Program for 2017 Parallel Conferences of AR4MET-ICOED-REEGETECH

Time | ROOM 1 - BENDAHARA | ROOM 2 - LAKSAMANA | ROOM 3 - TEMENGGUNG | ROOM 4 - SYAHBANDAR

**Tuesday, November 7**

07:30 am-
08:00 am  
REG_DAY01: REGISTRATION DAY ONE (7.30 am - 5.00 pm)

08:00 am-
10:30 am  
D01_ICOED_01: DAY 1 - ICOED
SESSION 01

10:30 am-
11:00 am  
DAY01_TEA_1: TEA BREAK

11:00 am-
01:00 pm  
OPENING: Official Opening Ceremony by MALTESAS - Room BENDAHARA

01:00 pm-
02:00 pm  
KEYNOTE_ICOED: Official ICOED Keynote Address

02:00 pm-
05:00 pm  
D01_ICOED_02: DAY 1 - ICOED
SESSION 02

05:00 pm-
05:30 pm  
DAY01_LUNCH: LUNCH

**Wednesday, November 8**

07:30 am-
08:00 am  
REG_DAY02: REGISTRATION DAY TWO (7.30 am - 5.00 pm)

08:00 am-
10:30 am  
D02_ICOED_01: DAY 2 - ICOED
SESSION 01

10:30 am-
11:00 am  
DAY02_TEA_1: TEA BREAK

11:00 am-
01:00 pm  
D02_ICOED_02: DAY 2 - ICOED
SESSION 02

01:00 pm-
02:00 pm  
DAY02_LUNCH: LUNCH

02:00 pm-
05:00 pm  
D02_ICOED_03: DAY 2 - ICOED
SESSION 03

05:00 pm-
05:30 pm  
DAY02_TEA_2: TEA BREAK
Thursday, November 9

09:00 am-12:00 pm

NETWORKING: Networking Day
Tuesday, November 7

**Tuesday, November 7, 07:30 - 08:00**

**D01_AR4MET_01: DAY 1 - AR4MET SESSION 01**

Room: ROOM 2 - LAKSAMANA

Chairs: Md Ralib Aliza Aini (International Islamic University Malaysia, Malaysia), Fadhлина Che Ros (National Defence University of Malaysia, Malaysia)

8:00 Polyurethane Foams Made from Liquefied Oil Palm Mesocarp Fibre and Epoxy
    Shaharuddin Kormin (Universiti Tun Hussein Onn Malaysia, Malaysia)

8:15 Biopolymer Foam Composites with Natural Fiber Filler for Improved Sound Absorption
    Muhammad Shafiq Mohd Azahari (Universiti Tun Hussein Onn Malaysia, Malaysia)

8:30 Structure, Electrical and Microwave Properties of CaTa4O11 and Solid Solutions Ceramics
    Fadhлина Che Ros (National Defence University of Malaysia, Malaysia)

8:45 Material Characterization of a Doped Triangular Silicon Nanowire Using Raman Spectroscopy
    Nor Farahidah Za’bah and Md Ralib Aliza Aini (International Islamic University Malaysia, Malaysia); Anthony O’Neill and Kelvin Kwa (Newcastle University, United Kingdom (Great Britain))

9:00 Finite Element Simulation of Miniaturized ZnO/Si SAW Sensor for Rapid Detection of Dichloromethane Gas
    Md Ralib Aliza Aini (International Islamic University Malaysia, Malaysia); Nur Fatin Mohamad Razali (IIUM, Malaysia); Norazlina Saidin (International Islamic University Malaysia, Malaysia)

9:15 Physical Properties of Wood Polymer Composites (Wpc) upon Uv Irradiation Exposure
    Ahmad Shahrizan Syah Zaini, shah za (University Tun Hussein onn Malaysia (UTHM), Malaysia)

9:30 Computational Analysis on Aerodynamic Characteristics of Adult Pedestrian Crash Friendly Sedan Vehicles
    Kausalyah Venkatason and Nur Azia Izaty Mohamad Razman (Universiti Teknologi MARA, Malaysia); Shasthri Sivaguru (Heriot Watt University Malaysia, Malaysia)

9:45 Effect of Coating Thickness (25-100 Nm) on Properties of TiO2 Thin Films Prepared by DC Magnetron Sputtering with a TiO2 Target and Post-Annealing Process
    Noormariah Muslim, Muhammad Nur Syafii’ie Md Idris, Ying Woan Soon, Lim Ming and Nyuk Yoong Voo (Universiti Brunei Darussalam, Brunei Darussalam)

10:00 Raman Spectrometry of Scattering of Nano-Gold Ceria Films
    Muhammad Nur Syafii’ie Md Idris (Universiti Brunei Darussalam, Brunei Darussalam); Hai-Pang Chiang (National Taiwan Ocean University, Taiwan); Noormariah Muslim, Yuan-Fong Chou Chau, Abdul Hanif Mahadi, Nyuk Yoong Voo and Lim Ming (Universiti Brunei Darussalam, Brunei Darussalam)

10:15 Evaluation of Nafion-containing Photocatalytic Coatings on Painted Surfaces
10:30 Vibrating Haptic Stimulation Glove for Virtual Reality Environments
Victor H. Andaluz, Edgar Borja, Daniel Lara and Pablo Zambrano (Universidad de las Fuerzas Armadas ESPE, Ecuador)

D01_ICOED_01: DAY 1 - ICOED SESSION 01

Room: ROOM 1 - BENDAHARA
Chairs: Cecilia Bucayong (De La Salle University-Manila Philippines & Central Mindanao University, Philippines), Adam Mohd Saifudin (Universiti Utara Malaysia (UUM), Malaysia)

8:00 A Mobile Cartoon Framework for Promoting Communication Skills Among Secondary School Economics Students
Khoo Yin Yin (University Pendidikan Sultan Idris, Malaysia); Irfan N. Umar (University Science Malaysia, Malaysia); Nadiah Yan Abdullah (Universiti Pendidikan Sultan Idris, Malaysia)

8:15 Predicting Conceptual Understanding of DC Circuits Using Intentional Learning Questionnaire
Cecilia Bucayong (De La Salle University-Manila Philippines & Central Mindanao University, Philippines); Bee Ching Ong Kian Koc (De La Salle University - Manila, Philippines)

8:30 The Development of Business Continuity Plan for Online Delivery: A Case Study in Malaysian Private Higher Learning Institution
Nurhanim Hassan (Taylors University, Malaysia); Chee Leong Lim (Taylor's University, Malaysia); Filzah Isa (Taylor's University, Malaysia)

8:45 Pure Values of Edu-Madani Concepts
Abur Hamdi Usman, Syarul Azman Shaharuddin and Mariam Abd Majid (International Islamic University College Selangor (KUIS), Malaysia)

9:00 Halal Food Supply Chain Model: The Proposed Extension Towards the New Islamic Supply Chain Network Model Development
Adam Mohd Saifudin (Universiti Utara Malaysia (UUM), Malaysia); Ezanee Mohamed Elias and Nizamuddin Zainuddin (Universiti Utara Malaysia, Malaysia)

9:15 Game Having Adventure Genre as an Innovative Humanistic Learning Model to the Anticorruption Educational Approach in the Early Childhood Education
Iwan Hermawan and Jozef Tri Joga (Politeknik Negeri Semarang, Indonesia); R. Windiarti (Universitas Negeri Semarang, Indonesia); Inayah Inayah (Politeknik Negeri Semarang & Business Administration, Indonesia)

9:30 Social Stories for Children with ADHD
Thelma Mingoa (De La Salle University - Manila, Philippines)

9:45 Development and Validation of Reflective Thinking Questionnaire for Senior High School Students
Josephine Luz De Leon (De La Salle University & Don Honorio Ventura Technological State University, Philippines); Maricar Prudente (De La Salle University-Manila, Philippines)

10:00 Legal Consequences of Social Networking Malpractices: Users' Perspectives vs. the Reality of Cybercrime Prevention Act of the Philippines
Ivy Tarun (Isabela State University, Philippines)

10:15 Teachers' Perceptions on Using MTB-MLE in Teaching Grade 3 Mathematics
Jocelyn M Aliñaba (Division of Caloocan, National Capital Region & Mathematics Teachers Association of the Philippines, Inc., Philippines); Socorro E Aguia (De La Salle Araneta University, Philippines)

D01_ICOED_X01: DAY 1 - ICOED SESSION EXTRA 01

Room: ROOM 4 - SYAHBANDAR
Chairs: Hobri Hobri (University of Jember, Indonesia), Sheleena Soosay Nathan (Universiti Tun Hussein Onn Malaysia, Malaysia)

8:00 The Analysis on Critical Thinking Ability in Solving PISA Question, and Its Scaffoldings
Hobri Hobri, Randi Pratama Murtikusuma and Arif Fatahillah (University of Jember, Indonesia); Susanto Susanto (University of Jember & Mathematics Education, Indonesia); Septia Mustika Rini (University of Jember, Indonesia)

