

Program for 2017 Parallel Conferences of AR4MET-ICOED-REEGETECH

Time	ROOM 1 - BENDAHARA	ROOM 2 - LAKSAMANA	ROOM 3 - TEMENGGUNG	ROOM 4 - SYAHBANDAR
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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	D01_AR4MET_01: DAY 1 - AR4MET SESSION 01	D01_REEGETECH_01: DAY 1 - REEGETECH SESSION 01	D01_ICOED_X01: DAY 1 - ICOED SESSION EXTRA 01
10:30 am-11:00 am	DAY01_TEA_1: TEA BREAK			
11:00 am-11:20 am	OPENING: Official Opening Ceremony by MALTESAS - Room BENDAHARA			
11:20 am-01:00 pm	KEYNOTE_ICOED: Official ICOED Keynote Address	KEYNOTE_AR4MET: Official AR4MET Keynote Address	KEYNOTE_REEGETECH: Official REEGETECH Keynote Address	
01:00 pm-02:00 pm	DAY01_LUNCH: LUNCH			
02:00 pm-05:00 pm	D01_ICOED_02: DAY 1 - ICOED SESSION 02	D01_ICOED_03: DAY 1 - ICOED SESSION 03	D01_ICOED_04: DAY 1 - ICOED SESSION 04	D01_ICOED_X02: DAY 1 - ICOED SESSION EXTRA 02
05:00 pm-05:30 pm	DAY01_TEA_2: TEA BREAK			

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	D02_AR4MET_01: DAY 2 - AR4MET SESSION 01	D02_REEGETECH_01: DAY 2 - REEGETECH SESSION 01	D02_ICOED_X01: DAY 2 - ICOED SESSION EXTRA 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	D02_AR4MET_02: DAY 2 - AR4MET SESSION 02	D02_REEGETECH_02: DAY 2 - REEGETECH SESSION 02	D02_ICOED_X02: DAY 2 - ICOED SESSION EXTRA 02
01:00 pm-02:00 pm	DAY02_LUNCH: LUNCH			
02:00 pm-05:00 pm	D02_ICOED_03: DAY 2 - ICOED SESSION 03	D02_ICOED_04: DAY 2 - ICOED SESSION 04	D02_ICOED_05: DAY 2 - ICOED SESSION 05	D02_ICOED_X03: DAY 2 - ICOED SESSION EXTRA 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

Tuesday, November 7, 08:00 - 10:30

D01_AR4MET_01: DAY 1 - AR4MET SESSION 01

Room: ROOM 2 - LAKSAMANA

Chairs: Md Ralib Aliza Aini (International Islamic University Malaysia, Malaysia), Fadhlina 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

[Fadhlina 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 Syafi'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 Syafi'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

[Nur Fajrini Matjalina](#), [Linda Lim](#) and [Lee Hoon Lim](#) (Universiti Brunei Darussalam, Brunei Darussalam); [Toru Kitamura](#) (Universiti Brunei Darussalam & Chemical Technology Corporation, Brunei Darussalam); [Ren Chong Lim](#) (Universiti Brunei Darussalam, Brunei Darussalam)

10:30 Vibrating Haptic Stimulation Glove for Virtual Reality Environments

[V́ctor H. Andaluz](#), [Edgar Borja](#), [Daniel Lara](#) and [Pablo Zambrano](#) (Universidad de las Fuerzas Armadas ESPE, Ecuador)

DO1_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); [Nadiyah 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 Mingo](#) (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 Aliñab](#) (Division of Caloocan, National Capital Region & Mathematics Teachers Association of the Philippines, Inc., Philippines); [Socorro E Aquja](#) (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), Shelena Soosay Nathan (Universiti Tun Hussein Onn Malaysia, Malaysia)

8:00 The Analysis on Critical Thinking Ability in Solving PISA Question, and Its Scaffolding

[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

[Shelena 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 Hogue, 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 Najihuddin 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

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 Sricharoenchaikul](#) (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](#), [Nurfarahin 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 Dunqca](#) and [Joanel 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 Elipane](#) (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, Philippines); [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 Borrromeo](#) (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 Mingo](#) (De La Salle University - Manila, Philippines)

2:15 Engagement as a Transactional Process: Initial Psychometric Properties of the Classroom Engagement Scale

