1054 | Law, Tim | | Radical methodology: the design and commercialisation nexus in research innovation on personal thermal comfort | Australia | A7: Thermal comfort | oral |

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| HP1074 | Yang, Wei | Nyuk Hien Wong, Junli Zhou | Overcooling and thermal comfort in air conditioned university buildings in Singapore | China | A7: Thermal comfort | oral |
| HP1086 | Van Den Ouweland, Eefke | Wim Zeiler, Yvonne De Kort, Gerarda Nierman, Wim Maassen, Gert Boxem | Perceived comfort in offices; a holistic approach | Netherlands | A7: Thermal comfort | oral |
| HP1089 | Vissers, Derek | Wim Zeiler, Gert Boxem | Wireless determination of skin temperature by an infrared camera compared with i-buttons measurements | Netherlands | A7: Thermal comfort | oral |
| HP1109 | Hamidi, Nafiseh | Dominique Hes | Non-uniform environments - evaluation of personal ventilation performance in an open plan office building in warm and humid climate | Australia | A7: Thermal comfort | oral |
| HP1126 | Kim, Jungsoo | Richard De Dear | The effects of contextual differences on office workers' perception of indoor environment | Australia | A7: Thermal comfort | oral |
| HP1131 | Yang, Liu | Haiyan Yan, Wuxing Zheng, Rui Hu | Residential thermal environment and thermal comfort in a rural area with a hot-arid climate: field study during the summer in Turfan, China | China | A7: Thermal comfort | oral |
| HP1134 | Cui, Weilin | Qin Ouyang, Yingxin Zhu | Effect of air pressure on human thermal sensation and physiological parameters | China | A7: Thermal comfort | oral |
| HP1171 | Zhang, Yufeng | | Design indicators of thermal environments for residential buildings in hot summer and warm winter zone of China | China | A7: Thermal comfort | oral-poster |
| HP1175 | Hong, Xiaowei | Xiaohan Du, Dong Chen, Yufeng Zhang | Thermal comfort survey of homes in Guangzhou | China | A7: Thermal comfort | oral-poster |
| HP1241 | Nakano, Junta | Shin-Ichi Tanabe | Thermal comfort zone of semi-outdoor public spaces | Japan | A7: Thermal comfort | oral |
| HP1281 | Cholewa, Tomasz | Alicja Siuta-Olcha, Marzenna R. Dudzińska | The analysis of thermal comfort in a room with radiant floor with different finishing materials of the floor surface | Poland | A7: Thermal comfort | oral-poster |
| HP1293 | Pustayova, Hana | Dušan Petráš | Thermal comfort in dwelling buildings after refurbishment | Slovakia | A7: Thermal comfort | oral |
| HP1297 | Moga, Ligia | Ioan Moga | Heat loss coefficient influence on the energy performance of buildings | Romania | A7: Thermal comfort | oral |
| HP1414 | Arens, Edward | Li Huang, Tyler Hoyt, Xin Zhou, Hui Zhang, Stefano Schiavon | Modelling the comfort effects of short-wave solar radiation indoors | China | A7: Thermal comfort | oral |
| HP1450 | Kabanshi, Alan | Hans Wigö, Robert Ljung, Patrick Sörqvist | Perception of intermittent air velocities in classrooms | Sweden | A7: Thermal comfort | oral-poster |
| HP1451 | Zhuo, Yanbin | Gang Liu, Chenyi Lin | Indoor thermal comfort and heating temperature setpoint threshold research for office building in Tianjin China | China | A7: Thermal comfort | oral-poster |
| HP0152 | Lan, Li | Zhiwei Lian, Xin Zhou | Effects of moderate air temperature fluctuation on sleep quality and thermal comfort in healthy people | China | A7: Thermal comfort | oral |

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| HP0143 | FöldvÁry, Veronika | Gabriel Bekó, Dušan Petráš | Impact of energy renovation on indoor air quality in multifamily dwellings in Slovakia | Slovakia | A8: IAQ & perceived air quality | oral |
| HP0219 | Du, Liuliu | Tadas Prasauskas, Virpi Leivo, Mari Turunen, Anu Aaltonen, Mihkel Kiviste, Dainius Martuzevicius, Ulla Haverinen-Shaughnessy, The Insulate Project Group | Building energy-efficiency interventions in North-East Europe: effects on indoor environmental quality and public health | Finland | A8: IAQ & perceived air quality | oral |
| HP0275 | Kurita, Hirofumi | Akira Mizuno | Evaluation of oxidative radical reaction in aqueous media injected by discharge devices used in indoor air cleaners | Japan | A8: IAQ & perceived air quality | oral-poster |
| HP0280 | Turunen, Mari | Olyemi Toyinbo, Tuula Putus, Aino Nevalainen, Richard Shaughnessy, Ulla Haverinen-Shaughnessy | Assessment of school level prevalence of symptoms using questionnaire | Finland | A8: IAQ & perceived air quality | oral |
| HP0376 | Lipczynska, Aleksandra | Jan Kaczmarczyk, Arsen K. Melikov | Performance of personalized ventilation combined with chilled ceiling in an office room: inhaled air quality and contaminant distribution | Denmark | A8: IAQ & perceived air quality | oral |
| HP0400 | Fadeyi, Moshood | Kwok W. Tham, Wei Y. Wu, Henry C. Willem | Effect of ozone initiated chemistry on perceptual responses and work performance of tropically acclimatized subjects in a simulated office environment | Singapore | A8: IAQ & perceived air quality | oral |
| HP0500 | Justo Alonso, Maria | Hans Martin Mathisen, Jun Guan, Johan Halvarsson | Case study of window and ventilation renovation and its impact on indoor climate | Norway | A8: IAQ & perceived air quality | oral |
| HP0506 | Strøm-Tejsen, Peter | Pawel Wargocki, David P. Wyon, Anna Kondracka | The effect of air quality on sleep | Denmark | A8: IAQ & perceived air quality | oral |
| HP0575 | Almeida, Susana | Sandra Cabo Verde, João Matos, Carla A. Ramos, Carla Viegas, Tiago Faria | Indoor air quality in hospital environments | Portugal | A8: IAQ & perceived air quality | oral-poster |
| HP0582 | Sacks, Dana | Derek G. Shendell | Case study: ventilation and thermal comfort parameter assessment of a local private gym in a retrofitted industrial building in central NJ | United States of America | A8: IAQ & perceived air quality | oral-poster |
| HP0674 | Chen, Ailu | Qingliang Cao, Victor W.C. Chang | Occurrence of airborne phthalates in different air-conditioned buildings in Singapore | Singapore | A8: IAQ & perceived air quality | oral |
| HP0694 | Hurtíková, Daniela | Dušan Petráš | The energy performance certificate of ventilation and evaluation of indoor air quality in office building in Slovakia | Slovakia | A8: IAQ & perceived air quality | oral-poster |
| HP0796 | Wang, Zhaojun | Rui Tang, Jing Ren | Study on PM2.5 and PM10 in offices in Harbin, China | China | A8: IAQ & perceived air quality | oral |
| HP0831 | Lappalainen, Vuokko | Helena Järnström, Pertti Pasanen | VOC profiles indicating odour IAQ problems in dwellings | Finland | A8: IAQ & perceived air quality | oral-poster |
| HP0838 | Koskela, Hannu | Henna Maula, Annu Haapakangas, Viivi Moberg, Valtteri Hongisto | Effect of low ventilation rate on office work performance and perception of air quality - a laboratory study | Finland | A8: IAQ & perceived air quality | oral |

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| HP0893 | Pagel, Érica | José Laerte Boechat, Marília Martins Nishikawa, Cristina Engel De Alvarez, Neyval C. Reis Júnior, Jane M. Santos | Indoor air exposure to fungi at the Brazilian Antarctic Station | Brazil | A8: IAQ & perceived air quality | oral-poster |
| HP0970 | Bamba, Ikuko | Kenichi Azuma | Relation of changes in cerebral blood flow and diffusion material caused by smelling wood | Japan | A8: IAQ & perceived air quality | oral-poster |
| HP0994 | Nakaoka, Hiroko | Hiroshi Seto, Emiko Todaka, Masamichi Hanazato, Michiko Shimoda, Chisato Mori | Aging variation in indoor air quality at experimental sites in Chemiless Town | Japan | A8: IAQ & perceived air quality | oral |
| HP1005 | Plesner, Christoffer | Karsten Duer | Evaluation of the indoor air quality in a single family Active house | Denmark | A8: IAQ & perceived air quality | oral |
| HP1055 | Lin, Zhijing | Tingting Wang, Dan Norback, Haidong Kan, Jinzhuo Zhao, Weimin Song, Hongwei Guo, Zhuohui Zhao | Sick building syndrome, perceived odors, sensation of air dryness and indoor environment in Urumqi, China | China | A8: IAQ & perceived air quality | oral |
| HP1073 | Höllbacher, Eva | Cornelia Rieder-Gradinger, Daniel Stratev, Ewald Srebotnik | Influence of VOC emissions from wood and wood-based materials on indoor air quality | Austria | A8: IAQ & perceived air quality | oral |
| HP1079 | Brosig, Laura | Wolfgang Horn, Lars Pyza, Oliver Jann | Applicability: odour Measurement based on ISO 16000-28 - enhanced determination of indoor air quality | Germany | A8: IAQ & perceived air quality | oral-poster |
| HP1197 | Luther, Mark | Peter Horan, Steven E. Atkinson | Examining CO2 levels in school classrooms | Australia | A8: IAQ & perceived air quality | oral |
| HP1323 | Lopušniak, Martin | Dušan Katunský, Anna Vašková | Effect of air distribution systems on CO2 concentration | Slovakia | A8: IAQ & perceived air quality | oral-poster |

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| HP0251 | Toftum, Jørn | Kristine Hillig, Søren Peter Lund, Per M. Nielsen, Jesper Kristiansen | Association between noise levels and CO2 concentrations in classrooms | Denmark | A9: Indoor air acoustics and lighting | oral |
| HP0476 | Sun, Chanjuan | Zhiwei Lian | The effect of lighting conditions on visual comfort | China | A9: Indoor air acoustics and lighting | oral |
| HP0682 | Liao, Huey-Yan | Ruey-Lung Hwang, Wen-Mei Shih, Chen-Peng Chen | Indoor environmental quality in green buildings under energy-efficient power management | Taiwan | A9: Indoor air acoustics and lighting | oral-poster |
| HP0734 | Iwata, Toshie | Tomoko Taniguchi, Takumi Wakimoto, Ryohei Mase, Tsuyoshi Ito, Daisuke Hirai, Masahiro Sato, Setsuko Yoshino | Change in office lighting from new construction to existing building | Japan | A9: Indoor air acoustics and lighting | oral |
| HP0972 | Fukuda, Miwa | Jun Munakata | What kind of residents' motivations to improve lighting environment leads to energy-saving at home? | Japan | A9: Indoor air acoustics and lighting | oral-poster |
| HP1039 | Taniguchi, Tomoko | Toshie Iwata, Mina Watanbe | Effect of living room led lighting controlled by occupants on circadian rhythm and energy saving | Japan | A9: Indoor air acoustics and lighting | oral |
| HP1245 | Lee, Jeehwan | Jae D. Chang | Influence of vent perforation on the ventilation and acoustical performance of a double skin façade | United States of America | A9: Indoor air acoustics and lighting | oral |

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| HP0062 | Dieudonné, Nanfa | Atogho T. Barbara, Ndonwi E. Ngwa, Fopa L.G. Bertrand | Environmental and health risk associated with the dissemination of Persistent Organic Pollutants (POPs) in Yaounde | Cameroon | A10: Public health and exposure studies | oral |
| HP0106 | Laverge, Jelle | Arnold Janssens | The impact of occluding bedding arrangements on rebreathing and physiological responses to it | Belgium | A10: Public health and exposure studies | oral |
| HP0109 | Kakitsuba, Naoshi | | Effect of morning bright light after awake on morning rise in core temperature | Japan | A10: Public health and exposure studies | oral |
| HP0112 | Ma, Ping | Biao Yan, Yang Xu | Di-iso-nonyl phthalate oral exposure of Kunming mice induces hepatic and renal tissue injury | China | A10: Public health and exposure studies | oral |
| HP0131 | Gall, Elliott | Jin Zhou, Victor Chang, William Nazaroff | Indoor exposure to outdoor pollution in a tropical environment | Singapore | A10: Public health and exposure studies | oral |
| HP0151 | Li, Li | Jinquan Li, Xu Yang | Dermal and oral exposure to dibutyl phthalate induced lung damage in Balb/C mice | China | A10: Public health and exposure studies | oral |
| HP0160 | Du, Zhengjian | Jinhan Mo, Yinping Zhang | Risk assessment of population exposure to volatile organic compounds and carbonyls in urban China | China | A10: Public health and exposure studies | oral |
| HP0178 | Chang, Che-Jung | Shu-Fang Cheng, Shih-Wei Tsai | Indoor air quality in hairdressing salons in Taipei | Taiwan | A10: Public health and exposure studies | oral-poster |
| HP0246 | Zhang, Xiaojing | Pawel Wargocki, Zhiwei Lian | Literature survey on the effects of pure carbon dioxide on health, comfort and performance | China | A10: Public health and exposure studies | oral-poster |
| HP0335 | Zhou, Qi | Naiping Gao, Hua Qian | CFD study on the wind-induced transmission of gaseous pollutants between flats in multistory residential buildings | China | A10: Public health and exposure studies | oral |
| HP0377 | Lee, Jae Young | Jong Bum Kim, Gwang-Jae Lee, Seonghee Ryu, Gwi-Nam Bae | Indoor air quality at home of children with atopic dermatitis and their exposure to traffic-related air pollutants | Korea South | A10: Public health and exposure studies | oral |
| HP0378 | Lendowski, Luba | | "Integration of longterm MRSA carriers in communities" | Germany | A10: Public health and exposure studies | oral |
| HP0384 | Mentese, Sibel | Muserref T. Otkun, Coskun Bakar, Nihal A. Mirici, Sibel Cevizci, Osman Cotuker, Deniz Tasdibi, Elif Palaz | Comparison of exposure to indoor air pollution in different towns of Çanakkale, Turkey | Turkey | A10: Public health and exposure studies | oral |
| HP0441 | Xia, Qian | Xiaoping Liu, Jianlei Niu, K.C.S. Kwok | Effects of building lift-up design on pedestrian pollutant dispersion | Hong Kong | A10: Public health and exposure studies | oral |
| HP0443 | Parker, Kristia | Glenn C. Morrison, Melissa M. Buechlein | New routes of human exposure to methamphetamine from residential meth labs: post-remediation accumulation from air to skin oil | United States of America | A10: Public health and exposure studies | oral |
| HP0530 | Xiong, Jing | Chanjuan Sun, Zhiwei Lian | Investigation of human response to temperature step changes | China | A10: Public health and exposure studies | oral-poster |
| HP0583 | Sacks, Dana | Derek G. Shendell | Case study: particle concentrations at a local private gym dependent on mechanical ventilation in a retrofitted industrial building in central NJ | United States of America | A10: Public health and exposure studies | oral |