8:15 Development of Online Solar Observatory for Solar Learning Program Among Malaysia'S Orang Asli Community
Chen Lau (National Space Agency, Malaysia); Zahira Mohd Radzi (ANGKASA, Malaysia)

8:30 An Augmented Reality Mobile Application for Preschool Children in Learning Japanese Language
Sheleena Soosay Nathan (Universiti Tun Hussein Onn Malaysia); Mazniha Berahim (Universiti Tun Hussein Onn Malaysia, Malaysia); Azham Hussain and Nor Laily Hashim (Universiti Utara Malaysia, Malaysia); Kgheethanjaly Kathiresan (Universiti Teknikal Malaysia, Malaysia)

8:45 Improving Performance in Mathematics and Science a Case Study of High Schools in Local Municipalities of South Africa
Elisha Markus (Central University of Technology & Free State South Africa, South Africa)

9:00 Credibility of Islamic Information on Webpages: A Case Study of Prophetic Traditions (Hadith)
Mesbahul Hoque, Chowdhury (Fpqs, Usim, nilai & Usim, Malaysia); Zohdi Amin, MZM (University Science Islamic of Malaysia, Malaysia); Shumsudin Yabi (Universiti Sains Islam Malaysia, Malaysia); Adnan Mohamed Yusoff (Universiti Sains Islam Malaysia (USIM), Malaysia); Syed Najhuddin Syed Hassan (Universiti Sains Islam Malaysia, Malaysia); Tazul Islam (University Sains Islam Malaysia & Malaysia, Malaysia); Abdul Karim Toure (Fpqs, USIM, Cote d'Ivoire); Kauthar Abd Kadir and Robiatul Adawiyah Mohd (Universiti Sains Islam Malaysia, Malaysia); Muneer Ali Abdul Rab (FSU, usim, Yemen); Yuslina Mohamed Mohamed (FPBU, USIM, Malaysia); Mohd Fauzi Mohd Amin (Universiti Sains Islam Malaysia, Malaysia)

9:15 A Linguistic Analysis of Effective Speeches
Khairiah Othman and Anis Izzati Ismail (International Islamic University Malaysia, Malaysia)

9:30 Enhancing Students' Self Regulated Learning and Achievement Through Training on Metacognitive and Cognitive Strategy
Ucu Rahayu (Universitas Terbuka, Indonesia)

9:45 Multicultural Awareness and Practice Among Language Teachers
Ainon Jariah Muhamad, Engku Haliza Engku Ibrahim, Faridah Abdul Malik, Khairiah Othman and Zaleha Esa (International Islamic University Malaysia, Malaysia)

10:00 Effectiveness of Online Learning Tutorials Viewed from the Students Perspective: Case Study on Biology Education Program of Universitas Terbuka
Maman Rumanta (Universitas Terbuka, Indonesia)

D01_REEGETECH_01: DAY 1 - REEGETECH SESSION 01

Room: ROOM 3 - TEMENGGUNG

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11/28/2017

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Chairs: Muhammad Aziz Muslim (Brawijaya University, Indonesia), Keh Kim Kee (University College of Technology Sarawak, Malaysia)

8:00 **A Holistic Approach for Energy Efficiency at a GBI-Platinum Rated Malaysian University Campus**
Keh Kim Kee (University College of Technology Sarawak, Malaysia); Simon Lau Boung Yew (Xiamen University Malaysia, Malaysia); Peter Wong (Perunding Teknikal, Malaysia)

8:15 **Cascade Generator in Wind Turbine with Load and Rotation Variations in Steady State**
Erik Tridianto and Hendrik Prasetya (Politeknik Elektronika Negeri Surabaya, Indonesia); Fifi Hesty (Electronics Engineering Polytechnic Institute of Surabaya, Indonesia); Praptadi Saiputra (Politeknik Elektronika Negeri Surabaya, Indonesia)

8:30 **A Review of Legislations and Guidelines Pertaining to Construction Pollution in Malaysia and Singapore**
Nur Afrina Ahmad Halmi, Zulhabri Ismail and Nasyairi Mat Nasir (Universiti Teknologi MARA, Malaysia)

8:45 **Performance Prediction for an Adjustable Ejector Used in Air-Conditioning Systems**
Bashir Elhub and Kamaruzzaman Sopian (Universiti Kebangsaan MALAYSIA UKM, Malaysia); Sohif Mat (Universiti Kebangsaan Malaysia, Malaysia); Abd alnasir Albriki and Ammar M. Abdulateef (Universiti Kebangsaan MALAYSIA UKM, Malaysia)

9:00 **Effect of Temperature on Anaerobic Treatment of Ultrasonicated and Unsonicated Palm Oil Mill Effluent**
Lai-Peng Wong (Universiti Teknologi Petronas & Universiti Tunku Abdul Rahman, Malaysia); Mohamed Hasnain Isa (Universiti Teknologi PETRONAS, Malaysia); Mohammed Bashir (Universiti Tunku Abdul Rahman, Malaysia)

9:15 **Effects of Temperature and Equivalence Ratio on Cyclone Gasification of Furniture Waste Sawdust**
Adisa Vongsvarnrungruang (Chulalongkorn University Thailand & Faculty of Engineering, Thailand); Duangduen Atong (National Metal and Materials Technology Center, Thailand); Viboon Siricharoenchakul (Chulalongkorn University, Thailand)

9:30 **Effect of Temperature on Sorption-Enhanced H2 Production from Biomass Gasification Using Alkaline Earth Sorbents**
Teerayut Bunma (Chulalongkorn University, Thailand); Prapan Kuchonthara (Chulalongkorn University & Faculty of Science, Thailand)

9:45 **Appropriate Business Model for Electric Vehicle (EV) Rapid Charging Operations in a Smarter City**
Precila Delima (Isabela State University, Philippines)

10:00 **Performance Improvement of Magnetic Levitation Control Using ANFIS**
Muhammad Aziz Muslim (Brawijaya University, Indonesia); Ali Mustofa (Faculty of Engineering, Brawijaya University, Indonesia); Moch Dhofir (Brawijaya University, Indonesia); Slamet Wahyudi (Faculty of Engineering, Brawijaya University, Indonesia)

10:15 **Physical Properties Engine Performance and Exhaust Emission of Biodiesel Derived from Palm-Based Used Cooking Oil**
Umi Aisah Asli (Faculty of Chemical & Energy Engineering, Universiti Teknologi Malaysia, 81310 Johor Bahru, Johor, Malaysia); Nor Muhamad Mohd Siddiki, Nurfarahnah Burhanuddin and Mohd Farid Muhamad Said (Universiti Teknologi Malaysia, Malaysia); Rafiziana MdKasmani (Faculty of Chemical and Energy Engineering, Universiti Teknologi Malaysia, Malaysia); Norazana Ibrahim (Faculty of Chemical & Energy Engineering, Universiti Teknologi Malaysia, Malaysia); Aidee Kamal Khamis (Institute of Bioproduct Development, Universiti Teknologi Malaysia, Malaysia); Aziatul Niza Sadikin and Roshafima Rasit Ali (Universiti Teknologi Malaysia, Malaysia)

Tuesday, November 7, 10:30 - 11:00

Tuesday, November 7, 11:00 - 11:20
Tuesday, November 7, 11:20 - 13:00

KEYNOTE_AR4MET: Official AR4MET Keynote Address

Dr. Mohd Azli Salim (UTeM)
Room: ROOM 2 - LAKSAMANA

KEYNOTE_ICOED: Official ICOED Keynote Address

Dr. Othman Talib (UPM)
Room: ROOM 1 - BENDAHARA

KEYNOTE_REEGETECH: Official REEGETECH Keynote Address

Prof. Dr. Sevia M Idrus (UTM)
Room: ROOM 3 - TEMENGGUNG

Tuesday, November 7, 13:00 - 14:00

Tuesday, November 7, 14:00 - 17:00

D01_ICOED_02: DAY 1 - ICOED SESSION 02

Room: ROOM 1 - BENDAHARA
Chairs: Fadzidah Abdullah (International Islamic University Malaysia, Malaysia), Maricar Prudente (De La Salle University-Manila, Philippines)

2:00 4 Elements Proposed to Offer Personalized Education in the University Superior Technical Level
Arturo Rojas-López (Universidad de Salamanca, Mexico); Francisco J. García-Peñalvo (University of Salamanca, Spain)

2:15 Measuring Reliability and Validity Questionnaire of Online Social Presence: A Rasch Model Analysis
Noor Hidayah Che Lah and Zaidatun Tasir (Universiti Teknologi Malaysia, Malaysia)

2:30 Studies Suspension Prevention System of the Distance Learning Using Cloud and Big Data
KwangSik Chung (Korea National Open University, Korea); Chung Hun Lee, Yeon Sin Kim and Sang Im Jung (KNOU, Korea)