[Arvie Andral](#) (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 Digitalking: 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 Azyanj](#), [Nurul Iman Kassim](#) and [Ahmad Rizal Madar](#) (Universiti Tun Hussein Onn, Johor, Malaysia); [Abidah Ainah Binti Mohamed @ Jamal](#) (University 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](#) (UIN 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); [Azrina Suhaimi](#) (Universiti Teknologi MARA Cawangan Johor, Malaysia)

3:30 Neuro Linguistic Programming Adoption in Teaching Programming Course: A Review

[Marina Yusoff](#), [Athirah 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 [Athirah 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 ESPE, 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

[VíctorHugo AndaluzOrtiz](#) and [Mauricio Javier Mena Fonseca](#), [Maury](#) (Universidad de las Fuerzas Armadas ESPE, Ecuador); [Cristian Ruiz](#), [Cris](#) (Universidad De Las Fuerzas Arnadas ESPE, Ecuador); [Jéssica Ortiz](#) (Universidad de las Fuerzas Armadas ESPE, 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](#), [VíctorHugo AndaluzOrtiz](#) 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

[VíctorHugo AndaluzOrtiz](#) 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 ESPE, 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: Emejdiio 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

[Emeidiio 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 Suhairom](#), [Nurbiha A Shukor](#), [Dayana Farzeeha 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 Hassian](#) (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 Moberd Bachtiar](#) and [Putriana Rahmawati](#) (Politeknik Elektronika Negeri Surabaya, Indonesia)

8:15 A Conceptual Framework for Assessing Malaysia's Water, Energy and Food (WEF) Security Nexus

[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)

9:00 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 ESPEL, Ecuador), Kuan Teng Loon (Multimedia University, Malaysia)

11:00 Active Motor Control for an Upper Extremity Exoskeleton

[Michael Manguerra](#) (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 ESPEL, 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 Politeknikoa, Spain); [V́ctor 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](#), [V́ctor 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 Pulloquina](#) (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 [V́ctor H. Andaluz](#) (Universidad de las Fuerzas Armadas ESPE, Ecuador); [Carlos Carrillo](#) (Universidad T́cnica 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](#), [J́ssica M. Raḿrez](#) and [V́ctorHugo AndaluzOrtiz](#) (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)

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

[Nur Farha Hassan](#) (Universiti Tun Hussein Onn Malaysia, Malaysia); [Saifullizam Puteh](#) (Universiti Tun Hussein Onn Malaysia & UTHM, Malaysia); [Amanina Muhamad Sanusi](#) and [Nan Nurul Hidayah Megat Salleh](#) (Universiti Tun Hussein Onn Malaysia, Malaysia)

12:30 Retrospective Analysis of Medical Clerks' Cognitive Performance in Obstetrics and Gynecology

[Alicia Felicisima Bautista](#) (Pamantasan Ng Lungsod Ng Maynila, Philippines); [Socorro E Aguia](#) (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 Bazarj](#) (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 *Halymenia 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 [Ramadhani 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](#) (USCI 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); [Saifullizam 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 Kularbphetong](#) 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 Barkhaya](#) (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 Understanding of Human Body System

[Nur Intan Hasbullah](#) (Universiti Teknologi MARA & Cawangan Negeri Sembilan, Malaysia); [Mohd Zaini Nawahwi](#) 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 Kurniaman](#) (Universitas Riau, Indonesia); [Zaka Hadikusuma Ramadan](#) and [Elpri Darta Putra](#) (Universitas Islam Riau, Indonesia); [Charlina Charlina](#), [Supentri Supentri](#), [Sri Erlinda](#), [Munjiatun Munjiatun](#), [Gustimal Witri](#), [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 5 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 Kurniaman](#) (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 Kurniawan](#), [Eddy Noviana](#) and [Charlina Charlina](#) (Universitas Riau, Indonesia); [Nugraheti Simulyasih SB](#) (Universitas Negeri Semarang, Indonesia); [Nurma Dhona Handayani](#) (Universitas Putera Batam, Indonesia); [Neny Suharni Sofyan](#) (Dinas Pendidikan Kota Dumai, Indonesia); [Zufriady Zufriady](#) and [Elvrin Septyanti](#) (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 Hassian](#) (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