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| HP0719 | Che, Wenwei | H. Christopher Frey, Alexis K.H. Lau, Jimmy C.H. Fung | Geographic and seasonal variations in air exchange rate and their impacts on the estimation of children's exposure to ambient PM2.5 | Hong Kong | A10: Public health and exposure studies | oral |
| HP0784 | Hwang, Yunhyung | Kiyoung Lee | Personal exposures to particulate matters in various microenvironments and their contributions in Seoul population | Korea South | A10: Public health and exposure studies | oral-poster |
| HP0820 | Leung, Nancy | James J. Mcdevitt, Kwok-Hung Chan, Hui-Ling Yen, Dennis K.M. Ip, Yuguo Li, Gabriel M. Leung, Joseph S.M. Peiris, Wing-Hong Seto, Donald K. Milton, Benjamin J. Cowling | Reduction of influenza virus shedding in human bioaerosols by surgical face masks | Hong Kong | A10: Public health and exposure studies | oral-poster |
| HP0843 | Qihong, Deng | Chan Lu | Effects of early life exposure to ambient air pollution on asthma among preschool children in China: An industrial environment cannot be overlooked | China | A10: Public health and exposure studies | oral |
| HP0845 | Qihong, Deng | Chan Lu | Increased ambient temperature and risk of preterm birth: hot summer nights cause high risk? | China | A10: Public health and exposure studies | oral |
| HP0885 | Nastase, Ilinca | Cristiana V. Croitoru, Andreea A. Vartires, Mihai Gustiuc, Tiberiu Catalina | Measurement and questionnaires survey of the indoor environment quality in an emergency hospital from Bucharest | Romania | A10: Public health and exposure studies | oral-poster |
| HP0903 | Almeida-Silva, Marina | Tiago Faria, Susana M. Almeida And Hubert T. Wolterbeek | Human exposure to air pollutants: personal cloud phenomenon | Portugal | A10: Public health and exposure studies | oral-poster |
| HP0944 | Duan, Xiaoli | Yong Jiang, Beibei Wang, Xiuge Zhao, Guofeng Shen, Suzhen Cao, Nan Huang, Yan Qian, Yiting Chen, Limin Wang | Household fuel use for cooking and heating in China: results from the first Chinese Environmental Exposure Related Human Activity Patterns Survey (CEERHAPS) | China | A10: Public health and exposure studies | oral |
| HP1034 | Mandin, Corinne | Serena Fossati, Nuno Canha, Andrea Cattaneo, Eric Cornelissen, Otto Hänninen, Yvonne De Kluizenaar, Viktor G. Mihucz, Eduardo De Oliveira Fernandes, Matti Peltonen, Ioannis Sakellaris, Dikaia Saraga, Gabriela Ventura, Rosanna Mabilia, Erica Perreca, Tamás Szigeti, Paolo Carrer, John Bartzis | Indoor air quality in office buildings in Europe: the OFFICAIR Project | France | A10: Public health and exposure studies | oral |
| HP1056 | Logue, Jennifer | Max H. Sherman, Brett C. Singer | A method for quantifying the acute health impacts of residential non-biological exposures via inhalation | United States of America | A10: Public health and exposure studies | oral |
| HP1097 | Dott, Wolfgang | Bülent İzmit, Nicole Nowak, Sabrina Michael | Terpene induced toxic effects in human lung cells | Germany | A10: Public health and exposure studies | oral |
| HP1115 | Wu, Chih-Da | J.G. Cedeño-Laurent, Eileen Mcneely, Gary Adamkiewicz, Francesca Dominici, Shih-Chun Candice Lung, Huey-Jen Su, John D Spengler | Association between surrounding greenness and student performance using remote sensing | Taiwan | A10: Public health and exposure studies | oral |

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| HP1143 | Park, Duckshin | Yong Il Lee, Do Yeon Hwang, Mona Loraine Barabad, Wonseok Jung, Wootae Jeong, Soon-Bark Kwon, Youngmin Cho, Ki-Chul Cho, Kiyoung Lee | Exposure to airborne particulate matter in different types of transportation | Korea South | A10: Public health and exposure studies | oral-poster |
| HP1162 | Huang, Chun-nan | Wei-Lun Lee, Hong-Bin Cho, Chia-Wei Lee | Comparative assessment of children's exposure to formaldehyde in schools, kindergartens and dwellings | Taiwan | A10: Public health and exposure studies | oral-poster |
| HP1181 | Marini, Sara | Patrik Nilsson, Aneta Wierzbicka, Monica Kåredal, Eva Blomgren, Jörn Nielsen, Giorgio Buonanno, Anders Gudmundsson | Airborne exposure of hairdressers during hair bleaching: a human chamber exposure study | Sweden | A10: Public health and exposure studies | oral-poster |
| HP1183 | Gudmundsson, Anders | Maria Albin, Ulla B.K. Andersson, Eva Assarsson, Anna Axmon, Lars Barregård, Margareta Berglund, Mats Bohgard, Karin Broberg, Jonas Brunskog, Inger Hagerman, Bo A.G. Jönsson, Monica Kåredal, Patrik Nilsson, Kai Österberg, Joakim Pagels, Torben Poulsen, Jenny Rissler, Leo Stockfelt, Gerd Sallsten, Yiyi Xu, Aneta Wierzbicka | Health effects of combined exposure to diesel exhaust and traffic noise | Sweden | A10: Public health and exposure studies | oral-poster |
| HP1191 | Wierzbicka, Aneta | Gabriel Bekó, Jørn Toftum, Geo Clausen, Steffen Loft, Dorina Gabriela Karottki, Andreas Massling, Tareq Hussein | A model for estimating particle concentration indoors - based on information from occupants' questionnaires, indoor sources emission factors, outdoor concentration and building characteristics | Sweden | A10: Public health and exposure studies | oral |
| HP1218 | Lin, Chi-Chi | Verónica Beatriz Lima Pappaseit, Hsiao Ying Cheng | Personal exposure to air pollutants at lotus pond during Wannian Folklore Festival | Taiwan | A10: Public health and exposure studies | oral |
| HP1271 | Lindström, Cecilia | Laura Von Kobyltezki, Maria U. Hallerbäck, Christian H. Lindh, Bo A. Jönsson, Malin Knutz, Huan Shu, Carl-Gustaf Bornehag | Perfluorinated compounds in serum from 2,373 pregnant women in Sweden | Sweden | A10: Public health and exposure studies | oral |
| HP1277 | Shu, Huan | Bo A.G. Jönsson, Christian H. Lindh, Malin Knutz, Eewa Nånberg, Åke Svensson, Carl-Gustaf Bornehag | PVC flooring in the home is related to urinary levels of phthalates in Swedish pregnant women in the SELMA Study | Sweden | A10: Public health and exposure studies | oral |
| HP1374 | Bluyssen, Philomena | | How and why do people respond to indoor environmental stressors? | Netherlands | A10: Public health and exposure studies | oral |

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| HP0022 | Havermans, John | Marc M.G. Houtzager | Emission of volatiles from Spray Polyurethane Foam (SPF) insulated crawl spaces | Netherlands | B1: Source of indoor air pollutants | oral-poster |
| HP0102 | Sun, Xiao | Xudong Yang | Experimental study Volatile Organic Compounds (VOCs) in normal human exhaled exhaled breath | China | B1: Source of indoor air pollutants | oral |
| HP0174 | Pu, Zhongnan | Lihui Huang, Weiping Zhao, Yang Yue, Mengyan Gong, Jinhan Mo, Jan Sundell, Yinping Zhang | Comparison of contribution to people health risk from indoor and outdoor carbonyls sources in Beijing, China | China | B1: Source of indoor air pollutants | oral-poster |
| HP0194 | Park, Seonghyun | Sunwoo Lee, Janghoo Seo | Evaluation on inhaled air quality in indoor environment applying sorptive building materials | Korea South | B1: Source of indoor air pollutants | oral-poster |
| HP0201 | Xiang, Jianbang | Jinhan Mo, Yinping Zhang, Mu Li | Dynamic preparation of multi-component volatile organic compounds via microsyringe pump | China | B1: Source of indoor air pollutants | oral |
| HP0223 | Ma, Qiang | Zhenqian Chen, Bo Xu | Lattice Boltzmann simulations for VOCs migration in porous building materials reconstructed by stochastic fractal theory | China | B1: Source of indoor air pollutants | oral |
| HP0248 | Zhang, Qin | Xiao Sun, Xudong Yang, Jan Sundell | A pilot study of volatile organic compounds emitted by the whole body, exclusive of exhaled breath | China | B1: Source of indoor air pollutants | oral |
| HP0267 | Cheng, Min | Ian E. Galbally, Suzie B. Molloy, Paul W. Selleck, Melita D. Keywood, Sarah J. Lawson, Jennifer C. Powell, Rob Gillett | Volatile organic compounds in dwellings within the temperate climate zone | Australia | B1: Source of indoor air pollutants | oral-poster |
| HP0276 | Lin, Chi-Chi | Shu-Chen Hsu | Carbonyls and BTEX emissions from selected building materials | Taiwan | B1: Source of indoor air pollutants | oral |
| HP0333 | Wang, Chao | Xudong Yang, Jun Guan, Kai Gao, Zheng Li | Source apportionment of volatile organic compounds in aircraft cabin | China | B1: Source of indoor air pollutants | oral |
| HP0412 | Melymuk, Lisa | Pernilla Bohlin, Šimon Vojta, Martina Krátká, Jana Klánová | Distribution of legacy and emerging semi-volatile organic contaminants in a residential environment | Czech Republic | B1: Source of indoor air pollutants | oral |
| HP0475 | Zaitseva, Nina | Irina May, Nadezhda Kriulina | Simulation and instrumental examination of indoor air for formaldehyde, styrene and ethylbenzene, migrating from building and home decoration materials in the presence of combined use | Russia | B1: Source of Indoor air pollutants | oral |
| HP0487 | Plaisance, Herve | Alodie Blondel, Valerie Desauziers, Pierre Mocho | An original method using a passive flux sampler to characterize the gas-phase boundary layer on the surface of indoor materials | France | B1: Source of indoor air pollutants | oral |
| HP0499 | Jian, Yating | Jun Gao, Cao Changsheng, Weimin Xiao, Xinzhong Lai, Yanlin Gao | Emission of particle-bound polycyclic aromatic hydrocarbons during Chinese cooking in a kitchen chamber | China | B1: Source of indoor air pollutants | oral |
| HP0510 | Qi, Meiwei | Xiaofeng Li, Louise B. Weschler, Jan Sundell | CO2 generation rate in Chinese people | China | B1: Source of indoor air pollutants | oral |
| HP0520 | Liang, Yirui | Ying Xu | An improved method for measuring and characterizing phthalate emissions from building materials and its application to exposure assessment | United States of America | B1: Source of indoor air pollutants | oral |
| HP0531 | Kim, Hyun-tae | Shin-Ichi Tanabe, Hirokazu Hatano | The concentration of phthalate in settled dust in kindergartens and emission source | Japan | B1: Source of indoor air pollutants | oral |

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| HP0617 | Andersen, Helle | Helene B. Klinke, Lis W. Funch, Lars Gunnarsen | Emission of formaldehyde from furniture: assessment of its impact on indoor air quality | Denmark | B1: Source of indoor air pollutants | oral |
| HP0625 | Boor, Brandon | Yirui Liang, Neil E. Crain, Helena Järnström, Atila Novoselac, Ying Xu | New and used crib mattresses as a source of volatile organic compounds, phthalate and alternative plasticizers, and other chemical species in the infant sleep microenvironment | United States of America | B1: Source of indoor air pollutants | oral |
| HP0650 | Xiu, Guangli | Xin Wu, Lina Wang, Fangfang Wang, Yuankai Zhang, Bizheng Yu, Zhangyuanhui Wang, Yuanxiang Chen, Fangyuan Xu, Laiming Wu | Investigation of particulate matter in a museum in Shanghai, China | China | B1: Source of indoor air pollutants | oral |
| HP0675 | Chen, Ailu | Victor W.C. Chang | Correlations between indoor particle and phthalate concentrations | Singapore | B1: Source of indoor air pollutants | oral |
| HP0677 | Chen, Cheng chen | Kun Chih Huang, Ching Chang Lee | A comparison of the reduction Efficiency of indoor formaldehyde and VOCs concentration by using ventilation removal and SBMs | Taiwan | B1: Source of indoor air pollutants | oral |
| HP0832 | Faure, Eddie | Loïc Paillat, Guénaél Thiault, Ghislaine Goupil, Laurence Durupt, Claudie Delaunay | Nail bar impact on indoor air quality | France | B1: Source of indoor air pollutants | oral-poster |
| HP0909 | Almeida-Silva, Marina | Tiago Faria, Dikaia Saraga, Thomas Maggos, Hubert T. Wolterbeek , Susana M. Almeida | Source apportionment of indoor PM10 in elderly care center | Portugal | B1: Source of indoor air pollutants | oral |
| HP0973 | Kujanpää, Liisa | Sirpa Rautiala, Helmi Kokotti, Marjut Reiman | Indoor air quality in offices adjacent to industrial halls | Finland | B1: Source of indoor air pollutants | oral-poster |
| HP0981 | Rackes, Adams | Tom Ben-David, Michael S. Waring | Statistical models of whole-building volatile organic compound emission rates in U.S. offices | United States of America | B1: Source of indoor air pollutants | oral |
| HP1012 | Persily, Andrew | Steven Emmerich, Yanling Wang, Brian Polidoro | Simulation study of carbon monoxide exposure from portable generators in U.S. residences | United States of America | B1: Source of indoor air pollutants | oral |
| HP1036 | Sleiman, Mohamad | Jennifer M. Logue, James F. Pankow, Lara A. Gundel, Hugo Destaillats | Chemical characterization and health impact assessment of VOCs and particles in thirdhand tobacco smoke | United States of America | B1: Source of indoor air pollutants | oral |
| HP1083 | Isaxon, Christina | Anders Gudmundsson, Erik Nordin, Leif Lönnblad, Andreas Dahl, Gunilla Wieslander, Mats Bohgard, Aneta Wierzbicka | Contribution of indoor generated submicrometer particles to residential exposure | Sweden | B1: Source of indoor air pollutants | oral |
| HP1111 | Morawska, Lidia | Mandana Mazaheri, Samuel Clifford, Farhad Salimi, Rusdin Laiman, Leigh R. Crilley | Indoor air pollution sources and exposures in primary schools: UPTECH Synthesis | Australia | B1: Source of indoor air pollutants | oral |
| HP1139 | Lee, Jeong-Hun | Jungki Seo, Sumin Kim | Development of environment-friendly furnishing materials using tannin resin | Korea South | B1: Source of indoor air pollutants | oral |
| HP1147 | Lorentzen, Johnny | Maria Nilsson, Gunnar Johanson | Chloroanisoles represent a common indoor air quality problem in Sweden - sensitive methods to detect the malodorous chemicals in air and materials | Sweden | B1: Source of indoor air pollutants | oral-poster |
| HP1148 | El-Bagir, Sohair | Godwin A. Ayoko, Serge Kokot | Multi-criteria ranking of house dust samples from residential dwellings | Australia | B1: Source of indoor air pollutants | oral |