2:45 Service Learning for De La Salle University Engineering Graduate Courses
Jonathan Dungca and Joenel Galupino (De La Salle University, Philippines)

3:00 Experimenting Technology Enhancement Active Learning with Support of Mobile Device, Gamification and Augmented Reality Application
Fadzidah Abdullah (International Islamic University Malaysia, Malaysia); Mohd Hisyamuddin Kassim (Multimedia University, Malaysia); Aliyah Sanusi and Abhari Ahmat Tidjani (International Islamic University Malaysia, Malaysia)

3:15 The Effect of Online Homework in the Performance of Mathematics of Accounting and Finance Students
Celina P. Sarmiento and Minie Rose C Lapinid (De La Salle University, Philippines); Maricar Prudente (De La Salle University-Manila, Philippines)
3:30 Utilizing Lesson Study in Teaching Circles
  John Conray I Arnigo (De La Salle University & Keys School Manila, Philippines); Levi Ellipane (Philippine Normal University & De La Salle University, Philippines); Angelica Sy, Bea Secosana, Exzequel Lim, Mary Jane Manalo and Vincent Luigi Pacheco (De La Salle University, Philippines)

3:45 Mobile Augmented Reality Learning: Design Exploration Toward Student Learning Trends
  Mohd Hisyamuddin Kassim (Multimedia University, Malaysia); Fadzidah Abdullah and Aliyah Sanusi (International Islamic University Malaysia, Malaysia)

4:00 Characterizing Civility as an Antecedent of Organizational Citizenship Behavior
  Zenaida Sison (Santa Isabel College, Manila, Philippines); Antriman Orleans (Philippine Normal University & De La Salle University, Philippines); Hai Leng Chin (Universiti Malaya, Malaysia)

4:15 Science Education Research Publications in the ASEAN Region: Assessing Gaps for Future Research Directions
  Darryl Roy Montebon (Philippine Normal University, University); Antriman Orleans (Philippine Normal University & De La Salle University, Philippines)

4:30 Using Brain Gym to Enhance Kindergarten Pupils' Reading Abilities
  Maricar Prudente (De La Salle University-Manila, Philippines); Emily Cerezo (Immaculate Conception Academy, Philippines)

4:45 A Review of Informal Learning Model for Polytechnic Student
  Nor Atikah Md. Jizat (Universiti Tun Hussein Onn Malaysia, Malaysia); Jamil Abd Baser (University Tun Hussein Onn Malaysia, Malaysia); Nur Izeanty Hamidon (Universiti Tun Hussein Onn Malaysia, Malaysia)

5:00 Academic Leadership Effectiveness in the Polytechnic U
  Silvia Ambag (Polytechnic University of the Philippines, Philippines)

D01_ICOED_03: DAY 1 - ICOED SESSION 03

Room: ROOM 2 - LAKSAMANA
  Chairs: Anzar Abdullah (Universitas Pejuang Republik Indonesia, Indonesia), Mohdshahzuan Ghazalan (Universiti Tun Hussein Onn Malaysia & Universiti Tun Hussein Onn Malaysia, Malaysia)

2:00 Gamification: Enhancing Students' Motivation and Performance in Grade 10 Physics
  Ma. Kristina dela Cruz and Lydia Roleda (De La Salle University, Philippines)

2:15 Pre-Service Teachers' Mental Models of Electricity and Magnetism
  Shila Rose Sia (Philippine Normal University & De La Salle University-Manila, Philippines); Lydia Roleda (De La Salle University, Philippines)

2:30 Peer-Assessment Unpopular in the Malaysian Higher Education, Why?
  Noor Atikah Zainal Abidin, Alias Masek, Nur Sofurah Mohd Faiz and Shafizza Sahdan (Universiti Tun Hussein Onn Malaysia, Malaysia)

2:45 Framework Industrial Training Enhance Quality Generic Skills
  Mohdshahzuan Ghazalan (Universiti Tun Hussein Onn Malaysia & Universiti Tun Hussein Onn Malaysia, Malaysia); Fazlinda Ab halim, Nur Izeanty Hamidon and Normah Zakaria (Universiti Tun Hussein Onn Malaysia, Malaysia)

3:00 ESL Students' Perceptions on the Use of a Prototype Speaking Game for Malaysian University English Test (MUET)
  Charanjit Swaran, Singh and Wee Hoe Tan (Universiti Pendidikan Sultan Idris, Malaysia); Gunadevi Subramaniam (Politeknik Sultan Azlan Shah, Malaysia)
3:15 Architectural History Education: Students’ Perception on Mobile Augmented Reality Learning Experience
Aliyah Sanusi and Fadzidah Abdullah (International Islamic University Malaysia, Malaysia); Mohd Hisyamuddin Kassim (Multimedia University, Malaysia); Abhari Ahmat Tidjani (International Islamic University Malaysia, Malaysia)

3:30 ORIENTATION OF EDUCATION IN SHAPING THE INTELLECTUAL INTELLIGENCE OF CHILDREN (Analysis of the Luqman Al-Hakim Education Concept)
Anzar Abdullah (Universitas Pejuang Republik Indonesia, Indonesia); Tabrani ZA (Universitas Serambi Mekkah & SCAD Independent, Indonesia)

3:45 New Academia Learning Innovation Practices at a Malaysian University
Kamilah Radin Salim (Universiti Teknologi Malaysia, Malaysia); Rosmah Ali (Universiti Teknologi Malaysia, Malaysia); Morina Abdullah and Nor Liza Haji Ali (Universiti Teknologi Malaysia, Malaysia)

4:00 LET A Quality Control Towards K12 Curriculum Efficacy
Josephine Cristobal (Isabela State University, Philippines)

4:15 Does Active Learning Classroom Support Student Innovation Across Disciplines?
Pit Ho Patrio Chiu and Siu Wo Tarloff Im (City University of Hong Kong, Hong Kong); Dennis Y. W. Liu (The Hong Kong Polytechnic University, Hong Kong); Vincent Wong (Centennial College, Canada)

4:30 A Reflective Journey Towards Becoming Effective Early Childhood Teachers
Anne Marie Ramos (De La Salle University-Manila & Philippine Research Association for Early Childhood Education, Philippines); Teresa Yasa (De La Salle University-Manila, Philippines); Roberto Borromeo (Elizabeth Seton School, Philippines)

4:45 Improving Self-Regulation Skills of Preschool Students Through CrossFit Activities
Jasper Vincent Alontaga, Kristinelli Del Rosario and Nicole Lotilla (De La Salle University, Philippines)

5:00 The Influence of Motivation and Self-Efficacy to Technology on the Online Tutorial Achievement of Distance Education Students
Yos Sudarso (Universitas Terbuka, Indonesia)

D01_ICOED_04: DAY 1 - ICOED SESSION 04

Room: ROOM 3 - TEMENGGUNG
Chairs: Nazirah Kamal Ruzaman (Universiti Tun Hussein Onn Malaysia, Malaysia), Nasir Usman (Syiah Kuala University, Indonesia)

2:00 Teachers Stress and Coping Strategies
Ferdinand Pitagan (De La Salle University, Manila, Philippines); Thelma Mingoa (De La Salle University - Manila, Philippines)

2:15 Engagement as a Transactional Process: Initial Psychometric Properties of the Classroom Engagement Scale
Arvie Andal (De La Salle University Manila, Philippines)

2:30 The Principal’s Managerial Competence in Improving School Performance in Pidie Jaya
Nasir Usman and Murniati AR (Syiah Kuala University, Indonesia); Ramzi Murziqin (SCAD Independent, Indonesia); Tabrani ZA (Universitas Serambi Mekkah & SCAD Independent, Indonesia)

2:45 Principles, Attitudes and Processes in Doing Action Research: Perceptions of Teachers from the Philippines
Maricar Prudente (De La Salle University-Manila, Philippines); Socorro E Aguja (De La Salle Araneta University, Philippines)
3:00 Using Process Oriented Guided Inquiry Learning in Teaching Climate Change
   Honelly Mae Cascolan (De La Salle University & Pangasinan State University, Philippines); Maricar Prudente (De La Salle University-Manila, Philippines)

3:15 The Effect of School Culture, School Climate, and Transformational Leadership on Teachers Commitment
   Ganjar Mulyadi (Pelita Harapan University, Indonesia); Niko Sudibio (Universitas Pelita Harapan, Indonesia)

3:30 The Development of Public Universities Financial Sustainability Index via Lean Six Sigma Concepts
   Tan Owee Kowang and Chin Fei Goh (Universiti Teknologi Malaysia, Malaysia); Norshazwana Akmal Hanafi (Universiti Tenaga Nasional, Malaysia); Choi Sang Long (Raffles University Iskandar, Malaysia)

3:45 Inclusive Education Management in State Primary Schools in Banda Aceh
   Murniati AR and Nasir Usman (Syiah Kuala University, Indonesia); Tabrani ZA and Syahril Syahril (Universitas Serambi Mekkah & SCAD Independent, Indonesia)

4:00 Attitudes of Filipino English Teachers Toward 21St Century Philippine English Writing
   Leah Gustilo (De La Salle University, Philippines); Nimfa Dimaculangan (Laguna State Polytechnic University, Philippines)

4:15 Work in Progress: Germinal Requirement in Implementing an Android, Inquiry-Based Application in Science Education (AIBASE)
   Nazirah Kamal Ruzaman and D’oria Rosli (Universiti Tun Hussein Onn Malaysia, Malaysia)

4:30 FB Digitalating: Standard, Non-Standard, or Hybrid?
   Chenee Dino (St. Anne College Lucena, Inc., Philippines); Leah Gustilo (De La Salle University, Philippines)

4:45 A Closer Look at Philippine English Word-Formation Frameworks
   Nimfa Dimaculangan (Laguna State Polytechnic University); Leah Gustilo (De La Salle University, Philippines)

5:00 OBEdizing Mathematics Instruction Through Modular Cooperative Learning for 21st Century Education
   Freddie Cabrera (Isabela State University, Philippines)

D01_ICOED_X02: DAY 1 - ICOED SESSION EXTRA 02

Room: ROOM 4 - SYAHBANDAR
   Chairs: Noor Azyani (Universiti Tun Hussein Onn, Johor, Malaysia), Nurul Iman Kassim (Universiti Tun Hussein Onn, Johor, Malaysia)

2:00 How Supervision Program Encourage History Teachers to Promote Their Pedagogical Competence?
   Kamaruddin Kamaruddin, Isjoni Isjoni and Neni Hermita (Universitas Riau, Indonesia); Achmad Samsudin (Universitas Pendidikan Indonesia, Indonesia)

2:15 Design Elements of Learning Materials
   Nurul Iman Kassim, Noor Azyani and Ahmad Rizal Madar (Universiti Tun Hussein Onn, Johor, Malaysia)

2:30 The Effectiveness of Product-Oriented Learning Among Technical Learners with Differing Cognitive Styles and Psychomotor Skills
   Marlini Mansor (Universiti Tun Hussein Onn Malaysia, Malaysia); Ahmad Rizal Madar (Universiti Tun Hussein Onn, Johor, Malaysia)

2:45 Flipped Learning Among KPT Technical Student: The Dominant Active Learning and Dimensions
Noor Azyani, Nurul Iman Kassim and Ahmad Rizal Madar (Universiti Tun Hussein Onn, Johor, Malaysia); Abidah Ainah Binti Mohamed @ Jamal (Universiti Tun Hussein Onn Malaysia, Parit Raja, Batu Pahat, Malaysia)

3:00 The Use of Self-Regulated Learning Among University Students to Improve English Speaking
Andriansyah Andriansyah (UII Ar-Raniry Banda Aceh, Indonesia); Ayyub Abdurrahman (Universiti Sains Malaysia, Indonesia)

3:15 Construction of Constructive Guidelines Focusing on Planning Phase in System Development
Safura Adeela Sukiman (Faculty of Computer and Mathematical Sciences, Universiti Teknologi MARA Cawangan Johor, Malaysia); Mazlyda Abd Rahman (Universiti Teknologi MARA CAWANGAN JOHOR, Malaysia); Nor Abu Bakar (Universiti Teknologi MARA Cawangan Johor, Malaysia); Azrina Suhaimi (Universiti Teknologi MARA Cawangan Johor, Malaysia)

3:30 Neuro Linguistic Programming Adoption in Teaching Programming Course: A Review
Marina Yusoff, Atthirah Saharudin, Halilah Haron and Azhar Ab Wahab (Universiti Teknologi MARA, Malaysia)

3:45 An Analysis of Factors Influencing Students Performance in Programming Assessment
Marina Yusoff, Halilah Haron and Atthirah Saharudin (Universiti Teknologi MARA, Malaysia); Rosmah Abdul Latif (University Teknologi MARA, Malaysia)

4:00 Critical Education Paradigm in the Perspective of Islamic Education (a Philosophical, Pedagogical and Interdisciplinary Analysis)
Saifullah Idris (Universitas Islam Negeri Ar-Raniry, Indonesia); Tabrani ZA (Universitas Serambi Mekkah & SCAD Independent, Indonesia); Fikri Sulaiman Ismail (SCAD Independent, Indonesia)

4:15 Research Needs: Issues and Problems of Talent Working Graduates University Programmes of Engineering and Technology
Amanina Muhamad Sanusi (Universiti Tun Hussein Onn Malaysia, Malaysia); Saifullizam Puteh (Universiti Tun Hussein Onn Malaysia & UTHM, Malaysia); Nur Farha Hassan and Nan Nurul Hidayah Megat Salleh (Universiti Tun Hussein Onn Malaysia, Malaysia)

4:30 Teacher Professional Growth Using Lesson Study in the K to 12 STEM Curriculum
Sedrick Paras and Anna Liza Dela Cruz (Holy Angel University, Philippines); Levi Elipane (Philippine Normal University & De La Salle University, Philippines); Christine Joy Euperio, Joanna Marie Santos, Sharina Anne Salas and Edson Reyes (Holy Angel University, Philippines)

4:45 Instructional Design of Blended Learning with MOOCs and Social Network Analysis
Helmi Norman, Norazah Mohd Nordin and Melor Md Yunus (Universiti Kebangsaan Malaysia, Malaysia); Mohamed Ally (Athabasca University, Canada)

Tuesday, November 7, 17:00 - 17:30

Wednesday, November 8

Wednesday, November 8, 07:30 - 08:00

Wednesday, November 8, 08:00 - 10:30

D02_AR4MET_01: DAY 2 - AR4MET SESSION 01

Room: ROOM 2 - LAKSAMANA

Chairs: Muhammad Farid Shaari (Universiti Tun Hussein Onn Malaysia, Malaysia), Hong Yaw Yong (Universiti Teknologi PETRONAS, Malaysia)
8:00 A Review of the Literature on Assembly Line Balancing Problems, the Methods Used to Meet These Challenges and the Future Scope of Study
Rangith Baby Kuriakose (University of Technology & Central University of Technology, South Africa); Hermanus Vermaak (Central University of Technology, Free State, South Africa)

8:15 Numerical Simulation Analysis on Water Jet Pressure Distribution at Various Nozzle Aperture
Muhammad Farid Shaari (Universiti Tun Hussein Onn Malaysia, Malaysia); Zahurin Samad, Chong Hooi Lim and Mohad Sharizal Abdul Aziz (Universiti Sains Malaysia, Malaysia); Azrin Hani Abdul Rashid (Universiti Tun Hussein Onn Malaysia, Malaysia); Salwa Mahmood (Universiti Teknologi Malaysia, Malaysia)

8:30 Analysis of the Performance of Reverse Kinetics of Redundant Robotic Systems Applying the Pseudoinversa
Jorge S. Sánchez (Universidad de las Fuerzas Armadas, Ecuador); Nancy Velasco E., Darío José Mendoza Chipantasi, Carlos R Sánchez, Jéssica Ortiz, Víctor H. Andaluz, Miguel Villa and Elsa Pozo (Universidad de las Fuerzas Armadas ASPE, Ecuador)

8:45 Path Planning Based in Algorithm Rapidly-exploring Random Tree RRT
Jorge S. Sánchez (Universidad de las Fuerzas Armadas, Ecuador); Víctor H. Andaluz and Julio F. Acosta (Universidad de las Fuerzas Armadas ESPE, Ecuador); Leonardo Asqui (Escuela Superior Politécnica del Chimborazo, Ecuador)

9:00 Autonomous Control Technique for an Air Hockey Table
Víctor Hugo Andaluz Ortz and Mauricio Javier Mena Fonseca, Maury (Universidad de las Fuerzas Armadas ESPE, Ecuador); Cristian Ruiz, Cris (Universidad De Las Fuerzas Armadas ESPE, Ecuador); Jéssica Ortiz (Universidad de las Fuerzas Armadas ASPE, Ecuador)

9:15 Temperature Profile and Its Effects on the Location of Gas in Waxy Crude Oil: A Numerical Study
Girma Chala (INTI International University); Chan Kit Choon (INTI International University, Malaysia); Hussain Sadig (Nile Valley University)

9:30 Study of Mechanical Behavior of Free Standing Drilling Riser Under Extreme Weather Conditions
Hong Yaw Yong, Mohd Shahir Liew and Mark Ovinis (Universiti Teknologi PETRONAS, Malaysia); Kamaluddeen Usman Danyaro (Universiti Teknologi PETRONAS & Offshore Engineering Center, Malaysia); Eu Shawn Lim (Universiti Teknologi PETRONAS, Malaysia)

9:45 Control and Monitoring of Industrial Processes Through Virtual Reality
Daniel Castillo-Carrión, Roberto Miranda, Victor Hugo Andaluz Ortz and Marcelo Alvarez (Universidad de las Fuerzas Armadas ESPE, Ecuador)