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| HP1208 | Lee, Wei-Lun | Hong-Bin Cho, Jung-Tang Fang, Hsin-Hung Shih, Chia-Wei Lee | Phthalates in Indoor dust and outdoor soil in the vicinity of a petrochemical industrial complex in Southern Taiwan | Taiwan | B1: Source of indoor air pollutants | oral-poster |
| HP1221 | Lazarov, Borislav | Marianne Stranger, Frederick Maes, Eddy Goelen, Adrian Covaci | Flame retardant emission testing from treated products | Belgium | B1: Source of indoor air pollutants | oral-poster |
| HP1236 | Hofbauer, Wolfgang | Nicole Krueger, Florian Mayer, Klaus Breuer | Isopleth systems of insulation materials | Germany | B1: Source of indoor air pollutants | oral |
| HP1237 | Hofbauer, Wolfgang | Nicole Krueger, Anna Renzl, Florian Mayer, Klaus Sedlbauer, Klaus Breuer | Towards a better understanding of wood decay | Germany | B1: Source of indoor air pollutants | oral |
| HP1295 | Tian, Yilin | Andrea. R. Ferro | Resuspension of submicron particles due to human walking | United States of America | B1: Source of indoor air pollutants | oral |
| HP1313 | Xu, Bo | Zhenqian Chen, Qiang Ma | Effect of high-voltage electric field on formaldehyde diffusion within building materials | China | B1: Source of Indoor air pollutants | oral |
| HP1332 | Stranger, Marianne | John Bartzis, Peder Wolkoff, George Efthimiou, Evangelos Tolis, Frederick Maes, Asger Norgaard, Gabriela Ventura, Krystallia Kalimerii, Eddy Goelen, Eduardo De Oliveira Fernandes | Consumer product emission testing in EPHECT | Belgium | B1: Source of indoor air pollutants | oral |
| HP1333 | Mason, Mark | Ken Krebs, Mark Barnes, Dale Greenwell, Xiaoyu Liu, Charles Bevington, Carol Hetfield, Katherine Sleasman, Nancy Roache, Gary Folk, Gunnar Skarping, Marianne Dalene, Daniel Karlsson | Development of test systems for characterizing emissions from Spray Polyurethane Foam Insulation (SPFI) products | United States of America | B1: Source of indoor air pollutants | oral |
| HP1355 | Langeland, Majbrith | Projectdirector, Rune Ø. Haven, Projectmanager | National investigation of PCB sources as an indoor pollutant in domestic houses, offices, institutions, storage spaces and workshops | Denmark | B1: Source of indoor air pollutants | oral-poster |

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| HP0079 | Wang, Jinliang | Tin-Tai Chow, Fujiang Chen, Shuli Wang, Qiang Guo, Jianfang Chen, Li Tao, Wei Ji | Dynamic investigation on bacteria-carrying particles distribution in operating theatre under the walking impact of a scrub nurse | China | B2: Particles | oral |
| HP0190 | Huang, Lihui | Weiping Zhao, Mu Li, Zhongnan Pu, Jan Sundell, Yinping Zhang | Relationship between indoor and outdoor PM2.5 for residential buildings in Beijing, China | China | B2: Particles | oral |
| HP0305 | Liaud, Céline | Maurice Millet, Thierry Dintzer, Valérie Tschamber, Gwénaëlle Trouve, Stéphane L.E. Calvé | Development of a 3-stage cascade impactor sampling method to measure particle-bound PAHs in indoor air | France | B2: Particles | oral |
| HP0325 | Offermann, Francis | Aaron Eagan, Aidan C. Offermann, Lewis J. Radonovich | Infectious disease aerosol exposures with and without surge control ventilation system modifications | United States of America | B2: Particles | oral |
| HP0326 | Apostoloski, Zoran | Silvia Vilcekova | Indoor concentrations of particulate matters at domestic homes | Macedonia | B2: Particles | oral-poster |
| HP0340 | Jiang, Yu | Lin Lu, Ke Sun | Study of different self-cleaning technologies in reducing particle deposition under dry environment | Hong Kong | B2: Particles | oral |
| HP0349 | Ji, Wenjing | Bin Zhao | Comparison of contribution of outdoor particles between indoor sources to indoor PM2.5 concentration and associated exposure: a preliminary modeling study | China | B2: Particles | oral |
| HP0368 | Arpino, Fausto | Giorgio Buonanno, Gino Cortellessa, Aldo Russi, Mauro Scungio, Paolo Vigo | Numerical assessment of human particle exposure from cooking activities | Italy | B2: Particles | oral |
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| HP0624 | Sul, Kyung | Yilin Tian, Goodarz Ahmadi, Andrea R. Ferro | Effects of human walking factors on particle resuspension fraction | United States of America | B2: Particles | oral-poster |
| HP0627 | Boor, Brandon | Joonas Koivisto, Kaarle Hämeri, Atila Novoselac, Ying Xu | Infant crawling-induced resuspension of settled floor dust | United States of America | B2: Particles | oral |
| HP0653 | Cui, Mingyu | J.S. Park | Deposition and resuspension of particles on supply air duct in mechanically ventilated residential buildings | Korea South | B2: Particles | oral-poster |
| HP0657 | Seo, Chung-Kook | Byung-Duk Seo, Jun-Seok Park | A field study on particle resuspension from supply air duct in mechanically ventilated residential buildings | Korea South | B2: Particles | oral-poster |
| HP0684 | Zhang, Jinping | Angui Li, Desheng Li, Jianong Li | Study on polydisperse particle deposition in a wind tunnel | China | B2: Particles | oral-poster |
| HP0803 | Mercier, Fabien | Erwann Gilles, Gaëlle Raffy, Philippe Glorennec, Corinne Mandin, Barbara L.E. Bot | A multi-residue method for the simultaneous analysis of several classes of semi-volatile organic compounds in airborne particles | France | B2: Particles | oral |
| HP0812 | Din, Shamzani Affendy Mohd | Nik Nurul-Hidayah Nik Yahya, Alias Abdullah | Sustainable hospital for urban residents | Malaysia | B2: Particles | oral-poster |
| HP0863 | Merzsch, Stephan | utomo S. Wasisto, Ina Kirsch, Erwin Peiner, Erik Uhde | An integrated personal monitor for engineered nanoparticles | Germany | B2: Particles | oral-poster |

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| HP0892 | Almand-Hunter, Berkeley | Joanna Gordon, Nick Masson, Michael P. Hannigan, Shelly L. Miller | Dust exposure in indoor climbing facilities | United States of America | B2: Particles | oral-poster |
| HP0905 | Polednik, Bernard | Marzenna Dudzińska, Izabela Bilka | Particle concentration changes during masses in a church | Poland | B2: Particles | oral-poster |
| HP0940 | Zou, Zhijun | Chen Huang, Hao Li, Jiao Cai, Xin Wang | Experimental study for the effect of building air tightness on indoor particle concentration | China | B2: Particles | oral |
| HP0945 | Shi, Shanshan | Shanshan Shi, Bin Zhao | Deposition velocity of fine and ultrafine particles onto manikin surfaces in different air speed indoor environments | China | B2: Particles | oral-poster |
| HP0951 | Orch, Zeineb | Michael Waring, Brent Stephens | Predictions and determinants of size-resolved particle infiltration factors in single-family homes in the U.S. | United States of America | B2: Particles | oral |
| HP1045 | He, Congrong | Luke D. Knibbs, Quang Tran, Hao Wang, Lidia Morawska | Indoor particle sources and spatial variation of particle concentration in a correctional centre | Australia | B2: Particles | oral |
| HP1059 | Jung, Chien-Cheng | Ching-Chang Lee, Chia-Wei Lee, Huey-Jen Su | Sources, elemental composition and health risks of fine particle in office spaces | Taiwan | B2: Particles | oral-poster |
| HP1064 | Canha, Nuno | Susana M. Almeida, Maria C. Freitas, Hubert T. Wolterbeek | Indoor particles in scholar environments by passive deposition methodology: applicability and source apportionment | Portugal | B2: Particles | oral |
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| HP1141 | Park, Duckshin | Mona Loraine Barabad, Yong Il Lee, Wonseok Jung, Wootae Jeong, Soon-Bark Kwon, Youngmin Cho | Particulate matters levels in subway | Korea South | B2: Particles | oral |
| HP1167 | Hwang, Do Yeon | Duck-Shin Park, Mona Loraine M. Barabad, Shin D.O. Kim | Component analysis of nano particles in subway tunnels | Korea South | B2: Particles | oral-poster |
| HP1224 | Chernyi, Konstantin | | A methodology for corona air ionizer usage when conducting correction of indoor air ion composition | Russia | B2: Particles | oral |
| HP1238 | Fan, Li | Song Pan, Jiaping Liu, Jingchao Xie, Jinshun Wu, Zuo Chen, Xinru Wang | Variation law of PM2.5 in subway station of northern area in China | China | B2: Particles | oral |
| HP1267 | Spilak, Michal | Marie Frederiksen, Barbara Kolarik, Lars Gunnarsen | Evaluation of contribution of human activities indoors to total concentration of UFP indoors | Denmark | B2: Particles | oral |
| HP1301 | Da, Guillaume | Evelyne Gehin, Benoit Bonnet, Stéphane Delaby, Sébastien Ritoux, Thi-Lan Ha, Enric Robine | A multi-scale experimental approach for studying emission, transport, and deposition of respiratory droplets in indoor environments | France | B2: Particles | oral |
| HP1387 | Hu, Shih-Cheng | Ivy Shiue, Angus Shiue, Yu-Min Hsu, Yi-Sung Ke | Validation of leak test models for pharmaceutical isolators | Taiwan | B2: Particles | oral |
| HP1391 | Li, Xiangdong | Yihuan Yan, Jiyuan Tu | Comparison of the Eulerian-Eulerian and Eulerian-Lagrangian models for simulating particulate contaminant transport in indoor spaces | Australia | B2: Particles | oral |

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| HP0050 | Chang, Chia-Wen | Chen-Yi Lin, Yi-Hsing Lin, Hsin-Ta Hsueh, Hsin Chu | Ce, S Co-doped TiO ₂ for photocatalyst degradation of dimethyl sulfide under visible light: parameters study | Taiwan | B3: Control of indoor environment | oral-poster |
| HP0058 | Zhang, Xianping | Xinli Wei, Xiaoge Chen, Huan Ma, Huanlin Duan | Assessment of boiler and heat pump using R744 based natural mixture as working fluid | China | B3: Control of indoor environment | oral-poster |
| HP0075 | Markowicz, Pawel | Lennart Larsson | Improving the indoor air quality in a school building by using a surface emissions trap | Sweden | B3: Control of indoor environment | oral-poster |
| HP0099 | Yeh, Yu-Chun | Yaw-Shyan Tsay | Moisture-buffering assessment of materials applied in a residential unit in Taiwan by using the mold germination graph method | Taiwan | B3: Control of indoor environment | oral-poster |
| HP0120 | Xu, Yao | Xiaosong Zhang, Qing Cheng | A novel air dehumidification method using electro dialysis | China | B3: Control of indoor environment | oral |
| HP0137 | Cheng, Rui | John Little, Wenjuan Wei, Yinping Zhang | Simultaneous and effective control of indoor climate and air quality: framework and preliminary evaluation | China | B3: Control of indoor environment | oral |
| HP0213 | Luo, Xilian | Xiangzhao Meng, Tianyu Li, Zhaolin Gu | Measurement and evaluation of a local environmental control system for relics preservation in archaeology museum | China | B3: Control of indoor environment | oral |
| HP0214 | Wang, Xiaoliang | Lei He, Bo Lei, Haiquan Bi | A prediction method for the indoor air relative humidity of the room with constant temperature and humidity based on the heat balance | China | B3: Control of indoor environment | oral |
| HP0234 | Cheng, Yong | Zhang Lin, Weiqin Wu, Ting Yao | Performance evaluation of stratum ventilation with slot diffuser using CFD | Hong Kong | B3: Control of indoor environment | oral |
| HP0271 | Wang, Kai-Feng | Chao-Heng Tseng, Shau-Yuan Liu, Huang-Chin Wang, Sy-Yuan Kang | Indoor air quality diagnostic expert system for optimal improvement measures | Taiwan | B3: Control of indoor environment | oral |
| HP0299 | Guglielmino, Maud | Alaa Allouch, Pierre Bernhardt, Christophe A. Serra, Stéphane L.E. Calvé | Progress in the development of a colorimetric analytical method for on-line gaseous formaldehyde detection | France | B3: Control of indoor environment | oral |
| HP0306 | Liaud, Céline | Pierre Bernhardt, Stéphane L.E. Calvé | Highlighting indoor physico-chemical processes through the temporal monitoring of VOCs concentrations using an automatic sampler coupled to GC analysis | France | B3: Control of indoor environment | oral-poster |
| HP0308 | Yang, Jun | Menghao Qin | Analysis of indoor hygrothermal conditions in residential buildings during the plum rain season in Southeast China | China | B3: Control of indoor environment | oral |
| HP0318 | Yongli, Yuan | Xiang Zhou, Xu Zhang | Experimental research on ceiling radiant panel combined with different air distribution system | China | B3: Control of indoor environment | oral |
| HP0321 | Brandt, Stefan | Martin Kriegel | Pressure maintenance and air quality control in rooms with higher physical boundary conditions | Germany | B3: Control of indoor environment | oral |
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| HP0397 | Luengas, Angela | Cécile Hort, Vincent Platel, Sabine Sochard, Ana Elias, Astrid Barona, Michel Ondarts, Anne Reguer, Gorka Gallastegui | Coupling biofiltration and adsorption to treat indoor VOCs | France | B3: Control of indoor environment | oral |
| HP0409 | Haugen, Elisabeth | Monica Berner, Maria J. Alonso, Frode Frydelund, Bjarne Malvik | Hygienic and Microbiological (HYGMIC) evaluation of air intake and plants – ten-years-experience | Norway | B3: Control of indoor environment | oral |
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| HP0467 | Ma, Aiming | Xiaorui Lin, Sumei Liu, Yulong Liu, Hao Li, Yi Jiang | Design strategies for effective fresh air system suitable to residential buildings in China | China | B3: Control of indoor environment | oral-poster |
| HP0480 | Nakai, Satoshi | Jun Kohzaki, Sayaka Murata, Yukio Yanagisawa | A longitudinal study about house characteristics and indoor environment | Japan | B3: Control of indoor environment | oral-poster |
| HP0482 | Jiang, Hui | Youming Chen, Jian Liu, Zhixiong Ding, Qigao Fu, Changliang Jiang | Self-adaptive control to improve energy efficiency and thermal comfort for variable air volume system | China | B3: Control of indoor environment | oral |
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| HP0508 | Krajčík, Michal | Angela Simone, Roberta Tomasi, Bjarne W. Olesen | Evaluation of the indoor environment in an office room equipped by displacement ventilation and radiant floor cooling | Slovakia | B3: Control of indoor environment | oral |
| HP0516 | Wang, Fujen | Mengchieh Lee, Tongbou Chang, Chunyuan Hsu | Evaluation of indoor environment parameters and energy-efficient HVAC system for an unoccupied operating room | Taiwan | B3: Control of indoor environment | oral |
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| HP0540 | Zhang, Changbin | Yaobin Li, Hong He | Sodium promoted Pd/TiO ₂ for catalytic oxidation of formaldehyde at ambient temperature | China | B3: Control of indoor environment | oral-poster |
| HP0587 | Tsuzuki, Hiromasa | Shin-Ichi Tanabe, Yutaka Sato, Mariko Saito | Comfortable thermal environment for people sensitive to cold in housing during summer | Japan | B3: Control of indoor environment | oral |
| HP0595 | Xue, Yu | Zhiqiang (John) Zhai | Comparison and integration of generic algorithm and adjoint algorithm for optimizing indoor environments | China | B3: Control of indoor environment | oral |
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| HP0622 | Apel, Christina | Erik Uhde | Sensitive and fast determination of organic acids in indoor air | Germany | B3: Control of indoor environment | oral-poster |
| HP0727 | Wang, Yu | Zhou Lingchang | Experimental investigations on characterization of mini-environments in a cleanroom with non-unidirectional airflow | China | B3: Control of indoor environment | oral-poster |
| HP0728 | Zhao, Haitian | Borong Lin, Fan Lu, Ye Zhao, Yanchen Liu, Bo Peng | A field study of indoor environment quality of super high-rise buildings with temperature and humidity independent control system | China | B3: Control of indoor environment | oral |