10:00 Effect of Electron Effective Masses on Tunneling Current in Heterostructures Under Transverse-Longitudinal Kinetic Energy Coupling
Fatimah Noor, Dhewa Edikresnha and Khairurrijal Khairurrijal (Institut Teknologi Bandung, Indonesia)

10:15 Autonomous Cooperation Between Terrestrial and Aerial Robots
Víctor Hugo Andaluz Ortz and Jéssica Ortiz (Universidad de las Fuerzas Armadas ESPE, Ecuador); Jorge S. Sánchez (Universidad de las Fuerzas Armadas, Ecuador); Franklin M. Silva M. (Universidad de las Fuerzas Armadas, Ecuador)

10:30 Domotic Assistant of Augmented Reality
Alex Santana, Gallo, Víctor H. Andaluz, Julio F. Acosta, Orfait Ortiz, Carvajal, Veronica Luna and Mauricio Naranjo (Universidad de las Fuerzas Armadas ESPE, Ecuador)

D02_ICOED_01: DAY 2 - ICOED SESSION 01
Room: ROOM 1 - BENDAHARA
Chairs: Yumiko Abe (Hiroshima Institute of Technology, Japan), Mary Jane Bitanga (Isabela State University, Philippines)
8:00 Effects of Synchronous CSCL on Perceived Social Presence, Satisfaction, and Learning: Text Versus Video Chat Among EFL Learners
Yumiko Abe (Hiroshima Institute of Technology, Japan); Ferdinand Pitagan (De La Salle University, Manila, Philippines); Yukihiro Mashiko (Urawa University, Japan)

8:15 Characterization of Orang Asli (Indigenous) Students’ Learning Strategies as Related to Self-Efficacy
Nur Alyani Khairol Anuar and Muhammad Irfan Mokhtar (Universiti Teknologi Mara, Malaysia); Haliza A (Universiti Teknologi MARA, Malaysia)

8:30 University Core Values and Faculty Teaching Competence: The ISU Cauayan Experience
Gabriel Luna (Isabela State University, Philippines)

8:45 Assessing the Computerized Entrance Examination System Using Wetherbe’s PIECES Framework
Mary Jane Bitanga (Isabela State University, Philippines)

9:00 Work Life Balance of Working Mothers: Phenomenological Inquiry of Work and Home Lived Experiences
Mary Grace Hermogenes (Bulacan State University, Philippines)

9:15 Scientific Literacy Skills of Pre-service Physical Science Teachers of Bulacan State University - Sarmiento Campus
Arnel F Gutierrez (De La Salle University & Bulacan State University, Philippines); Maricar Prudente (De La Salle University-Manila, Philippines); Antriman Orleans (Philippine Normal University & De La Salle University, Philippines)

9:30 Multimodal Self-Expression and Conversation: A Linguistic Analysis of Facebook Posts
Krisha Camille Angoluan (Isabela State University, Philippines)

9:45 The Significant Encounter Between the Pulahanes and the Constables: The Impacts of Banditry to the Philippine Constabulary of Samar and Leyte (1901-1907)
Jessa Marie Lamug (Isabela State University- Cauayan City, Isabela, Philippines)

10:00 Applying GIS in Crime Mapping: OBE Approach in Enhancing Learners’ Way of Thinking
Betchie Aguinaldo (Isabela State University - Cauayan Campus, Philippines)

10:15 Unraveling Students' Problem-Solving Difficulty
Ryan Salviejo (Isabela State University Cauayan Campus, Philippines)

D02_ICOED_X01: DAY 2 - ICOED SESSION EXTRA 01

Room: ROOM 4 - SYAHBANDAR
Chairs: Emejdio Gepila, Jr (Polytechnic University of the Philippines, Philippines), Kanniga Malar Mohan (Graduate Research Assistant, Malaysia)

8:00 The Physico-Chemical Properties and Population Density of Univalves and Bivalves of Tributaries in the Province of Isabela
Jonathan Lord Aquino (Isabela State University, Philippines)

8:15 41 Development and Effectiveness of a Modified Educational Card Game as Supplementary Material for A Game - Based Science Learning Strategy in Understanding Chromosome Banding Nomenclature
Paul Angelo Tamayo (Isabela State University - Cauayan Campus, Philippines)

8:30 Green Business Adoption Behaviour: A Review
Kanniga Malar Mohan (Graduate Research Assistant, Malaysia); Abdullah Al Mamun and Mohamed Dahlan Ibrahim (Universiti Malaysia Kelantan, Malaysia)

8:45 Review of the Socio-Economic Impact of Micro-Credit in Malaysia
Wan Nurulasiah binti Wan Mustapa (Graduate Research Assistant, Malaysia); Abdullah Al Mamun and Mohamed Dahlan Ibrahim (Universiti Malaysia Kelantan, Malaysia)

9:00 Determinants of Pre-Start-up Behaviour Among Asnaf Millennials
Tengku Mohd Azizuddin Tuan Mahmood, Abdullah Al Mamun and Mohamed Dahlan Ibrahim (Universiti Malaysia Kelantan, Malaysia)

9:15 Understanding the Context of Lack of Interest Among Out-of-School Youth: The Experiences of Public Secondary Schools in Manila and Calamba, Laguna
Maria Caridad Tarroja, Abdul Jhariel Osman and Klarizze Valdoria (De La Salle University, Philippines)

9:30 RESEARCH SKILLS ASSESSMENT OF THE SELECTED DepEd TEACHERS IN METRO MANILA
Emejiido Gepila, Jr (Polytechnic University of the Philippines, Philippines)

9:45 The Pattern of Physics Problem Solving Between More Successful and Less Successful from Metacognitive Perspective
Marlina Ali (Universiti Teknologi Malaysia, Malaysia); Johari Surif (Universiti Teknologi Malaysia & UTM, Malaysia); Abdul Halim Abdullah (UTM & Fakulti Pendidikan, Malaysia); Nor Hasniza Ibrahim (Universiti Teknologi Malaysia, Malaysia); Corrienna Abdul Talib (University Teknologi Malaysia, Malaysia); Nornazira Suhairi, Nurbiha A Shukor, Dayana Farzeha Ali and Noor Dayana Abd Halim (Universiti Teknologi Malaysia, Malaysia)

10:00 Structural Social Capital as a Determinant Towards Millennial Entrepreneurs' Social Competency in Malaysia
Mohd Zaki Sadik (Universiti Teknologi Mara); Nur Melissa Mohammad Faisal Wee (Universiti Teknologi Mara, Malaysia); Ummi Kalsum Hassan (Universiti Teknologi MARA Melaka, Malaysia); Wan Hasmat Wan Hasan (Universiti Teknologi Mara); Fahmi Abdul Rahim (Universiti Teknologi MARA, Malaysia)

D02_REEGETECH_01: DAY 2 - REEGETECH SESSION 01
Room: ROOM 3 - TEMENGGUNG
Chairs: Waznatol Widad Mohamad Ishak (Universiti Sains Islam Malaysia, Malaysia), Nur Amalina Ramli (Universiti Sains Islam Malaysia, Malaysia)

8:00 Build Renewable Energy Management System (R-EMS) Using Mini Scada with Serial Communication
Erik Tridianto (Politeknik Elektronika Negeri Surabaya, Indonesia); Prima Dewi Permatasari (Electronic Engineering Polytechnic Institute of Surabaya, Indonesia); Mochamad Mobed Bachtiar and Putriana Rahmawati (Politeknik Elektronika Negeri Surabaya, Indonesia)

Andrew Huey Ping Tan (The University of Nottingham Malaysia Campus, Malaysia); Kim Yeow Tshai (University of Nottingham Malaysia Campus, Malaysia); Jee-Hou Ho and Eng Hwa Yap (The University of Nottingham Malaysia Campus, Malaysia)

8:30 A Review of Building Information Modelling (BIM) Documents in the Malaysian Construction Industry: Public Works Department (PWD) and Construction Industry Development Board (CIDB)
Mohamad Izani Ahmad Kamal Hasni, Zulhabri Ismail, Norfashiha Hashim and Ahmad Arzlee Hassan (Universiti Teknologi MARA, Malaysia)

8:45 An Assessment of Employees' Perceptions on Green Environmental Dimensions
Rusinah Bt Siron (Universiti Tenaga Nasional, Malaysia)
**Program for 2017 Parallel Conferences of AR4MET-ICOED-REEGETECH [AR4MET-ICOED-REEGETECH'2017]**

**11:00 A Proposed Model to Determine Public Acceptance on Willingness to Pay Maximum Demand (MD) Charge in Malaysia**
W. Muhammad Zainuddin Wan Abdullah (Universiti Sains Islam Malaysia (USIM), Malaysia); Wan Nur Rahini and Nur Amalina Ramli (Universiti Sains Islam Malaysia, Malaysia)