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| HP0791 | Li, Jinge | Pengyi Zhang | Manganese oxides films loading on activated carbon via in-situ reduction for formaldehyde removal at room temperature | China | B3: Control of indoor environment | oral |
| HP0821 | Kalliomäki, Petri | Pekka Saarinen, Julian W Tang, Hannu Koskela | Airflow patterns through a single hinged and a sliding-door in hospital isolation room | Finland | B3: Control of indoor environment | oral |
| HP0826 | Lee, Sihwan | Beungyong Park, Takashi Kurabuchi | The effects of moving objects on the transport of indoor air pollutants | Japan | B3: Control of indoor environment | oral |
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| HP0876 | Bolashikov, Zhecho Dimitrov | Maria I. Barova, Arsen K. Melikov | Control of exposure to exhaled air from sick occupant with wearable personal exhaust unit | Denmark | B3: Control of indoor environment | oral |
| HP0880 | Uth, Simon | Linette Nygaard, Zhecho D. Bolashikov, Arsen K. Melikov, Risto Kosonen, Panu Mustakallio, Ilari Aho | Human response to individually controlled micro environment generated with localized chilled beam | Denmark | B3: Control of indoor environment | oral |
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| HP1042 | Kim, Jeehern | Sung Min Hong, Hyo Joon Kim, Nam Chul Seong, Dong Won Yoon | Evaluation of the adsorption performance of building materials based on modified volcanic ash | Korea South | B3: Control of indoor environment | oral-poster |
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| HP0433 | Batault, Frédéric | Olivier Debono, Cécile Raillard, Valérie Hequet, Yves Andres, Frédéric Thevenet, Nadine Locoge, Laurence L.E. Coq | Influence of operating parameters of photocatalytic systems on the degradation of an indoor VOC mixture | France | B5: Filtration and air cleaning | oral-poster |
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| HP0507 | Afshari, Alireza | Pawel Markowicz, Lennart Larsson, Niels C. Bergsøe, Siamak R. Ardkapan | Evaluating the effectiveness of two membranes in blocking chemicals | Denmark | B5: Filtration and air cleaning | oral |
| HP0525 | Oikawa, Daisuke | Taisuke Shindo, Yoshika Sekine | Reduction of indoor air concentration of formaldehyde by adsorptive polymer for preventing long term exposure effects in residences | Japan | B5: Filtration and air cleaning | oral-poster |
| HP0550 | Guo, Liujie | Jun Gao, Guangyu Cao, Aimo Taipale | A survey on air filter's usage situation of HVAC systems in China | China | B5: Filtration and air cleaning | oral-poster |
| HP0615 | Blondeau, Patrice | Céline Seguy, Jérôme Nicolle, Marc O. Abadie | Experimental characterization and modeling of a functional wall covering removing formaldehyde from the indoor air | France | B5: Filtration and air cleaning | oral |
| HP0673 | Chen, Ailu | Qingliang Cao, Jin Zhou, William W. Nazaroff, Bin Yang, Victor W.C. Chang | Indoor/outdoor pollutant relationships in an air-conditioned room during and after the 2013 haze in Singapore | Singapore | B5: Filtration and air cleaning | oral |
| HP0680 | Hou, Yuefei | Xiaotong Yin, Xin Zhang, Junjie Liu, Jingjing Pei, Zhiqiang Wang | Performance of air cleaners for removing gaseous and particulate pollutants | China | B5: Filtration and air cleaning | oral |
| HP0711 | Aldred, Josh | Richard Corsi | A method to estimate the health benefits of activated carbon filtration | United States of America | B5: Filtration and air cleaning | oral |
| HP0713 | Oyatogun, Oluwaseun | Shelly L. Miller | Indoor PM10 concentrations in a middle school classroom during pottery activities with and without air cleaners | United States of America | B5: Filtration and air cleaning | oral |
| HP0714 | Aldred, Josh | Erin Darling, Richard Corsi | A benefit-cost analysis of activated carbon filtration in long-term healthcare facilities | United States of America | B5: Filtration and air cleaning | oral |
| HP0751 | Joe, Yun haeng | Kyoungja Woo, Junggho Hwang | Capturing and inactivation of airborne virus with SiO ₂ -Ag nanoparticle coated air filter | Korea South | B5: Filtration and air cleaning | oral |
| HP0782 | Noh, Kwang-Chul | Myung-Do Oh, Sung-II Cha | Study on effective air cleaning ranges of air cleaners in rooms | Korea South | B5: Filtration and air cleaning | oral |
| HP0801 | Wang, Juan | Pengyi Zhang, Bo Zhang | Development of air cleaners based on the integration of advanced oxidation and water washing | China | B5: Filtration and air cleaning | oral-poster |
| HP0808 | Ma, Huan | Henggen Shen, Chan Xia | Experimental study of combustion characteristics of air filtration materials | China | B5: Filtration and air cleaning | oral-poster |
| HP0869 | Feilberg, Anders | Hongqing Yao | Application of PTR-MS for characterizing photocatalytic air cleaning of volatile organic compounds | Denmark | B5: Filtration and air cleaning | oral-poster |
| HP0870 | Mizutani, Chiyomi | Mariya P. Bivolarova, Arsen K. Melikov, Zhecho D. Bolashikov, Tomonori Sakoi, Kanji Kajiwara | Air cleaning efficiency of deodorant materials under dynamic conditions: effect of air flow rate | Japan | B5: Filtration and air cleaning | oral |
| HP0879 | Bivolarova, Mariya | Chiyomi Mizutani, Arsen K. Melikov, Zhecho D. Bolashikov, Tomonori Sakoi, Kanji Kajiwara | Efficiency of deodorant materials for ammonia reduction in indoor air | Denmark | B5: Filtration and air cleaning | oral |
| HP0888 | Lee, Eon | David C.C. Fung, Yifang Zhu | Development of a High Efficiency Cabin Air (HECA) filtration system to reduce children's exposure to air pollutants inside schools buses | United States of America | B5: Filtration and air cleaning | oral |

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| HP0911 | Ptak, Thad | Chrystal Gillilan | Impact of residential HVAC filtration on indoor concentration of PM1.0 and PM2.5 particulate matter | United States of America | B5: Filtration and air cleaning | oral-poster |
| HP0913 | Aldred, Josh | Mark Jackson, Richard Corsi | A method to estimate the health benefits of MERV-rated activated carbon filtration | United States of America | B5: Filtration and air cleaning | oral |
| HP0917 | Trudell, Carmen | | Dreaming about bricks: passive particulate filtration with wall-embedded cyclones | United States of America | B5: Filtration and air cleaning | oral-poster |
| HP0934 | Pham, Thanh-Dong | Byeong-Kyu Lee, Chi-Hyeon Lee | Application of metal doped TiO ₂ /glass fiber for bioaerosol disinfection under visible | Korea South | B5: Filtration and air cleaning | oral-poster |
| HP0997 | Carter, Ellison | Lynn E. Katz, Gerald E. Speitel Jr | Nitrogen-doping granular activated carbon to enhance surface-mediated removal of formaldehyde from indoor environments | United States of America | B5: Filtration and air cleaning | oral |
| HP1022 | Capetillo, Azael | Catherine J. Noakes, P. Andrew Sleigh, Amirul Khan | In-Duct UVGI air sterilisation: optimisation study for high performance energy efficient systems | United Kingdom | B5: Filtration and air cleaning | oral |
| HP1026 | Destailats, Hugo | Meera Sidheswaran, Sebastian Cohn, Douglas Sullivan, William J. Fisk | Laboratory and field demonstration of energy-efficient VOC removal using a manganese oxide catalyst at room temperature | United States of America | B5: Filtration and air cleaning | oral |
| HP1032 | Su, Chunxiao | Josephine Lau, Fang Yu | Applying real-time bioaerosol monitor to evaluate upper-room UVGI in Classroom | United States of America | B5: Filtration and air cleaning | oral |
| HP1041 | Siegel, Jeffrey | Atila Novoselac, Glenn C. Morrison | A laboratory method for measuring ozone emission from in-duct air cleaners | Canada | B5: Filtration and air cleaning | oral |
| HP1052 | Shaughnessy, Richard | David Reisdorph, Glenn Morrison | Field testing to estimate ozone emission rates of in-duct air cleaners in occupied homes | United States of America | B5: Filtration and air cleaning | oral |
| HP1057 | Logue, Jennifer | Melissa M. Lunden, Brett C Singer | Development and application of a physics-based simulation model to investigate residential PM2.5 composition and size distribution across the US | United States of America | B5: Filtration and air cleaning | oral |
| HP1114 | Hyun, Junho | Daehoon Park, Jungho Hwang | Filtration and inactivation of aerosolized virus with air ion | Korea South | B5: Filtration and air cleaning | oral |
| HP1145 | Lee, Wan-Chen | Jack Wolfson, Petros Koutrakis | Air purifier performance and the spatial variation in a single residential room | United States of America | B5: Filtration and air cleaning | oral-poster |
| HP1154 | Nishina, Hisato | Atsuo Nozaki | A study on the odor substance countermeasure technology in the toilet space | Japan | B5: Filtration and air cleaning | oral-poster |
| HP1189 | Narita, Yasunori | Yoshio Okamoto, Tatsumi Enokida, Toshio Tanaka, Kenkichi Kagawa, Atsuo Nozaki | Decomposition performance of air purifier using Streamer discharge technology for chemical substances adhering to PM2.5 | Japan | B5: Filtration and air cleaning | oral-poster |
| HP1205 | Tanaka, Toshio | Kenkichi Kagawa, Yasunori Narita, Atsuo Nozaki | Evaluation methodology of removal performance of portable air purifiers for gaseous substances | Japan | B5: Filtration and air cleaning | oral |
| HP1209 | Kagawa, Kenkichi | Toshio Tanaka, Yoshio Okamoto, Tatsumi Enokida, Yasunori Narita, Atsuo Nozaki | Dust removal performance of air purifier using ESP technology for PM2.5 and nanoparticles | Japan | B5: Filtration and air cleaning | oral |
| HP1262 | Skwarczynski, Mariusz | Alicja Siuta-Olcha, Slawomira M. Dumala, Urszula Gaska-Jedruch, Marzenna R. Dudzinska, Magdalena Szyszowska | Impact of ventilation and air conditioning systems on indoor air quality in a classroom | Poland | B5: Filtration and air cleaning | oral-poster |

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| HP1383 | Boni, Andre | Gloria Geng | PM2.5 & PM1 health impact and importance of changing filter standards in HVAC filtration | China | B5: Filtration and air cleaning | oral |
| HP1400 | Mcnabola, Aonghus | Laurence Gill | The development and assessment of an energy efficient air pollution control device for building ventilation systems. | Ireland | B5: Filtration and air cleaning | oral |
| HP1410 | van der Graaf, Tim | Thomas Caesar, Hartmut Finger | Procedure to quantify long-term particle removal performance of household air purifiers | Netherlands | B5: Filtration and air cleaning | oral |
| HP1417 | Haep, Stefan | Achim Breidenbach, Gerd Brosig, Thomas Engelke, Eckhard Däuber, Suhartiningsih, Frank Schmidt, Shichang Wang | Filtration performance of particulate air filters for general ventilation, lab testing vs. real life | Germany | B5: Filtration and air cleaning | oral |

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| HP0103 | Liu, Linlin | Xinke Wang, Yanyu Zhang | Numerical investigation on sampling process of an active SVOC sampler | China | B6: Prediction & measurement | oral |
| HP0122 | Cao, Jianping | Jianyin Xiong, Lixin Wang, Yinping Zhang | Measurement of gas-phase SVOCs using SPME: calibration method | China | B6: Prediction & measurement | oral |
| HP0123 | Schripp, Tobias | Ruth Giesen, Julia Scholtyssek, Bettina Meyer, Harald Schwab, Tunga Salthammer | Developing a reference source for formaldehyde emission testing of wooden building products | Germany | B6: Prediction & measurement | oral |
| HP0148 | Xiong, Jianyin | Jianping Cao, Yinping Zhang | An early stage c-history method for measuring the characteristic parameters of SVOC emission from polymeric materials | China | B6: Prediction & measurement | oral |
| HP0164 | Gong, Mengyan | Liangpo Liu, Lihui Huang, Zhongnan Pu, Jinhua Mo, Jan Sundell, Heqing Shen, Charles J. Weschler, Yinping Zhang | Phthalate metabolites in urine samples from Beijing children and relationships with phthalate levels in their handwipes | China | B6: Prediction & measurement | oral |
| HP0189 | Sebroski, John | Jason W. Miller, Mark Spence | Evaluation of modified flec® cell and micro chamber prototype for monitoring Methylene Diphenyl Diisocyanate (MDI) emissions | United States of America | B6: Prediction & measurement | oral-poster |
| HP0209 | Cehlin, Mathias | Taghi Karimipanh, Ulf Larsson | Unsteady CFD simulations for prediction of airflow close to a supply device for displacement ventilation | Sweden | B6: Prediction & measurement | oral |
| HP0228 | Huang, Yan | Jianmin Li, Bingye Li, Ran Duan, Junjie Liu, Xiong Shen, Qingyan Chen | Influence of sampling point distributions on the accuracy of indoor air environment measurements | China | B6: Prediction & measurement | oral |
| HP0264 | He, Weibing | Hejiang Sun | Experiment and simulation of radiant/convective split from passenger in aircraft cabins | China | B6: Prediction & measurement | oral |
| HP0273 | Huang, Yu-Ju | Chao-Heng Tseng, Chung-Chin Yang, Sy-Yuan Kang, Huang-Chin Wang | The development of air quality wireless sensor network for indoor PM10 and PM2.5 prediction model | Taiwan | B6: Prediction & measurement | oral |
| HP0300 | Ren, Xiaoxin | Da Yan, Chuang Wang, Xiaohang Feng | A computational model for window-control action based on occupant behavior | China | B6: Prediction & measurement | oral |
| HP0313 | Rizk, Malak | Marie Verrielle, Sebastien Dusanter, Coralie Schoemaecker, Stéphane L.E. Calve, Nadine Locoge | Sorption of organic gases onto building materials: development of a new device for in-situ measurements | France | B6: Prediction & measurement | oral |
| HP0315 | Liu, Xiaoyu | Nancy F. Roache, Matt R. Allen | Development of a small chamber method for SVOC sink effect study | United States of America | B6: Prediction & measurement | oral |
| HP0336 | Essah, Emmanuel | Stacey D. Waring | Effect of pollutants on the functionality of breathable roofing membranes in a bat roost | United Kingdom | B6: Prediction & measurement | oral |
| HP0337 | Duan, Ran | Yan Huang, Haishen Yin, Xiong Shen, Junjie Liu | Transient simulation of air environment in airliner cabins during takeoff | China | B6: Prediction & measurement | oral |
| HP0346 | Askan, Tunc | Martin Kriegel | 3D annual building energy simulation with transient thermal comfort prediction | Germany | B6: Prediction & measurement | oral |
| HP0347 | Askan, Tunc | Martin Kriegel | 3D decomposed particle tracking velocimetry | Germany | B6: Prediction & measurement | oral |