**9:15 A Proposed Theoretical Model to Improve Public Participation Towards Renewable Energy (RE) Development in Malaysia**
W. Muhammad Zainuddin Wan Abdullah (Universiti Sains Islam Malaysia (USIM), Malaysia); Wan Nur Rahini and Waznatol Widad Mohamad Ishak (Universiti Sains Islam Malaysia, Malaysia)

**9:30 Combined Methods to Overcome Unbalanced Magnetic Pull in Fractional Slot Electric Machines**
Tajuddin Nur (Atma Jaya Catholic University, Indonesia); Tamer Fouad (Southern Taiwan University of Science and Technology, Taiwan)

**9:45 Potential of Municipal Solid Waste (MSW) for Power Generation in Parit Raja, Batu Pahat**
Suriana Salimin (Universiti Tun Hussein Onn Malaysia, Malaysia); Muhamad Ali Zulkarnain Rosli (Universiti Tun Hussein Onn, Malaysia)

**10:00 Direct Absorption Process in an Annular Space for Innovative Solar Collector**
Amar Hameed (KTO Karatay University, Turkey); Mohammed Nawaf (University of Turkish Aeronautical Association, Turkey)

**10:15 Energy Load Profiling and Artificial Intelligence**
Jian Ding Tan (ISE, UNITEN, Malaysia); Nurzanariah Roslan (University of Tenaga Nasional, Malaysia); Kok Hen Chong, Johnny Koh and Tiong Sieh Kiong (Universiti Tenaga Nasional, Malaysia)

**Wednesday, November 8, 10:30 - 11:00**

**Wednesday, November 8, 11:00 - 13:00**

**D02_AR4MET_02: DAY 2 - AR4MET SESSION 02**

**Room: ROOM 2 - LAKSAMANA**

**Chairs:** Maria Erazo (Universidad de las Fuerzas Armadas ESPE, Ecuador), Kuan Teng Loon (Multimedia University, Malaysia)

**11:00 Active Motor Control for an Upper Extremity Exoskeleton**
Michael Manquerra (De La Salle University & Biomedical Devices and Innovation Research Group, Philippines); Paul Dominick E. Baniqued and Alexander Abad (De La Salle University, Philippines); Nilo T. Bugtai, PhD (De La Salle University, Manila Philippines & N/A, Philippines); Jade Dungao (De La Salle University Manila, Philippines); Renann Baldovino (De La Salle University, Philippines)

**11:15 Micromechanics Models of Industrial Printed Circuit Boards for Bending Analysis**
Chee Kuang Kok, Kuan Teng Loon and Ervina Efzan Mhd Noor (Multimedia University, Malaysia); Chin Chin Ooi (Motorola Solutions Sdn. Bhd., Malaysia)

**11:30 Characteristics of Magnetorheological Fluids Applied to Prosthesis for Lower Limbs**
Oscar Arteaga (Universidad de las Fuerzas Armadas ESPE, Ecuador); Maria Erazo (Universidad de las Fuerzas Armadas ESPE, Ecuador); Erick Mera, Diego Camacho, Alvaro Velasco and Héctor Terán (Universidad de las Fuerzas Armadas ESPE, Ecuador); Joanes Berasategi and M. Mounir Bou-Ali (MGEP Mondragon Goi Eskola Politekникаoa, Spain); Víctor H. Andaluz (Universidad de las Fuerzas Armadas ESPE, Ecuador)

**11:45 Composite Materials for the Construction of Functional Orthoses**
Paul Romero, Manuel León, Oscar Arteaga, Víctor H. Andaluz and Guillermo Cruz (Universidad de las Fuerzas Armadas ESPE, Ecuador)
**12:00 Force Multiplier Exoskeleton for Upper Extremity**  
Oscar Arteaga, Leopoldo Loor, Alexis Lamingo, Stalin Mena, Cristian Viera and Celiano Pulloquinga (Universidad de las Fuerzas Armadas ESPE, Ecuador)

**12:15 Kinematic and Dynamic Analysis of a Spherical Wheel Robot**  
Edwin Moreno, Balseca and Adrian Alay (Universidad de las Fuerzas Armadas Espe, Ecuador); Oscar Arteaga and Víctor H. Andaluz (Universidad de las Fuerzas Armadas ESPE, Ecuador); Carlos Carrillo (Universidad Técnica de Ambato, Ecuador); Alex Cevallos (Universidad de las Fuerzas Armadas ESPE, Ecuador)

**12:30 Improved Electrical Power of Chitosan Film in Converting Water Vapour to Electrical Power by Adding Lithium Chloride**  
Tulus Ikhsan Nasution, Muhammad Balyan, Susilawati Susilawati, Irwana Nainggolan, Siti Rahma Eka Putri and Armansyah Putra (Universitas Sumatera Utara, Indonesia)

**12:45 Active Upper Limb Orthosis for Cardiovascular Disease Rehabilitation**  
Sophia M Lasluisa, Sonia E Amancha, Jéssica M. Ramírez and Victor Hugo Andaluz Ortiz (Universidad de las Fuerzas Armadas ESPE, Ecuador)

**1:00 Automation Building for Controlling Classroom**  
Siti Sendari, Yuni Rahmawati, Waras Kamdi, Hakkun Elmunsyah, Gradiyanto Radityo Kusumo and Fauzy Satrio Wibowo (Universitas Negeri Malang, Indonesia); Toru Matsumoto and Indriyani Rachman (The University of Kitakyushu, Japan)

**1:15 Experiment of ECG Human Identification with Deep Learning Algorithm**  
Tuerxun Waili (IIUM Gombak, Malaysia); Rizal Mohd. Nor and Khairul Azami Sidek (International Islamic University Malaysia, Malaysia); Abdul Wahab Abdul Rahman (IIUM, Malaysia); Ayixiamu Litifu (Xinjiang Normal University, P.R. China)

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**D02_ICOED_02: DAY 2 - ICOED SESSION 02**

Room: ROOM 1 - BENDAHARA  
Chairs: Aszunarni Ayob (Universiti Kebangsaan Malaysia, Malaysia), Anne Marie Ramos (De La Salle University-Manila & Philippine Research Association for Early Childhood Education, Philippines)

**11:00 Motivations of Secondary Mathematics Pre-service Teachers in Choosing Mathematics Teaching as Their Career**  
Carmelo Madinno (Benguet State University, Philippines)

**11:15 Human Resource Management Program and the Motivation of Employees in the Performance of Their Duties and Responsibilities**  
Shiela Antonette Bacud (Isabela State University Cauayan Campus, Philippines)

**11:30 ESL Medical Students' Oral Proficiency - Do They Need Help**  
Faridah Abdul Malik and Khairiah Othman (International Islamic University Malaysia, Malaysia)

**11:45 The Schematic Structure in Oral Case Presentation of ESL Medical Students**  
Faridah Abdul Malik and Nor Hasni Yaakob (International Islamic University Malaysia, Malaysia)

**12:00 Content Coverage and Student Achievement: Multilevel Mediating Effect of Attitudes Towards Mathematics**  
Aszunarni Ayob (Universiti Kebangsaan Malaysia, Malaysia); Ruhizan Yasin (Faculty of Education, Universiti Kebangsaan Malaysia, Malaysia)

**12:15 TEAL Application in Training TVET Graduates to Solve the Unemployment Problem**
12:30 Retrospective Analysis of Medical Clerks' Cognitive Performance in Obstetrics and Gynecology
Alicia Felicisima Bautista (Pamantasan Ng Lungsod Ng Maynila, Philippines); Socorro E Aguja (De La Salle Araneta University, Philippines)

12:45 Phenomenology in Our Classrooms
Gabriel John Lazaro (De La Salle University Manila, Philippines); Anne Marie Ramos (De La Salle University-Manila & Philippine Research Association for Early Childhood Education, Philippines)

D02_ICOED_X02: DAY 2 - ICOED SESSION EXTRA 02

Room: ROOM 4 - SYAHBANDAR
Chairs: Christian Anthony Castillo (Faculty of College of Industrial Technology & Bulacan State University, Philippines), Normah Zakaria (Universiti Tun Hussein Onn Malaysia, Malaysia)

11:00 Epistemological Beliefs in Science of Secondary School Students' in High and Low Performing Philippine Schools
Antriman Orleans (Philippine Normal University & De La Salle University, Philippines); Brando Palomar (Philippine Normal University, Philippines)

11:15 Assessing Conceptual Understanding in Chemistry Using Representations
Ryan Lansangan (University of Santo Tomas, Philippines); Antriman Orleans (Philippine Normal University & De La Salle University, Philippines); Vic Marie Camacho (Philippine Normal University, Philippines)

11:30 Waste Management Practices of Canteen Workers: Basis for Policy Making in School
Christian Anthony Castillo (Bulacan State University, Philippines)

11:45 Project - Based Learning: Teaching Math for the Real World
Lorlyn Abe (Isabela State University, Philippines)

12:00 Career Choice Amongst Vocational Students
Normah Zakaria and Siti Norain Jaafar (Universiti Tun Hussein Onn Malaysia, Malaysia)