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| HP0398 | Dallongeville, Arnaud | Denis Zmirou-Navier, Barbara Le Bot, Pierre L.E. Cann, Cécile Chevrier, Nathalie Costet, Séverine Deguen, Isabella Annesi-Maesano, Olivier Blanchard | The asthma'child project: study of indoor exposure to chemical and biological air contaminants known or suspected to affect respiratory health | France | B6: Prediction & measurement | oral-poster |
| HP0413 | Vignau-Laulhere, Jane | Hervé Plaisance, Valérie Desauziers, Pierre Mocho, Yves Bigay, Katarzyna Raulin | Evaluation of two radial diffusive samplers for the measurement of formaldehyde in indoor air | France | B6: Prediction & measurement | oral |
| HP0422 | Shen, Runlin | Jiusheng Yin, Chao-Hsin Lin, Shugang Wang, Tengfei Zhang | Measurement of moisture content in porous material by a hot wire | China | B6: Prediction & measurement | oral |
| HP0440 | Dobiášová, Lucie | Daniel Adamovský | The indoor environment of an area with high occupancy | Czech Republic | B6: Prediction & measurement | oral-poster |
| HP0481 | Dai, Yunchuang | Ziyan Jiang, Shan Xin, Peizhang Chen, Sheng Li | Optimal control of variable speed parallel-connected pumps | China | B6: Prediction & measurement | oral |
| HP0484 | Cao, Shi-Jie | Johan Meyers | Fast prediction of indoor pollutant dispersion based on low-dimensional reduced-order ventilation models | China | B6: Prediction & measurement | oral |
| HP0488 | Plaisance, Herve | Alodie Blondel, Valerie Desauziers, Pierre Mocho | Field investigation on the indoor sinks of formaldehyde | France | B6: Prediction & measurement | oral-poster |
| HP0491 | Bourdin, Delphine | Pierre Mocho, Valérie Desauziers, Hervé Plaisance | Formaldehyde emission behavior of building materials: on-site measurements and modeling approach to predict indoor air | France | B6: Prediction & measurement | oral |
| HP0512 | Krajčík, Michal | Dušan Petráš, Juraj Bezák | System to monitor and control indoor environment for energy consumption optimization - a pilot study in a school building | Slovakia | B6: Prediction & measurement | oral-poster |
| HP0517 | Kim, Hyojin | Jeff Haberl | Exploring methods to analyze and display continuously-measured time-series IEQ performance data | United States of America | B6: Prediction & measurement | oral |
| HP0529 | Xu, Haixia | Pengyi Cui, Zhuo Li, Wenquan Tao | Numerical analysis of contaminants mixing in a full-scale test chamber | China | B6: Prediction & measurement | oral |
| HP0553 | Nohr, Michael | Matthias Richter, Birte Mull, Wilhelm G Lorenz, Wolfgang Horn | Development of a reference material for emission testing based on lacquer systems | Germany | B6: Prediction & measurement | oral-poster |
| HP0560 | Mao, Yun-feng | Zhuo Li, Wen-Quan Tao | Predicting emissions and transport of semi-volatile organic compounds in indoor environments: a review on mechanistic models | China | B6: Prediction & measurement | oral-poster |
| HP0578 | Spizer, Reut | Victor Steiner, Geula Sharf, Stelian Ghelberg, Hisham Nassar | A comprehensive survey of indoor radon levels in Israel | Israel | B6: Prediction & measurement | oral |
| HP0585 | Yu, H.C. | K.W. Mui, L.T. Wong | Validation of the bioaerosol deposition model in ventilated chamber | Hong Kong | B6: Prediction & measurement | oral |
| HP0602 | Knudsen, Sofie | Eva B. Møller, Elvira Bräuner | Building characteristics that determine moisture in 105 Danish homes | Denmark | B6: Prediction & measurement | oral |
| HP0614 | Lo, James | | Particle image velocimetry experiments in a wind tunnel to study wind-driven airflow through building openings | United States of America | B6: Prediction & measurement | oral |

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| HP0641 | Liang, Weihui | Fengna Chen, Xudong Yang | Volatile organic compound emissions from a "wet" material assembly in a small-scale environmental chamber and in two real houses | China | B6: Prediction & measurement | oral |
| HP0665 | Ching, Michael | Michael S.C. Yim, Simon H.C. Tsui, Kimson K.S. Leung | Energy performance of pre-conditioned air unit in Hong Kong international airport | Hong Kong | B6: Prediction & measurement | oral |
| HP0696 | McDonagh, Ann | Catherine J. Noakes | A comparison of the sampling efficiency of bioaerosol samplers and particle counters in natural and controlled environments | United Kingdom | B6: Prediction & measurement | oral |
| HP0703 | Martuzevicius, Dainius | Darius Ciužas, Tadas Prasauskas, Ruta Sidaraviciute, Lina Seduikyte, Andrius Jurelionis, Laura Gagyte, Violeta Kauneliene | Characterization of indoor pollution sources for a real - time management of IAQ | Lithuania | B6: Prediction & measurement | oral-poster |
| HP0733 | Takenaka, Takeshi | Genki Unno, Akira Endo, Shin-Ichi Tanabe | Analysis of influence of lifestyle and season on residential electric power consumption by using a fine-grained power sensing system | Japan | B6: Prediction & measurement | oral |
| HP0746 | Li, Minwen | Siqing Shen, Jingguang Li | Comparison of sampling methods for small-scale environmental chamber | China | B6: Prediction & measurement | oral-poster |
| HP0769 | Kurabuchi, Takashi | Ryo Okamoto, Sihwan Lee, Marumi Funado, Yoshihiro Toriumi, Megumi Aibara | Measurement of capture efficiency of an exhaust hood in a commercial kitchen with disturbances | Japan | B6: Prediction & measurement | oral |
| HP0771 | Hasegawa, Asako | U Yanagi, Naoki Kagi, Ken-Ichi Hasegawa, Naohide Shinohara, Keiko Abe, Hiroshi Yoshino | Indoor air quality and climate of emergency temporary housing in Aso City, Kumamoto | Japan | B6: Prediction & measurement | oral-poster |
| HP0772 | Nice, Jako | | Air, surfaces and copper halos, interstitial microbial zones. Has it been measured; can it be predicted? | South Africa | B6: Prediction & measurement | oral |
| HP0775 | Salmela, Anniina | Johanna Moisa, Tiina Reponen, Pertti Pasanen | Retention of penicillium brevicompactum fungal enzyme activity in environmental sample | Finland | B6: Prediction & measurement | oral |
| HP0810 | Wang, Shang | Yuguo Li | Local wind and radiant thermal environment measurement using three spheres | Hong Kong | B6: Prediction & measurement | oral |
| HP0827 | Feng, Xiaohang | Da Yan, Hongsan Sun | Cluster analysis of questionnaire survey on occupant window operation modes | China | B6: Prediction & measurement | oral |
| HP0839 | Tourreilles, Celine | Thierry Duforestel, Patrice Blondeau, Marc Abadie, Anne-Lise Tiffonnet | Coupled models to evaluate the interest of using air cleaners to reconcile indoor air quality and energy efficiency in buildings | France | B6: Prediction & measurement | oral |
| HP0846 | Saarinen, Pekka | P. Kalliomäki, J.W. Tang, H. Koskela | Air leakage through isolation room doorway - measurements and CFD simulations | Finland | B6: Prediction & measurement | oral |
| HP0873 | Kurabuchi, Takashi | Ryo Okamoto, Sihwan Lee, Marumi Funado, Yoshihiro Toriumi, Megumi Aibara | Measurement of capture efficiency of an exhaust hood in a commercial kitchen with disturbances | Japan | B6: Prediction & measurement | oral |
| HP0877 | Tlili, Sabrine | Sabine Crunaire, Marie Verrielle, Nadine Locoge, Patrice Coddeville | Wood plastic composite materials made from recycled waste wood and plastic: assessment of formaldehyde and VOC emissions | France | B6: Prediction & measurement | oral |
| HP0883 | Markov, Detelin | Arsen K. Melikov | Novel approach for evaluation of air change rate in naturally ventilated occupied spaces based on metabolic CO2 time variation | Denmark | B6: Prediction & measurement | oral |

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| HP0912 | Lin, Yi-Jiun peter | Ting-Ya Tsai | Experimental measurements of indoor air stratification in the space using an under-floor air distribution system | Taiwan | B6: Prediction & measurement | oral-poster |
| HP0914 | Sohn, Michael | Wanyu R. Chan, David M. Lorenzetti, Simon T. Parker, Bry Lingard | Measurements and model predictions of tracer gas transport in three multi-floor commercial buildings in Oklahoma city | United States of America | B6: Prediction & measurement | oral-poster |
| HP0964 | Yanagi, U | Hiroshi Yoshino, Kenichi Hasegawa, Naoki Kagi, Kenichi Azuma, Naohide Shinohara, Asako Hasegawa, Haruki Osawa | Indoor airborne, settled, and adhesive fungi in water-damaged houses after giant tsunami | Japan | B6: Prediction & measurement | oral-poster |
| HP1023 | Lin, Cheng-Chun | Liangzhu (Leon) Wang | Combining predictions and measurements for indoor environment forecasting | Canada | B6: Prediction & measurement | oral |
| HP1044 | Sekine, Yoshika | Ayano Azuma, Yuki Nagaoka, Michio Butsugan | Simultaneous measurement of NO and NO2 by passive air sampler employing novel oxidative trapping filter for NO | Japan | B6: Prediction & measurement | oral-poster |
| HP1070 | McGrath, James | Miriam A. Byrne, M.R. Ashmore, A.C. Terry, C. Dimitroulopoulou | Simulating the effect of variations in emission source start times on indoor PM concentrations | Ireland | B6: Prediction & measurement | oral |
| HP1077 | Rennebarth, Thorsten | Wolfgang Hofbauer, Florian Mayer | A new method for mould sampling at hard to access surfaces | Germany | B6: Prediction & measurement | oral-poster |
| HP1118 | Liu, Cong | Charles J. Weschler, Yinping Zhang | Predicting size distributions of particle associated SVOCs in indoor environments based on dynamic gas-particle mass transfer | China | B6: Prediction & measurement | oral |
| HP1132 | Soccio, Philippa | | The Edu Tool: IEQ - a new post occupancy evaluation tool for communicating to building designers information about the indoor environment quality inside classrooms | Australia | B6: Prediction & measurement | oral |
| HP1176 | Liu, Xiaoping | Jianlei Niu | Evaluation of turbulence models for simulating flow and heat transfer in cross-corrugated triangular channels | Hong Kong | B6: Prediction & measurement | oral-poster |
| HP1202 | Su, Huey-Jen | Chia-Wei Lee, Chien-Cheng Jung, Chun-Hsun Lin, Po-Jen Huang, Chih-Hsiang Yang, Chien-Lin Huang, Cheng-Tao Wang, Tsung-Kuan A. Chou, Li-Peng Wang | Comparison of continuous on-site measurement methods for tVOC monitoring regulated by Taiwan EPA in indoor air quality | Taiwan | B6: Prediction & measurement | oral |
| HP1229 | Gormley, Michael | David A. Kelly, Thomas Aspray | Bio-aerosol cross-transmission via the building drainage system | United Kingdom | B6: Prediction & measurement | oral |
| HP1256 | Qiu, Yang | John D. Spengler, Cheng Chen, Yue Deng, Erica Forzani, Gary Adamkiewicz | Monitoring variability of indoor VOCs with novel continuous real-time sensor in low-income urban public housing in Boston, MA | United States of America | B6: Prediction & measurement | oral |

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| HP1290 | Da, Guillaume | M. Ben-Othmane, Michel Havet, Evelyne Gehin, Camille Sollicec | Predicting particle deposition in large circular ventilation ducts for non-fully developed turbulent flow: experiments and modelling | France | B6: Prediction & measurement | oral |
| HP1304 | Sadick, Abdul-Manan | Ahmed M. Radwan, Shauna Mallory-Hill, Mohamed H. Issa | Development of a protocol for measuring Indoor Environmental Quality (IEQ) in office and school buildings | Canada | B6: Prediction & measurement | oral |
| HP1328 | Chen, Yixing | Lixing Gu, Jianshun Zhang, Meng Kong | Energyplus and CHAMPS-Multizone co-simulation for energy and indoor air quality analysis | United States of America | B6: Prediction & measurement | oral |
| HP1331 | Kimura, Kentaro | Katsuhiko Shibata, Naoyuki Tanita, Masafumi Sato, Yasushi Kondo | Estimation method of cooling load in an underground station | Japan | B6: Prediction & measurement | oral-poster |
| HP1334 | Zhao, Li | Chao Chen, Ping Wang, Yafeng Wang, Yali Wan, Liangtian Wang, Ti Ouyang, Zhaoguang Qiu, Qinqing Wang, Bin Lu, Guoqing Cao, Chong Meng | Experimental investigation on the impact of atmospheric PM2.5 levels change on indoor environment | China | B6: Prediction & measurement | oral |
| HP1356 | Ramos, Joao | Fernando Pinto | Indoor air quality audit in two office buildings in Portugal | Portugal | B6: Prediction & measurement | oral-poster |
| HP1375 | Ali, Maisarah | Majeed Oladokun, Samsul B. Osman | An improved method to evaluate indoor microclimatic data: case study of a book archive in a hot and humid climate | Malaysia | B6: Prediction & measurement | oral |
| HP1399 | Mccredidin, Andrew | Aonghus Mcnabola | Predicting the personal exposure of office workers to PM10 using differing modelling approaches | Ireland | B6: Prediction & measurement | oral |
| HP1401 | Lei, Lei | Shugang Wang, Tengfei (Tim) Zhang | An inverse method to determine wall boundary convective heat fluxes in indoor environments | China | B6: Prediction & measurement | oral |
| HP1419 | Chen, Wenhao | Janet M. Macher, Kazukiyo Kumagai | Indoor dampness and mold as indicators of respiratory health risks, Part 6: comparison of champs simulation of the moisture content and water activity of gypsum wallboard to controlled laboratory measurements | United States of America | B6: Prediction & measurement | oral |
| HP1422 | Kawaguchi, Makoto | Mark Mendell, George Chrysochou, Dennis Shusterman, Justine Hutchinson, Kazukiyo Kumagai | Indoor dampness and mold as indicators of respiratory health risks, Part 7: a review of Microbial Volatile Organic Compounds (MVOCs) observed under damp conditions | United States of America | B6: Prediction & measurement | oral |
| HP1436 | Chen, Fujiang | Pengcheng Zhao, Weidong Sun, Huanxin Chen, Jinliang Wang, Changling Wang, Qingsheng You | A simplified method of modelling fabric air dispersion system in penetration mode | China | B6: Prediction & measurement | oral |
| HP1438 | Huang, Shaodan | Jianyin Xiong, Yinping Zhang | Influence of temperature on the initial emittable concentration of formaldehyde in building materials: Interpretation and validation | China | B6: Prediction & measurement | oral-poster |