12:15 The Periodic PEO Review Process of the BSECE Program of De La Salle University
Gerino P Mappatao (De La Salle University, Philippines)

12:30 Course Level CQI Process in the BSECE Program of De La Salle University
Gerino P Mappatao (De La Salle University, Philippines)

12:45 Online Case-Based Problem-Solving Module in Teacher Education
Nazeera Binti Ahmed Bazari (Universiti Teknologi MARA, Malaysia)

D02_REEGETECH_02: DAY 2 - REEGETECH SESSION 02

Room: ROOM 3 - TEMENGGUNG
Chairs: Nur Farizan Munajat (Universiti Malaysia Terengganu, Malaysia), Wan Mariam Wan Muda (Universiti Malaysia Terengganu, Malaysia)
11:00 Economic Assessment of Hybrid Energy System for University Building in Terengganu
Wan Mariam Wan Muda (Universiti Malaysia Terengganu, Malaysia); Nur Ain Syuhaida Salleh (University Malaysia Terengganu, Malaysia)

11:15 Pyrolysis and Kinetic Parameters Estimations of Macroalgae Biomass (Gracilaria Multifurcata and Halymeria Durvillei) for Potential Fuel Production
Nur Farizan Munajat and Amira Nabila Roslee (Universiti Malaysia Terengganu, Malaysia)

11:30 Wireless Smart Grid Monitoring System Based on Internet of Things (IoT) via Telegram and Website
Eka Maulana, Lunde Ardhenta and Ramadhan Kurniawan Subroto (Brawijaya University, Indonesia); Panca Mudjirahardjo (Universitas Brawijaya, Indonesia); Hadi Suyono (Brawijaya University, Indonesia)

11:45 Feedforward Control of a Variable Speed Wind Turbine Power Generating System
Elisha Markus (Central University of Technology & Free State South Africa, South Africa)

12:00 A Critical Analysis of Water Resource in South Africa’s Thermoelectric Power Sector
Elisha Markus (Central University of Technology & Free State South Africa, South Africa)

12:15 Matlab Design and Power Analysis of MPPT Controller for Solar PV Using Perturb and Observation Algorithm
Ahmed Mohamed Zain (USCI University, Malaysia); Huang Shen Chua, Sunil Solanki, Albert Fong and Ammar AM Al-Talib Al-Talib (UCSI University, Malaysia)

12:30 Potential Future Heat Harvester via Thermoelectric Device Implementation
Chai Phing Chen (Universiti Tenaga Nasional & UNITEN, Malaysia)

Wednesday, November 8, 13:00 - 14:00
Wednesday, November 8, 14:00 - 17:00
D02_ICOED_03: DAY 2 - ICOED SESSION 03

Room: ROOM 1 - BENDAHARA
Chairs: Rodney T Cajimat (Nueva Vizcaya State University & De La Salle University, Philippines), Nancy Dela Cruz (Isabela State University Cauayan Campus, Philippines)

2:00 A Classroom-based Study to Address the Areas of Difficulty in Doing an Action Research
Rodney T Cajimat (Nueva Vizcaya State University & De La Salle University, Philippines); Antriman Orleans (Philippine Normal University & De La Salle University, Philippines)

2:15 Uncovering Preservice Teachers’ Perceptions and Preparedness on Working with Students of Poverty
Maricar Prudente (De La Salle University-Manila, Philippines); Aireen Barrios-Arnuco (De La Salle University, Philippines); Anne Marie Ramos (De La Salle University-Manila & Philippine Research Association for Early Childhood Education, Philippines); Voltaire Mistades (De La Salle University, Philippines)

2:30 Understanding Education Students’ Attitude and Perception on Climate Change
Lorelei Tabago (Isabela State University, Philippines)
2:45 Factors Affecting the Implementation of Science Investigatory Projects and Its Implications to the National Science and Technology Fair
Denis Dyvee R Errabo (De La Salle University & Bureau of Curriculum Development, Philippines); Rodney T Cajimat (Nueva Vizcaya State University & De La Salle University, Philippines); Antriman Orleans (Philippine Normal University & De La Salle University, Philippines)

3:00 Geogebra and Performance of Students in Plane and Solid Geometry
Nancy Dela Cruz (Isabela State University Cauayan Campus, Philippines)

3:15 3P-Student Friendly: Instructional Transformation in Boosting Creative Teaching-Learning of the 21St Century
Maziah Ahmad Marzuki (Universiti Kebangsaan Malaysia, Malaysia)

3:30 Students’ Understanding of Physics Concepts, Attitude, Engagement, and Perceptions in a Flipped Classroom Environment
Ederson Bawang (De La Salle University - Manila & Benguet State University, Philippines); Maricar Prudente (De La Salle University-Manila, Philippines)

3:45 Improving Students Learning Performance from Learning Engagement and Institutional Resources Planning
Tao-Ming Cheng, Hsing-Yu Hou, Sung-Chi Hsu, Dinesh Agrawal, Rung-Ching Chen and Mei-Ling Liu (Chaoyang University of Technology, Taiwan)

4:00 Socio-Cultural Development Among the Agtas of Palanan, Isabela, Philippines
Genalyn Capelo (Isabela State University, Philippines)

4:15 Full-day Early Childhood Education
Puji Fauziah and Sugito Sugito (Yogyakarta State University, Indonesia)

4:30 The State and Prospects of Implementation of the Right to Higher Education (PhD, DSc) for Sentenced to Imprisonment in Ukraine
Iryna Pyvovar (Institute of Criminal-Executive Service, Ukraine); Yuriy Pyvovar (National Aviation University, Ukraine)

D02_ICOED_04: DAY 2 - ICOED SESSION 04
Room: ROOM 2 - LAKSAMANA
Chairs: Maziah Ahmad Marzuki (Universiti Kebangsaan Malaysia, Malaysia), Genevieve Pillar (De La Salle Santiago Zobel School, Philippines)

2:00 The Spirituality of Effective Public School Principals in Northern Mindanao, Philippines
Nelson Tantoco (De La Salle University, Philippines)

2:15 Scientific Reasoning Skills of Grade 5 Pupils in Learning Plant Propagation Using Interactive Applications
Genevieve Pillar (De La Salle Santiago Zobel School, Philippines); Maricar Prudente (De La Salle University-Manila, Philippines); Socorro E Aguja (De La Salle Araneta University, Philippines)

2:30 Preliminary the Importance of Learning Styles in Reducing the Number of Readmission Among Cardiovascular Patients
Maziah Ahmad Marzuki (Universiti Kebangsaan Malaysia, Malaysia); Nor Na’emah Ramlee (The National University of Malaysia, Malaysia)

2:45 Study on Needs on Issues and Problems of 21St Century Skills for Graduate of Technical and Vocational Education
Nan Nurul Hidayah Megat Salleh (Universiti Tun Hussein Onn Malaysia, Malaysia); Saifulizam Puteh (Universiti Tun Hussein Onn Malaysia & UTHM, Malaysia); Nur Farha Hassan and Amanina Muhamad Sanusi (Universiti Tun Hussein Onn Malaysia, Malaysia)

3:00 The Effect of HOT-Lab to Improve Critical Thinking Skills of Prospective Physics Teachers
Adam Malik, Agus Setiawan, Andi Suhandi and Anna Permanasari (Universitas Pendidikan Indonesia, Indonesia); Neni Hermita (Universitas Riau, Indonesia)

3:15 Career Interest Inventory Need Through Technical Fields Development in Malaysia: A Review
Nur Izeanty Hamidon, Normah Zakaria and Nor Atikah Md. Jizat (Universiti Tun Hussein Onn Malaysia, Malaysia)

3:30 The Effective of Enhancing Classroom Learning Through Augmented Reality
Kunyanuth Kularbphettong and Noppares Puengpo (Suan Sunandha Rajabhat University, Thailand)

3:45 Developing Digital Parenting Program Using Blended Learning Approach
Mohamad Nizam Kassim (Universiti Teknologi Malaysia, UTM Skudai, Johore, Malaysia); Mohd Hisyamuddin Kassim (Multimedia University, Malaysia)

4:00 Teachers’ Perception on Cyber Security
Elenita Caparino (Bulacan State University, Philippines)

4:15 Middle School Preservice Teachers’ Knowledge of Division with a Remainder
Roslinda Rosli (University Kebangsaan Malaysia, Malaysia); Mary M Capraro (Texas A&M University, USA); Siti Mistima Maat (Universiti Kebangsaan Malaysia, Malaysia)

4:30 Assessment Education of Pre-service English Teachers: A Review and Recommendations for a Growth Mindset
Sterling Plata (De La Salle University, Philippines)

4:45 Risk Management Outdoor Education for Instructors and Students: Application Using Rasch Measurement
Abidah Ainah Binti Mohamed @ Jamal (University Tun Hussein Onn Malaysia, Parit Raja, Batu Pahat, Malaysia); Wan Mohd Rashid Wan Ahmad (University Tun Hussein Onn Malaysia, Parit Raja, Batu Pahat Malaysia, Malaysia); Ahmad Esa (Universiti Tun Hussein Onn Malaysia, Malaysia); Noor Azyani (Universiti Tun Hussein Onn, Johor, Malaysia)