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| HP0192 | Yang, Xiaoshan | Lihua Zhao | Long-timescale simulation of the effects of microclimate on building energy performance | China | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
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| HP0206 | Zhang, Xiaobo | Xu Zhang | A hygrothermal research on energy efficiency and moisture condensation control for building enclosures in mixed climate zone | China | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
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| HP0435 | Chan, Wanyu | Meera Sidheswaran, Sebastian Cohn, Douglas P. Sullivan, William J. Fisk | Contaminant source strengths and ventilation rates in retail stores – implications to California’s building energy efficiency standards | United States of America | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
| HP0474 | Qi, Ronghui | Lin Lu, Hongxing Yang, Jiang Yu | Cooling load and energy consumption of commercial building in main climate regions | Hong Kong | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
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| HP0580 | Valoušková, Kristýna | | Heat losses and gains depending on the size of double transparent facade cavity | Czech Republic | B7: Impact of outdoor environment IAQ and energy efficiency | oral-poster |
| HP0626 | Fung, Cha-Chen | Pu Yang, Yifang Zhu | Infiltration of diesel exhaust into a mechanically ventilated building | United States of America | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
| HP0652 | Maisey, Shannan | Sandra M. Saunders, Felix A. Mackenzie-Rae, Peter J. Franklin | A reactive indoor air chemistry model study of ambient AQ influences in two cities | Australia | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
| HP0688 | Liu, Yanchen | Borong Lin, Zufeng Pei, Yingxin Zhu | Study of the indoor environment quality of green building and conventional building in China | China | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
| HP0708 | Lee, Byung Hee | Hyo Jin Kim, Myoung Souk Yeo, Kwang Woo Kim | Indoor and outdoor PM10 concentrations during the Asian dust storm episodes in Korea | Korea South | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
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| HP0956 | Han, Jun | Dong Chen, Xiaoming Wang | Improving thermal comfort in lightweight buildings of brick veneer walls with phase change materials | Australia | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
| HP0959 | Tang, Yuqiao | Pok L. Cheng, Xiaofeng Li | PM2.5 concentration analysis of different environmental impacts at different locations around Tsinghua University in Beijing | China | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
| HP0979 | Adamkiewicz, Gary | Meryl D. Colton, Piers Macnaughton, Jose Vallarino, Ran Rotem, Wanting Zhou, John D. Spengler | Differences in indoor environmental pollutants and air exchange between conventional and green public housing: a case study in Boston | United States of America | B7: Impact of outdoor environment IAQ and energy efficiency | oral-poster |
| HP1024 | Carvalho, Ricardo | Ole M. Jensen, Luís A.C. Tarelho | Changes of indoor climate by the adoption of proper wood-burning stoves worldwide | Denmark | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
| HP1053 | Work, Collin | Andrea R. Ferro | Diurnal variation in indoor particles at a LEED platinum rated commercial building near a major freeway intersection | United States of America | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
| HP1219 | Bae, Gwi-Nam | Jong Bum Kim, Gwang Jae Lee, Sung Hee Ryu, Jae Young Lee | Diurnal variation of vehicular air pollutants in a day-care center | Korea South | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
| HP1228 | Stranger, Marianne | Jelle Laverge, Martin Täubel, Stijn Verbeke, Kim Constandt, Katrien De Baets, Anne Hyvärinen, Eddy Goelen | Indoor air quality in relation to building envelope characteristics of low-energy and passive schools in Belgium | Belgium | B7: Impact of outdoor environment IAQ and energy efficiency | oral-poster |
| HP1231 | Stranger, Marianne | Martin Täubel, Stijn Verbeke, Jelle Laverge, Kim Constandt, Katrien De Baets, Anne Hyvärinen, Eddy Goelen | Comparison of the indoor air quality of low-energy and passive schools and dwellings with traditional buildings in Belgium | Belgium | B7: Impact of outdoor environment IAQ and energy efficiency | oral-poster |
| HP1275 | Adamkiewicz, Gary | Meryl D. Colton, Piers Macnaughton, Jose Vallarino, Ran Rotem, Wanting Zhou, John D. Spengler | Differences in indoor environmental pollutants and air exchange between conventional and green public housing: a case study in Boston | United States of America | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
| HP1298 | Moga, Ligia | Ioan Moga | Influence of glazing surfaces on the energy performance of buildings | Romania | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
| HP1360 | Das, Payel | Zaid Chalabi, Michael Davies, Ian Hamilton, Benjamin Jones, Anna Mavrogianni, Clive Shrubsole, Jonathon Taylor | Using probabilistic sampling-based sensitivity analyses for indoor air quality modelling | United Kingdom | B7: Impact of outdoor environment IAQ and energy efficiency | oral |
| HP1402 | Muhaxheri, Kreshnik | Mustafa Muhaxheri, Agron Lufi | Energy efficiency measures in public buildings in Kosovo | Albania | B7: Impact of outdoor environment IAQ and energy efficiency | oral-poster |

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| HP0281 | Shan, Ming | Jiarong Li, Jill Baumgartner, Yuqin Wang, Xudong Yang | Characterizing indoor real-time PM2.5 emissions from cooking and space heating stoves in Northern China | China | B8: IAQ in developing countries | oral |
| HP0282 | Li, Jiarong | Ming Shan, Jill Baumgartner, Ellison Carter, Majid Ezzati, Xudong Yang | Laboratory study of pollutant emissions from wood charcoal combustion for indoor space heating in China | China | B8: IAQ in developing countries | oral |
| HP0302 | Ongwandee, Maneerat | Sahalaph Homwuttivong, Theerapong Sairat | Distribution of airborne BTEX concentrations within petrol stations | Thailand | B8: IAQ in developing countries | oral-poster |
| HP0486 | Lee, Kiyoun | Duckshin Park | Implication of cow dung combustion in developing countries based on emission characterization | Korea South | B8: IAQ in developing countries | oral |
| HP0557 | Safdar, Sidra | Zulfiqar Ali, Ian Colbeck, Zaheer A.Nasir | Assessment of airborne microflora in residential houses in Lahore, Pakistan | United Kingdom | B8: IAQ in developing countries | oral |
| HP0570 | Hyttinen, Marko | Samson Kefene, Samuel Hartikainen, Pertti Pasanen | Particles, VOCs and lighter PAHs in kitchens using biomass fuels | Finland | B8: IAQ in developing countries | oral |
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| HP0823 | Majumdar, Dipanjali | Sucharita Chakraborty, Pamela Chowdhury, Debasish Sengupta, Anjali Srivastava | Effect of furnishing in the mixing ratio of NMVOC: a case study | India | B8: IAQ in developing countries | oral |
| HP0996 | Carter, Ellison | Ming Shan, Jiarong Li, Xudong Yang, Jill Baumgartner | Laboratory performance of advanced combustion biomass stoves in reducing household air pollution | United States of America | B8: IAQ in developing countries | oral |
| HP0998 | Panchal, Pritam | Rashmi S. Patil, Rakesh Kumar | Monitoring of indoor air quality in slums of Mumbai city, Mumbai | India | B8: IAQ in developing countries | oral-poster |
| HP1025 | Carvalho, Ricardo | Ole M. Jensen, Luís A.C. Tarelho, Adeildo C. Silva | Impacts of two improved wood-burning stoves on the indoor air quality: practices in Peru and Brazil | Denmark | B8: IAQ in developing countries | oral |
| HP1082 | Cheng, Li | Baizhan Li, Yong Ding, Hanwang, Xuefeng Yan | Analysis of the current indoor air quality of large commercial buildings in Chongqing area during summer period | China | B8: IAQ in developing countries | oral-poster |
| HP1251 | Zhang, Junfeng (jim) | Xiaoli Duan, Nigel Bruce, Heather Adair-Rohani, Kirk R. Smith | Household coal combustion: exposure to toxic pollutants and health effects | United States of America | B8: IAQ in developing countries | oral |
| HP1340 | Almatawa, Mansour | Abbas A. Elmualim, Emmanuel A. Essah | Field measurements of indoor air quality in office buildings in Saudi Arabia | United Kingdom | B8: IAQ in developing countries | oral |
| HP1433 | Ali, Zulfiqar | Humaira Amanat, Safdar Sidra, Zaheer A. Nasir, Ian Colbeck | Monitoring of PM2.5 arising from different cooking fuels in rural residential houses | Pakistan | B8: IAQ in developing countries | oral |

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| HP0363 | Lai, Ka man | Maggie Chan, K.K. Ma, Irene Li, Karen Lee, Tommy Lo, William Yu | IAQ and environmental hygiene analysis in subdivided units in Hong Kong | Hong Kong | B9: IAQ in rapidly urbanizing cities | oral |
| HP0464 | Liu, Yulong | Chaobin Zhou, Ying Li, Jinxian Zhang, Luyi Xu, Sumei Liu, Aiming Ma, Hao Li | A fast and simple tool to assess indoor environment quality of residential buildings at the stage of schematic design | China | B9: IAQ in rapidly urbanizing cities | oral-poster |
| HP0577 | Yue, Yang | Lihui Huang, Zhongnan Pu, Jan Sundell, Yinping Zhang | Measurement of carbonyls in residential indoor air during summer in Beijing | China | B9: IAQ in rapidly urbanizing cities | oral |
| HP0640 | Pei, Zufeng | Borong Lin, Yanchen Liu, Yingxin Zhu | The comparison study of indoor environment quality between design goal and actual performance for green buildings in China | China | B9: IAQ in rapidly urbanizing cities | oral |
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| HP1393 | kim, Yoon-Shin | Cheolmin Lee, Sun Ju Nam Goung, Huunwoo Shin, Chanjung Park, Doowon Han | Effectiveness of air purifier on IAQ in living environments of sensitive population | Korea South | B9: IAQ in rapidly urbanizing cities | oral-poster |
| HP1394 | kim, Yoon-Shin | Cheolmin Lee, Sun Ju Nam Goung, Huunwoo Shin, Chanjung Park, Jongcheol Kim, Kyungmi Lee | Effects of air purifier on change of atopic dermatitis and indoor air quality | Korea South | B9: IAQ in rapidly urbanizing cities | oral-poster |
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| HP1443 | Lai, Ka Man | Maggie Chan, K.K. Ma, Irene Li, Karen Lee, Tommy Lo, William Yu | IAQ and environmental hygiene analysis in subdivided units in Hong Kong | Hong Kong | B9: IAQ in rapidly urbanizing cities | oral-poster |
| HP0085 | Zhang, Huiibo | Hiroshi Yoshino, U Yanagi, Jingchao Xie, Zhiwei Lian | A detailed survey on indoor air quality and children's health in Shanghai | China | B9: IAQ in rapidly urbanizing cities | oral |
| HP0156 | Wei, Wenjuan | Rui Cheng, Weiping Zhao, Yinping Zhang | Influence of China's building energy efficiency policy on urban indoor formaldehyde exposure | China | B9: IAQ in rapidly urbanizing cities | oral-poster |

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| HP0887 | Mandal, Anubha | Anuj Girish, Jaspal Rohit, Shruti Adhirath | Health threat by biomass cooking fuels on infants- a case study | India | B11: Education and issues | oral-poster |

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| HP0358 | Amemiya, Takako | Toshiharu Ikaga, Kota Fujisaki | Effect of educational facilities on self-assessed student learning performance and health | Japan | B12: Productivity and economics | oral-poster |
| HP0612 | Kuzuu, Eriko | Shin-Ichi Tanabe, Asami Nagareda, Naoyuki Harada, Mitsunobu Abe, Masanori Oshikubo, Yuka Nakamura, Haruo Oshima, Shinji Wada, Hiroaki Taguchi | Productivity and indoor environmental quality of research institution with refreshment and communication area | Japan | B12: Productivity and economics | oral |
| HP0661 | Tsushima, Sayana | Shin-Ichi Tanabe, Naoe Nishihara, Masaya Hiraoka, Shin-Ichi Hiromoto, Hideharu Komoda, Seiichi Tabuchi | Workers' awareness and indoor environmental quality in power-saving offices | Japan | B12: Productivity and economics | oral |
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| HP0837 | Van Kemenade, Peer | Marcel G.L.C. Loomans, Siem Opschoor, Jan L.M. Hensen | Building comfort performance assessment using a monitoring tool | Netherlands | B12: Productivity and economics | oral |
| HP0946 | Wargocki, Pawel | Peter Foldbjerg, Kurt Emil Eriksen, Lars Eriksen Videbæk | Socio-economic consequences of improved indoor air quality in Danish primary schools | Denmark | B12: Productivity and economics | oral |
| HP0955 | Mandin, Corinne | Guillaume Boulanger, Thomas Bayeux, Corinne Mandin, Séverine Kirchner, Benoît Vergriette, Valérie Pernelet-Joly | Socio-economic costs due to indoor air pollution: a tentative estimation for France | France | B12: Productivity and economics | oral-poster |
| HP1294 | Boerstra, Atze | Marcel G.L.C. Loomans, Jan L.M. Hensen | Personal control over indoor climate and productivity | Netherlands | B12: Productivity and economics | oral |

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| HP0731 | Oh, Suhyun | Siwon Yang, Yoonshin Kim, Sunsook Kim | Development of the IAQ certification scheme for public use facilities in Korea | Korea South | B14: Policy, standards & regulations | oral |
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| HP0949 | Pouzaud , Francois | Cécilia Solal, Valérie Pernelet-Joly, Marion Keirsbulck, Guillaume Boulanger, Pierre-André Cabanes, Corinne Mandin, The Anses Expert Group on Iaqq | Setting of chronic indoor air quality guideline for nitrogen dioxide: evidence-based approach using epidemiological studies | France | B14: Policy, standards & regulations | oral-poster |
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| HP0976 | Mason, Stephany | Reinhard C. Oppl, Caroline Laffargue | Limit values for VOC emissions from construction and decorative products around the globe | Denmark | B14: Policy, standards & regulations | oral |
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| HP0092 | Chen, Chun | Chao-Hsin Lin, Qingyan Chen | Developing simplified models for the exhaled airflow from a cough with the mouth covered | United States of America | C1: Respiratory infection in indoor environment | oral |
| HP0196 | Morimoto, Shoichi | Huaipeng Tang, Shin-Ichi Tanabe, Hitomi Tsutsumi, Satoshi Hori | Reduction of droplet nuclei in 4 bed room | Japan | C1: Respiratory infection in indoor environment | oral |
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| HP0533 | Hirase, Kota | Nguyen Lu Phuong, Shin-Ichiro Aramaki, Kazuhide Ito | Visualization of air flow patterns in human respiratory tract by particle image velocimetry | Japan | C1: Respiratory infection in indoor environment | oral |
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| HP0541 | Yoo, Sung-Jun | Toshiki Matsuo, Nguyen Lu Phuong, Kazuhide Ito | Development of computer-simulated person with numerical airway model. Part 2: improved thermo-regulation model with heat and moisture transfer detail analysis in respiratory tract | Japan | C1: Respiratory infection in indoor environment | oral |
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| HP0663 | Ogata, Masayuki | Masakazu Suzuki, Shin-Ichi Tanabe, Satoshi Hori, Shoichi Morimoto, Hitomi Tsutsumi | Size of multibed patient room and airborne infection risk | Japan | C1: Respiratory infection in indoor environment | oral |
| HP0702 | Gao, Caroline | Yuguo Li, Benjamin J. Cowling, Daniel Chu, Heilbronn Cherie, Belinda Lloyd, J.S. Malik Peiris, Wendy Tsui, Alfred Kwong, Kitty Chan, Julian W. Tang | Lack of influenza transmission to an inhaling life-like manikin from naturally influenza-infected human volunteers | Canada | C1: Respiratory infection in indoor environment | oral |
| HP0732 | Kadota, Yosuke | Sung-Jun Yoo, Toshiki Matsuo, Nguyen Lu Phuong, Kazuhide Ito | Development of computer simulated person with numerical airway model. Part 3: breathing air quality prediction using improved unsteady breathing flow model | Japan | C1: Respiratory infection in indoor environment | oral |
| HP0783 | Wang, Jiahui | Baizhan Li, Wei Yu, Han Wang, Juan Wang | Decorated housing environment and its associations with asthma and allergies among Chongqing pre-school children | China | C1: Respiratory infection in indoor environment | oral-poster |

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| HP0898 | Azimi, Parham | Brent Stephens | HVAC filtration for controlling airborne influenza transmission in indoor environments: predicting risk reductions and operational costs | United States of America | C1: Respiratory infection in indoor environment | oral |
| HP0931 | Sung, Minki | Soonjung Kwon | Estimating of the air migration from negative pressure isolation ward by the movements of staffs using network model | Korea South | C1: Respiratory infection in indoor environment | oral-poster |
| HP1049 | You, Siming | Man Pun Wan, Jinwen Xiong | An infection risk assessment scheme incorporating the effect of walking-induced particle resuspension | Singapore | C1: Respiratory infection in indoor environment | oral |
| HP1065 | Taylor, Jonathon | Hector Altamirano-Medina, Clive Shrubsole, Payel Das, Phillip Biddulph, Michael Davies, Anna Mavrogianni, Eleni Oikonomou | Tuberculosis transmission: modelled impact of air-tightness in dwellings in the UK | United Kingdom | C1: Respiratory infection in indoor environment | oral |
| HP0016 | Mousavi, Ehsan | Kevin R. Grosskopf | Ventilation and transport of bioaerosols in healthcare environment- new insight into hospital corridor design | United States of America | C1: Respiratory infection in indoor environment | oral-poster |

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| HP0086 | Glorennec, Philippe | Corinne Mandin, Fabien Mercier, Olivier Blanchard, Kevin Fournier, Olivier Ramalho, Jean-Paul Lucas, Nathalie Bonvallot, Barbara Le Bot | Cumulative indoor exposures to Semi-Volatile Organic Compounds (SVOCs) in France: progress of the ECOS project | France | C2: New chemical substances in buildings | oral |
| HP0126 | Poppendieck, Dustin | Steve Nabinger, Matthew Schlegel, Andrew Persily | Long term emissions from spray polyurethane foam insulation | United States of America | C2: New chemical substances in buildings | oral |
| HP0389 | Blanchard, Olivier | Philippe Glorennec, Fabien Mercier, Nathalie Bonvallot, Cécile Chevrier, Olivier Ramalho, Corinne Mandin, Barbara L.E. Bot | Semi-volatile organic compounds in indoor air and settled dust in 30 French dwellings | France | C2: New chemical substances in buildings | oral |
| HP0429 | Bohlin, Pernilla | Lisa Melymuk, Petr Kukučka, Roman Prokeš, Šimon Vojta, Jana Klánová | Novel brominated flame retardants in non-industrial indoor air: occurrence and evaluation of a passive air sampler | Czech Republic | C2: New chemical substances in buildings | oral |
| HP0518 | Xu, Ying | Yirui Liang, Jorge R. Urquidi, Jeffrey A. Siegel | Phthalates and PBDES in retail stores | United States of America | C2: New chemical substances in buildings | oral |
| HP0716 | Le Bot, Barbara | Charline Warembourg, Fabien Mercier, Erwann Gilles, Gaëlle Raffy, Olivier Blanchard, Nathalie Bonvallot, Cécile Chevrier, Philippe Glorennec | Neurotoxic Semi Volatile Organic Compounds (SVOCs) in house settled dust: contamination and determinants | France | C2: New chemical substances in buildings | oral |
| HP1015 | Mandin, Corinne | Fabien Mercier, Jean-Paul Lucas, Olivier Ramalho, Olivier Blanchard, Nathalie Bonvallot, Gaëlle Raffy, Erwann Gilles, Philippe Glorennec, Barbara Le Bot | ECOS-POUSS: a nationwide survey of semi-volatile organic compounds in home settled dust | France | C2: New chemical substances in buildings | oral |
| HP1017 | Mandin, Corinne | Fabien Mercier, Jean-Paul Lucas, Olivier Ramalho, Erwann Gilles, Olivier Blanchard, Nathalie Bonvallot, Philippe Glorennec, Barbara Le Bot | ECOS-PM: a nationwide survey of semi-volatile organic compounds in indoor air | France | C2: New chemical substances in buildings | oral |
| HP1164 | Huang, Chun-nan | Wei-Lun Lee, Hong-Bin Cho, Chin-Chi Wu, Pei-Ling Lee, Chia-Wei Lee | The associations between phthalates in indoor dust and house-cleaning habits | Taiwan | C2: New chemical substances in buildings | oral |
| HP1222 | Lazarov, Borislav | Marianne Stranger, Frederick Maes, Eddy Goelen, Adrian Covaci | Optimisation of an innovative sampling method for air sampling flame retardants | Belgium | C2: New chemical substances in buildings | oral-poster |
| HP1386 | Jiang, Fang | Huan Chen, Shourong Zheng | Catalytic combustion of ethyl acetate on Al ₂ O ₃ supported chromia catalysts | China | C2: New chemical substances in buildings | oral-poster |

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| HP0108 | Rai, Aakash | Chun Chen, Chao-Hsin Lin, Qingyan Chen | Numerical modeling of ozone-initiated particle generations from reactions with clothing in an environmental chamber | United States of America | C3: Nanoparticles in indoor environment | oral |
| HP0133 | Chen, Yen-Ping | Ke-Ruoyang, Kuo-Pin Yu | Exposure to and health risk assessment for particulate matters and polycyclic aromatic hydrocarbons from household cooking in Taiwan | Taiwan | C3: Nanoparticles in indoor environment | oral |
| HP0182 | Bekö, Gabriel | Birthe Uldahl Kjeldsen, Yulia Olsen, Aneta Wierzbicka, Dorina Gabriela Karotki, Jørn Toftum, Steffen Loft, Geo Clausen | Ultrafine particles in 60 Danish homes: measurements in the homes and personal monitoring | Denmark | C3: Nanoparticles in indoor environment | oral |
| HP0188 | Mao, Lin | Huihui You, Shaohui Chen, Huaxiao Wen, Xiong Di, Jun Su, Zhihong Zhu, Rui Li | Acute oxidative damage to mice liver and kidney induced by tungsten trioxide nanocubes | China | C3: Nanoparticles in indoor environment | oral-poster |
| HP0294 | Buonanno, Giorgio | Luca Stabile, Giorgio Ficco, Rohan Jayaratne, Lidia Morawska | Measurement of cooking-generated particle charge | Italy | C3: Nanoparticles in indoor environment | oral-poster |
| HP0351 | Wu, Yi-Ying | Yen-Ping Chen, Kuo-Pin Yu | Removal of monodisperse and polydisperse submicron particles in a stainless steel test chamber by using a negative air ionizer | Taiwan | C3: Nanoparticles in indoor environment | oral-poster |
| HP0649 | Wu, Xin | Lina Wang, Ling Feng, Guangli Xiu, Chun Zhu, Mingzhou Yu | Characteristics of fine particles and black carbon emitted from different Chinese cooking methods | China | C3: Nanoparticles in indoor environment | oral |
| HP1100 | Bohgard, Mats | Maria Albin, Katrin Dierschke, Anders Gudmundsson, Inger Hagerman, Christina Isaxon, Jonas Jakobsson, Bo Ag Jönsson, Jörn Nielsen, Patrik Nilsson, Joakim H. Pagels, Yiyi Xu, Aneta Wierzbicka | Human exposure studies of airborne particles from common sources | Sweden | C3: Nanoparticles in indoor environment | oral-poster |

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| HP0198 | Brimblecombe, Peter | | The impact of indoor air on historic interiors under climate change | Hong Kong | C4: Climate change and indoor environment | oral |
| HP0450 | Vardoulakis, Sotiris | John Thornes, Ka-Man Lai, Sani Dimitroulopoulou, Isabella Myers, Clare Heaviside | Health effects of climate change in the UK indoor environment – a critical review | United Kingdom | C4: Climate change and indoor environment | oral |
| HP0794 | Sailor, David | | Risks of extreme thermal conditions in buildings associated with climate change and exacerbation of the urban heat island | United States of America | C4: Climate change and indoor environment | oral |
| HP1058 | Hsu, Nai-Yun | Yen-Hsu Lin, Han-Yu Shih, Yu-Chun Liu, Chao-Yu Guo, Huey-Jen Su | Predictive model of indoor temperature from ambient levels | Australia | C4: Climate change and indoor environment | oral |
| HP1352 | Simone, Angela | Marta Avantaggiato, Michele De Carli, Bjarne W. Olesen | Analyses of passive cooling strategies´ effect on overheating in low-energy residential buildings in Danish climate | Denmark | C4: Climate change and indoor environment | oral |
| HP1423 | Wang, Zhaoxia | Neng Zhu | Study on the design schemes of fresh air supplement in office buildings | China | C4: Climate change and indoor environment | oral |
| HP1437 | Lee, Daeyeop | Boram Lee, Sooyoung Guak, Kiyoung Lee | Indoor and outdoor thermal conditions in three types of economically disadvantaged residences during summer | Korea South | C4: Climate change and indoor environment | oral-poster |
| HP1447 | Jaakkola, Jouni | | Public health impact of indoor dampness and mold problems in the context of climate change | Finland | C4: Climate change and indoor environment | oral |
| HP1452 | Jantunen, Matti | | Greenhouse effect and climate change – and indoor air | Finland | C4: Climate change and indoor environment | oral-poster |

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| HP0479 | Yang, Jin-ho | Hyun-Tae Kim, Shin-Ichi Tanabe | How to apply approved LEED simulation for sustainable buildings in Japan | Japan | C5: Environmental impact of buildings | oral |
| HP0643 | Yang, Xinyan | Yuguo Li | Solar radiation heat gain in an urban area | Hong Kong | C5: Environmental impact of buildings | oral |
| HP0850 | Wang, Kai | Yuguo Li, Yuhui Li, Meng Yuan | Impact of urban building morphology on air temperature: a case study in the stone forest | Hong Kong | C5: Environmental impact of buildings | oral |
| HP0950 | Wang, Xiaoxue | Yuguo Li | Understanding and modelling urban-breeze circulation by up-scaling CFD | Hong Kong | C5: Environmental impact of buildings | oral |
| HP0969 | Teichman, Kevin | Andrew Persily | Indoor air quality: the forgotten, yet critical, element in sustainable buildings | United States of America | C5: Environmental impact of buildings | oral |
| HP0978 | Yin, Shi | Yuguo Li | The rising of urban buoyant plume from high-rise compact buildings in turbulent crossflows | Hong Kong | C5: Environmental impact of buildings | oral |
| HP1028 | Liu, Jiying | Mohammad Heidarinejad, Stefan Gracik, Daranee Jareemit, Jelena Srebric | The impact of surface convective heat transfer coefficients on the simulated building energy consumption and surface temperatures | United States of America | C5: Environmental impact of buildings | oral-poster |
| HP1119 | Zhao, Lihua | Kunming Li | Study on outdoor thermal environment of village in pearl river delta region | China | C5: Environmental impact of buildings | oral-poster |
| HP1135 | Kim, Si Eun | Jae Hun Oh, Young Ki Huh, Young Chull Ahn, Jong Wook Moon | A study on the thermal effects of green roof system in an existing building | Korea South | C5: Environmental impact of buildings | oral-poster |
| HP1156 | Yin, Shi | Mats Sandberg, Yuguo Li | Water tank investigation of single and multiple buoyant plumes from squared blocks in calm environment | Hong Kong | C5: Environmental impact of buildings | oral |
| HP1226 | Bayer, Charlene | | Materials transparency programs, emissions testing, and health impacts | United States of America | C5: Environmental impact of buildings | oral-poster |
| HP1338 | Krejcirikova, Barbora | Carsten Rode, Jakub Kolarik, Pawel Wargocki, Ruut H. Peuhkuri | Waste-based materials; capability, application and impact on indoor environment - literature review | Denmark | C5: Environmental impact of buildings | oral |
| HP1453 | Wang, Yi | Yuguo Li, Pak Wai Chan | Urban moisture balance in HONG KONG | Hong Kong | C5: Environmental impact of buildings | oral |
| HP1446 | Chow, Tin-tai | Kwong-Fai Fong, Tengfei Zhao, Apple Chan | Effectiveness of green roof as thermal barrier for air-conditioned offices in Hong Kong | Hong Kong | C5: Environmental impact of buildings | oral |