D02_ICOED_05: DAY 2 - ICOED SESSION 05

Room: ROOM 3 - TEMENGGUNG
Chairs: Nur Intan Hasbullah (Universiti Teknologi MARA & Cawangan Negeri Sembilan, Malaysia), Bunyapa Wangwattana (Silpakorn University, Thailand)

2:00 The Importance of Augmented Reality Application for Children’s Development During Preschool Years
Nurul Maziah Mohd Barkhayat (Universiti Teknologi Malaysia); Noor Dayana Abd Halim and Noraffandy Yahaya (Universiti Teknologi Malaysia, Malaysia)

2:15 The Level of Critical Thinking Ability of Students in Solving the Question of Sequence and Series
Ervin Oktavianingtyas (University of Jember & Mathematics Education, Indonesia); Hobri Hobri, Lioni Monalisa, Saddam Hussen and Siti Rahmatillah (University of Jember, Indonesia)

2:30 Using A Collaborative Tool for Complementing Knowledge of Aromatic Herbs and Volatile Oils
Bunyapa Wangwattana and Verayuth Lertnattee (Silpakorn University, Thailand)

2:45 Using Informatics Courses to Support Learning in Herbal Medicine
Verayuth Lertnattee and Bunyapa Wangwattana (Silpakorn University, Thailand)

3:00 Students’ Experiences and Perceptions on the Use of Mobile Devices for Learning
Wan Jin and Socorro E Aguja (De La Salle Araneta University, Philippines)
3:15 Flipping Classroom to Improve Physics Teaching
   Jaypee Limueco (De La Salle University, Philippines); Maricar Prudente (De La Salle University-Manila, Philippines)

3:30 Interactive Flashcard Games: A New Approach to Enhance Human Body System
   Nur Intan Hasbullah (Universiti Teknologi MARA & Cawangan Negeri Sembilan, Malaysia); Mohd Zaini Nawawi and Nor'Aishah Hasan (Universiti Teknologi MARA, Malaysia); Sarini Ahmad Wakid (UITM, Malaysia); Ilyanie Hj Yaacob (Universiti Teknologi MARA, Malaysia)

3:45 Gender, Metacognition, and Vocabulary Learning Strategies of Malay ESL Learners
   Engku Haliza Engku Ibrahim, Isarji Sarudin and Ainon Jariah Muhamad (International Islamic University Malaysia, Malaysia)

4:00 Effectiveness of Spiral Approach in Physics Education
   Jhoanne Catindig (De La Salle University & Xavier School, Philippines); Joseph Scheiter (De La Salle University, Philippines)

4:15 Siak Culture on Teaching Material-Based Local Wisdom in Primary School: A Preliminary Study
   Eddy Noviana and Otang Kurniawan (Universitas Riau, Indonesia); Zaka Hadikusuma Ramadan and Elpri Darta Putra (Universitas Islam Riau, Indonesia); Charlina Charlina, Supentri Supentri, Sri Erlinda, Munjatun Munjatun, Gustimal Wtri, Zariul Antosa, Lazim Lazim, Zahirman Zahirman and Zulkifli Zulkifli N (Universitas Riau, Indonesia); Tuti Harwati (SD Negeri 035 Taraibangun, Kampar, Indonesia); Jumraini Jumraini (SMA Negeri 1 Pekanbaru, Indonesia)

4:30 The Impact of Speak-O-Rama Module on Developing Speaking Skills Among Primary Islamic School Children: An Exploratory Study
   Nurul Iman Ahmad Bukhari, Suhaida Omar, Atirah Izzah Che Abas, Ariezal Afzan Hassan, Wan Suzanna Aafanii Adeeba Wan Ismail, Nik Ahmad Farhan Azim@Nik and Noraini Zaini (Universiti Malaysia Kelantan, Malaysia)

4:45 Indicators of Learning Content for Equivalency Between Skill and Academic for APEL Processes
   Noraini Kaprawi and Salma Husna Abu Kusin (UTHM, Malaysia); Noor Farhah Muzaimah Mohd Amin (University Tun Hussein Onn, Malaysia)

D02_ICOED_X03: DAY 2 - ICOED SESSION EXTRA 03

Room: ROOM 4 - SYAHBANDAR
   Chairs: Najwa Hanis Azmi (Universiti Kebangsaan Malaysia, Malaysia), Otang Kurniawan (Universitas Riau, Indonesia)

2:00 Role of High School on Creating Academic Resilience Comparative Study of High School Students in Indonesia and Japan
   Siti Irene Astuti Dwiningrum (Universitas Negeri Yogyakarta, Indonesia); Puji Fauziah (Yogyakarta State University, Indonesia); Retna Hidayah and Suwarjo Suwarjo (Universitas Negeri Yogyakarta, Indonesia)

2:15 Students' Creative Thinking Skills in Solving Mathematics Olympiad Problems Based on Problem-Solving Polya and Krulik-Rudnick Model
   Mohammad Tohir (University of Jember, Indonesia); Susanto Susanto, Hobri Hobri, Suharto Suharto and Dafik Dafik (Universitas of Jember, Indonesia)

2:30 Effects of Idea Generation Module on Students' Creative Self-Efficacy
   Najwa Hanis Azmi, Shahlan Surat, Maziah Ahmad Marzuki, Ahmad Nazlim Yusoff and Saemah Rahman (Universiti Kebangsaan Malaysia, Malaysia)

2:45 Comparing Students’ Critical Thinking Elementary School in Different Area with Utilizing FIVES Strategy
   Sri Dewi Nirmala (Elementary School Teachers, Indonesia); Rahman Rahman (Universitas Pendidikan Indonesia, Indonesia); Bachrudin Musthafa (UPI, Indonesia)
3:00 Why Should Primary Teachers Develop Learning Material by Directed Reading Thinking Activity (DRTA) Strategy?: 4-D Model
Otang Kurniaman, Eddy Noviana and Charlina Charlina (Universitas Riau, Indonesia); Nugraheti Sumulyasih SB (Universitas Negeri Semarang, Indonesia); Nurma Dhona Handayani (Universitas Putera Batam, Indonesia); Neny Suharni Sofyan (Dinas Pendidikan Kota Dumai, Indonesia); Zufriady Zufriady and Elvri Septianti (Universitas Riau, Indonesia)

3:15 Can Self-Motivation Influence on Employees' Commitment Towards Building Organization? A Study Quantitative Analysis
Sumardi Sumardi and Neni Hermita (Universitas Riau, Indonesia); Achmad Samsudin (Universitas Pendidikan Indonesia, Indonesia)

3:30 The Significance of Language Motivation Learning Correlation Analyzing
M. Nur Mustafa, Hermandra Hermandra, Zulhafizh Zulhafizh and Neni Hermita (Universitas Riau, Indonesia)

3:45 Self Assessment as Evaluation Strategy of Principals Understanding in the Role of Supervisor
Isjoni Isjoni and Neni Hermita (Universitas Riau, Indonesia); Achmad Samsudin (Universitas Pendidikan Indonesia, Indonesia)

4:00 Development of Multiple Intelligent-Based Learning Model to Improve Early Childhood Students' Creativity: An ADDIE Study
Nurlita Nurlita (Universitas Riau, Indonesia); Myrnawati Crie Handini and Elindra Yetti (Universitas Negeri Jakarta, Indonesia)

4:15 Preserving Culture Wisdom of Nosialampale by Means Ethno Pedagogical Approach in Teaching of History
Misnah Misnah (Universitas Tadulako, Indonesia); Nana Supriatna (Universitas Pendidikan Indonesia, Indonesia); Moh Ali (IAIN Palu Sulawesi Tengah, Indonesia); Bau Ratu (Universitas Tadulako, Indonesia); Neni Hermita (Universitas Riau, Indonesia)

4:30 Does Social Competency Among Entrepreneurs' Effects Their Performance A Generation Y Perspective
Mohd Zaki Sadik (Universiti Teknologi Mara); Nur Melissa Mohammad Faisal Wee (Universiti Teknologi Mara, Malaysia); Ummi Kalsum Hassan (Universiti Teknologi MARA Melaka, Malaysia); Fahmi Abdul Rahim (Universiti Teknologi MARA, Malaysia); Wan Hasmat Wan Hasan (UITM, Malaysia)

4:45 Beyond Social Capital? Roles of Relational Social Capital Towards a Socially Competence Millennial Entrepreneurs
Mohd Zaki Sadik (Universiti Teknologi Mara); Nur Melissa Mohammad Faisal Wee (Universiti Teknologi Mara, Malaysia)

Wednesday, November 8, 17:00 - 17:30

Thursday, November 9

Thursday, November 9, 09:00 - 12:00

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