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| HP0051 | Huang, Yu | Jian-Lei Niu, Tse-Ming Chung | Experimental study on performance of interior blind in office buildings in Hong Kong | Hong Kong | C6: Low energy buildings | oral |
| HP0052 | Huang, Yu | Jian-Lei Niu, Tse-Ming Chung | Simulation study of shading design performance in office buildings in cooling-dominant climates | Hong Kong | C6: Low energy buildings | oral |
| HP0056 | Lai, Chi-Ming | Y.H. Wang | Energy-saving potential of building envelope designs in residential houses in Taiwan | Taiwan | C6: Low energy buildings | oral-poster |
| HP0087 | Poppendieck, Dustin | Lisa Ng, Matthew Schlegel, Andrew Persily, Alfred Hodgson | Long term air quality monitoring in a net-zero energy residential test facility designed with specifications for low emitting interior products | United States of America | C6: Low energy buildings | oral |
| HP0171 | Tsay, Yaw-Shyan | Yu-Chun Yeh, Mina Tsai | Study on strategies for zero energy home design in Taiwan - a case study of a residential house in Yunlin | Taiwan | C6: Low energy buildings | oral |
| HP0180 | Rey, Francisco | Antonio Villanueva, Manuel Andrés, And Eloy Velasco | IAQ and thermal comfort evaluation in a Spanish modern low-energy office with Thermally Activated Building (TAB) systems | Spain | C6: Low energy buildings | oral |
| HP0233 | Derbez, Mickaël | Bruno Berthineau, Valérie Cochet, Corinne Mandin, Cécile Pignon, Jacques Riberon, Guillaume Wyart, Severine Kirchner | Longitudinal study of indoor air quality and comfort of two low-energy single-family houses | France | C6: Low energy buildings | oral |
| HP0263 | Zhao, Deyin | Xu Zhang, Ming Zhong | A field survey study on energy consumption of office buildings with VRV system | China | C6: Low energy buildings | oral |
| HP0268 | Yang, Le | Jianjun Xia, Qi Shen | establishing energy consumption quota for assessing a group of government office buildings | China | C6: Low energy buildings | oral |
| HP0272 | Wang, Pengsu | Ming Shan, Xudong Yang | Thermal performance of a new Chinese Kang with forced convection air flow | China | C6: Low energy buildings | oral |
| HP0279 | Derbez, Mickaël | Jean-Paul Lucas, Olivier Ramalho, Jacques Riberon, Corinne Mandin, Séverine Kirchner | French national data collection system on indoor air quality and comfort in energy-efficient buildings | France | C6: Low energy buildings | oral |
| HP0296 | Iatauro, Domenico | Michele Zinzi | Assessment of the thermal comfort conditions in an high efficiency energy renovation of an Italian school building | Italy | C6: Low energy buildings | oral-poster |
| HP0298 | Laverge, Jelle | Arnold Janssens, Marianne Stranger, Stijn Verbeke, Kim Constandt, Katrien De Baets | Air leakage and compliance with building code ventilation requirements in low energy dwellings and schools in Belgium | Belgium | C6: Low energy buildings | oral |
| HP0327 | Wang, Fang | Dan Meng, Xiuwei Li, Junjie Tan | Field experiments on the thermal performance of double skin façade building in hot summer | China | C6: Low energy buildings | oral |
| HP0329 | Gong, Nan | Jijun Zhou, Simeng Liu, Steven Esparza, Uthaman Raju | Air flow setback strategies for hospital energy saving | United States of America | C6: Low energy buildings | oral |
| HP0348 | Lv, Liugen | Chen Huang, Li Li, Jiangchang Chen | Comparative study on radiant heat transfer in building inner surface based on different radiant models | China | C6: Low energy buildings | oral |
| HP0366 | Verrielle, Marie | Coralie Schoemaeker, Benjamin Hanoune, Nathalie Leclerc, Nadine Locoge | Do Low Energy Public Buildings (LEPB) comply with the recent IAQ regulations in France? What about unregulated VOC? | France | C6: Low energy buildings | oral |
| HP0380 | Langer, Sarka | Erica Bloom, Gabriel Bekö | Indoor environment in Swedish passive houses | Sweden | C6: Low energy buildings | oral |

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| HP0386 | Zhang, Xiyao | Jianlei Niu, Shuo Zhang, Jian-Yong Wu | The PCM-water emulsion with low supercooling | Hong Kong | C6: Low energy buildings | oral |
| HP0391 | McGill, Gráinne | Menghao Qin, Lukumon Oyedele | Comparison of indoor air quality in mechanically ventilated and naturally ventilated social housing- a case study | United Kingdom | C6: Low energy buildings | oral-poster |
| HP0410 | Sudo, Toshihiko | Ryoichi Kajiya, Koji Sakai | Performance verification of the integrated optical air duct system (air-conditioning duct performance) | Japan | C6: Low energy buildings | oral-poster |
| HP0419 | Maccarini, Alessandro | Alireza Afshari, Niels C. Bergsøe, Göran Hultmark, Magnus Jacobsson, Anders Vorre | Innovative two-pipe active chilled beam system for simultaneous heating and cooling of office buildings | Denmark | C6: Low energy buildings | oral |
| HP0430 | Schoemaeker, Coralie | Marie Verrielle, Benjamin Hanoune, Denis Petitprez, Nathalie Leclerc, Malak Rizk, Sébastien Dusanter, Stéphane L.E. Calve, Maurice Millet, Pierre Bernhardt, Maxence Mendez, Nadège Blond, Didier Hauglustaine, Alain Clappier, Patrice Blondeau, Marc Abadie, Nadine Locoge | Experimental and modeling characterizations of indoor air quality in low energy public buildings in France - the MERMAID program | France | C6: Low energy buildings | oral-poster |
| HP0432 | Lima, Pedro | Joaquim F. Monteiro, Olga S. Castro | Impact of design options in zero energy building conception: the case of large buildings in Portugal | Portugal | C6: Low energy buildings | oral-poster |
| HP0478 | Meng, Zhaozhou | Michael Pelken, Jianshun Zhang, Daniel Rice, Yixing Chen, Shewangizaw Semahegn, Lixing Gu, Hugh Henderson | "Magic cube": an integrated and coordinated process for performance-based building design | United States of America | C6: Low energy buildings | oral |
| HP0509 | Kmetfková, Jana | Michal Krajčík | Cost optimal evaluation of energy performance requirements on apartment buildings to comply with the energy performance of buildings directive | Slovakia | C6: Low energy buildings | oral-poster |
| HP0544 | Kajiya, Ryoichi | Toshihiko Sudo, Koji Sakai | Measurement and CFD analysis of the temperature and air velocity distribution in a double skin | Japan | C6: Low energy buildings | oral-poster |
| HP0613 | Harada, Naoyuki | Shin-Ichi Tanabe, Asami Nagareda, Eriko Kuzuu, Mitsunobu Abe, Masanori Oshikubo, Yuka Nakamura, Haruo Oshima, Shinji Wada, Hiroaki Taguchi | Taking into account heat and daylight to verify and improve a multistory double-skin facade | Japan | C6: Low energy buildings | oral |
| HP0623 | Silva, Nuno Alexandre | Pawel Wargocki | Do certified buildings enhance indoor environmental quality and performance of office work? | Denmark | C6: Low energy buildings | oral |
| HP0655 | Lee, Suk-Joo | Kyung-Woo Kwon, Jun-Seok Park | Heating and cooling energy performance of commercial buildings | Korea South | C6: Low energy buildings | oral |
| HP0689 | Wang, Yi | Chandra Sekhar, William P. Bahnfleth, Sundaram Karuppaiah | Effectiveness of Ultraviolet Germicidal Irradiation (UVGI) systems in air handling units in enhancing energy performance | Singapore | C6: Low energy buildings | oral |
| HP0739 | Zhang, Shuo | Jianlei Niu | Low energy buildings integrated nocturnal radiation cooling and thermal energy storage | China | C6: Low energy buildings | oral |
| HP0755 | Zhang, Xiaojie | Jie Han, Guoqiang Zhang, Di Qin | A review on hybrid ventilation | China | C6: Low energy buildings | oral-poster |

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| HP0861 | Xue, Fei | Xiaofeng Li | A fast calculation method for indoor heat gain of external respiration double-skin façades in cooling season | China | C6: Low energy buildings | oral-poster |
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| HP0989 | Hartikainen, Samuel | Kari Salmi, Maija Leppänen, Marko Hyttinen, Erkki Kähkönen, Rauno Holopainen, Pertti Pasanen | Semi-volatile and volatile organic compounds in low-energy and conventionally built houses | Finland | C6: Low energy buildings | oral-poster |
| HP1008 | Akimoto, Takashi | Ken Aozasa, Yusuke Yamada, Takuma Sato, Masayuki Sato, Aki Mizuta | Performance evaluation on double multi GHP in school building | Japan | C6: Low energy buildings | oral-poster |
| HP1021 | Knudsen, Henrik | Ole M. Jensen | Indoor climate perceived as improved after energy retrofitting of single-family houses | Denmark | C6: Low energy buildings | oral |
| HP1047 | Yau, Yat | Keng H. Chuah, Ming R. Tey, Pak N. Yip, Cheng S. Lim, Tet H. Chong, Krishnan Rajagopal | Feasibility study of using heat recovery devices in HVAC systems in a building in the tropics | Malaysia | C6: Low energy buildings | oral |
| HP1123 | Ge, Gaoming | Ahmed H. Abdel-Salam, Mohamed R.H. Abdel-Salam, Robert W. Besant, Carey J. Simonson | Heat and mass transfer performance comparison of a packed bed and a Liquid-to-Air Membrane Energy Exchanger (LAMEE) | Canada | C6: Low energy buildings | oral |
| HP1136 | Jeong, Ah Hee | Young Chull Ahn, Byung Heon Jeon, Jung Sub Seo | Performance evaluation of air-bubble sheets as a thermal insulator for window system | Korea South | C6: Low energy buildings | oral-poster |
| HP1173 | Hwang, Hyekeun | Togo Yoshidomi, Kentaro Sekine, Shinsuke Kato | Analysis of the convection-radiation heat dissipation from the equipment for the development of liquid cooling air-conditioning system | Japan | C6: Low energy buildings | oral |
| HP1174 | Kawahara, Daisuke | Kyosuke Hiyama, Shinsuke Kato | Low-energy effectiveness of dynamic insulation system for windows | Japan | C6: Low energy buildings | oral |
| HP1201 | Moon, Hyeun Jun | Seung Ho Ryu | Model based predictive control for radiant floor heating system in a residential building | Korea South | C6: Low energy buildings | oral |
| HP1212 | Bagoňa, Miloslav | Martin Kamenský, Martin Lopusniak | Improvement of indoor environment and its effect on the heat demand for heating and cooling of house | Slovakia | C6: Low energy buildings | oral-poster |
| HP1227 | Moon, Hyeun | Min Seok Choi | Evaluation of simulation based control for a VRF system with different simulation time-steps | Korea South | C6: Low energy buildings | oral-poster |
| HP1240 | Moon, Hyeun Jun | Young Ran Yoon | Measurement and verification for an energy performance evaluation in buildings with BEMS | Korea South | C6: Low energy buildings | oral |
| HP1292 | Martinez, Andrea | Joon-Ho Choi | Evidence-based model of building façade features using data mining for assessment of building performance | United States of America | C6: Low energy buildings | oral |

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| HP1324 | Yuan , Chen | Menghao Qin, Jianshun J. Zhang | “Virtual Deseign Studio” for hot and humid climate in china | China | C6: Low energy buildings | oral |
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| HP1353 | Zemitis, Jurgis | Aleksandrs Zajacs, Anatolijs Borodinecs | Indoor air quality in multi-storey apartment building after refurbishment | Latvia | C6: Low energy buildings | oral |
| HP1357 | Gong, Nan | Jijun Zhou, Simeng Liu, Steven Esparza, Uthaman Raju | Air flow rate control strategies and energy saving for operating rooms | United States of America | C6: Low energy buildings | oral-poster |
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| HP0084 | Tatsu, Kouichi | Satoshi Nakai, Shinsuke Kato | A preliminary study of methods for in-car air quality measurement | Japan | C7: Transport cabin environments | oral-poster |
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| HP0111 | Guan, Jun | Xudong Yang Zheng Li | Source contributions and control strategies of Volatile Organic Compounds (VOCs) in aircraft cabins | China | C7: Transport cabin environments | oral |
| HP0117 | Chen, Xiaokai | Lili Feng, Huilong Luo, Guoqiang Zhang | Objective assessment of airborne benzene and its homologues pollution in passenger cars | China | C7: Transport cabin environments | oral-poster |
| HP0154 | Widdowson, Caroline | | Vehicle interior air quality - (S)VOC emission from materials: regulation, standard methods and analytical implementation | United Kingdom | C7: Transport cabin environments | oral-poster |
| HP0184 | Cao, Xiaodong | Junjie Liu, Yun Zhang, Jiayu Li | High power 2D-PIV application in the measurement of air distribution in an aircraft cabin mockup | China | C7: Transport cabin environments | oral-poster |
| HP0293 | Langer, Sarka | Jana Moldanová, Erica Bloom, Cecilia Österman | Indoor environment on-board the Swedish icebreaker oden | Sweden | C7: Transport cabin environments | oral |
| HP0320 | Kim, Man-Goo | In-Ryeol Lee, Kyu-Jeong Kim | Method for the determination of the emission of volatile organic chemicals from unit-component of car interior by using static chamber | Korea South | C7: Transport cabin environments | oral-poster |
| HP0382 | Lee, In-Ryeol | Kyu-Jeong Kim And Man-Goo Kim | The cause material assessment of emitted VOCs at unit component by using the test method of cut part of vehicle interior | Korea South | C7: Transport cabin environments | oral-poster |
| HP0401 | Rosén, Karl | | In-cabin air quality –electrostatic field to capture sub-micron size particles | Sweden | C7: Transport cabin environments | oral-poster |
| HP0421 | Ma, Pengzhen | Tengfei (Tim) Zhang, Shugang Wang | Prediction of inner aircraft surface temperature based on the onboard and the outboard coupling | China | C7: Transport cabin environments | oral |
| HP0424 | Wang, Jihong | Hongbiao Zhou, Tengfei (Tim) Zhang, Shugang Wang | Inverse design of aircraft cabin environment based on proper decomposition of thermo-flow fields | China | C7: Transport cabin environments | oral |
| HP0425 | Wei, Yun | Tengfei (Tim) Zhang, Shugang Wang | An efficient method to inversely design air-supply opening size for a commercial airplane | China | C7: Transport cabin environments | oral |
| HP0451 | Chang, Li-Te | Chin-Sheng Tang, Shih-Chun Candice Lung | The effects of in-cabin exposures to multi-sized particulate matters and carbon monoxide on changes in heart rate variability for healthy public transit commuters | Taiwan | C7: Transport cabin environments | oral |
| HP0485 | Kim, Kyu-Jeong | In-Ryeol Lee, Man-Goo Kim | Evaluation of VOCs emissions from car interior console assembly and unit components | Korea South | C7: Transport cabin environments | oral-poster |
| HP0505 | Li, Bingye | Jingjing Pei, Congcong Wang, Junjie Liu, Xiaojin Xiao | Experimental study of cabin thermal comfort and air quality at different seasons | China | C7: Transport cabin environments | oral-poster |

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| HP0590 | Cho, Youngmin | Soon-Bark Kwon, Duck-Shin Park, Ji-Han Song, Woo-Sung Jung, Bo-Shik Yang, Jae-Hong Park | Effect of emissions from diesel locomotives on indoor air quality of passenger cabin | Korea South | C7: Transport cabin environments | oral |
| HP0824 | Wang, Congcong | Junjie Liu, Yongzhi Zhang | Accurate experimental measurements of flow boundary conditions for numerical simulations in an aircraft cabin mockup | China | C7: Transport cabin environments | oral |
| HP0952 | Abadie, Marc | Géraldine L.E. Nir, Jérôme Nicolle, Cécile Honore, Patrice Blondeau, Anne Kauffman | Indoor air quality in metro systems: a survey | France | C7: Transport cabin environments | oral |
| HP0992 | Cho, Youngmin | Choong-Hee Lee, Duck-Shin Park, Soon-Bark Kwon, Woo-Sung Jung | Effect of additional insulation panel on average temperature in subway cabin during heating | Korea South | C7: Transport cabin environments | oral |
| HP1165 | Kwon, Soon-Bark | Jihan Song, Jong-Bum Kim, Gwang-Jae Lee, Seyoung Kim, Duck-Shin Park, Youngmin Cho, Wootae Jeong | Efficiency of the Subway Cabin Air Purifier (SCAP) for removing particulate matters in a subway cabin indoor | Korea South | C7: Transport cabin environments | oral |
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