

ICSTEM2018 Parallel Session and Poster Presentation Schedule

Parallel Session Schedule

3 October 2018 (8.30 am - 10.30 am)

Parallel Session 1 Theme: Education Technology Venue: Ballroom	
Authors	Title
*Azlina Rahman, Hasnah Mohamed, Zaleha Abdullah, Norasykin Mohd Zaid and Baharuddin Aris	Flipped Classroom Implementation: Any Significant Impact on Students' Performance With The Technological Applications?
Emir Nashriq Kassim, Mohd Shafie Rosli and Azri Syazwan Atan	Penerapan Kemahiran Proses Sains Menggunakan Augmented Reality
Lai Foong Yip and Nor Hasniza Ibrahim	Effect of Pro-iCo Module Towards Students' Achievements on Chemical Bonding
Mei Lan Lai and Esther Gnanamalar Sarojini Daniel	Integration of interactive whiteboard technology (IWBT) in teaching primary science
Nur Hazwani Zakaria, Fatin Aliah Phang, Mohamad Bilal Ali, Norazrena Abu Samah and Abd. Khamim Ismail	The Framework of Mobile Computer-based Physics Laboratory (MCPL) in Teaching and Learning Forces and Motion for Secondary Schools
Ikmal Hakim, Hazlina Md Yusof, Zukifli Zainal Abidin and Yasir Mohd Mustafah Mohd Mustafah	Robotic Education Impact Towards Science and Technology Learning in Higher Education
Farah Zeehan Othman, Rose Alinda Alias and Zaidatun Tasir	Mapping the Criteria of Social Cognitive Theory to provide input for In-service Teachers Digital Technology Training
Pocholo James Loresco	Portable Text Image to Filipino Braille Converter Device for Visually Impaired and Blind People

*IPEX Presenter and will need to be the first presenter for parallel session

Parallel Session 2 Theme: Research in STEM Venue: Room 1	
Authors	Title
*Cheong Boon Yau and Rose Amnah Abdul Rauf	Conceptual and Theoretical Framework for Learning Molecular Geometry using Metacognitive Strategies
*Mazlena Murshed, Fatin Aliah Phang Abdullah and Muhammad Abd Hadi Bunyamin	Applying Multiple Representations in Physics Problem Solving
Mei-Di Chen, Shang-Hsien Hsieh, Shih-Yao Lai, Mei-Mei Song and Te-Sheng Chang	Developing Curriculum Modules for an Interdisciplinary Social Design Course to Cultivate Engineering Students' Creativity
Nur Fazirah Jumari, Khairiyah Mohd Yusof and Fatin Aliah Phang	Developing Metacognitive Skills Using CPBL: Crucial Elements in Developing 21st Century Skills
Nur Adilah Abdol Samat, Nor Hasniza Ibrahim, Johari Surif dan Marlina Ali	Modul Chem-A berasaskan pendekatan STEM Dalam topik ikatan kimia tingkatan empat
Norazwina Zainol and Rozaimi Abu Samah	The Implementation of A Flipped Classroom Methodology to The Subject "Numerical Methods and Optimization" of Chemical Engineering Degree at The Universiti Malaysia Pahang
Intan Baizura A. Ghani	Maklumbalas Pelajar Terhadap Penggunaan Peta Konsep Sebagai Alat Pentaksiran Alternatif Dalam Aktiviti Pembelajaran Makmal
Syarifah Zyurina Nordin, Shariffah Suhaila Syed Jamaluddin, Fuaada Mohd Siam and Hamisan Rahmat	Persepsi Pelajar Sekolah Terhadap Subjek Matematik Tambahan
Sai Hoe Fu and Kin Eng Chin	Engage At Risk Dyscalculic Pupil To Make Sense Of Number 1 To 10: A Single Case Study In Numeracy Remedial Class In Sandakan, Sabah

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Parallel Session 3	
Theme: Policies in STEM	
Venue: Room 2	
Authors	Title
*Vikneswaran Gunahlan and Zanaton Iksan	Tahap penguasaan asas kemahiran aras tinggi guru dalam proses pengajaran dan pembelajaran
*Norlizawaty Baharin	Kualiti Guru Dalam Pendidikan Stem Di Malaysia
Mathana Amaris Fiona Sivaraman	Ethical Decision-Making among Engineering Students in a Malaysian Private Engineering School: A Qualitative Study
Ahmad Syarizal Mohd Yusoff	A study on awareness among students, teachers, school administrators and parents on the importance of STEM
Fazilah Razali, Othman Talib, Umi Kalthom Abd Manaf, Siti Aishah Hassan and Mohamad Yusri Dahrumi.	Influence of Parents' Authority Towards the Development of STEM Career Interest Among Form Four Science Students in Selangor
Nabilla Afzan Abdul Aziz, Ahmad Kamal Idris, Jazifah Jamil and Muhammad Luqman Hasan	Evaluation of Undergraduate Students on Self-Directed Learning Readiness
Aznah Nor Anuar	UTM Engineering Service Learning Program to address 21st Century Curriculum for Enhancing Collaborative Skills among Multi-discipline Undergraduates
Chin Suk Mei	Student-Centered Learning Increase Student Engagement And Help Student Develop 21st Century Skills

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Parallel Session 4	
Theme: Research in STEM	
Venue: Room 3	
Authors	Title
*Wong Ken Keong and Ng Lee Fong	Instrumentation of Early Dyscalculia Screener
Kho Ai Peng, Mohd Asri Mohd Noor and Nor Azrin Md Latip	Pengaruh Kecerdasan Pelbagai terhadap Pencapaian akademik pelajar tingkatan enam bagi subjek pengajian perniagaan di larut matang dan selama, Perak.
Norazla Mustafa, Zaleha Ismail, Mohd Nihra Haruzuan Mohamad Said and Zaidatun Tasir	Proses Penyelesaian Masalah Matematik Melalui Pendekatan STEM Bersepadu
Lee Saw Im	Blue Green White
Norazlina Ismail, Zaitul Marlizawati Zainuddin, Arifah Bahar, Shariffah Suhaila Syed Jamaludin, Zainal Abdul Aziz, Rohanin Ahmad, Zarina Mohd Khalid and Chin Wan Yoke	Generic Skills Assessment on Critical Thinking and Problem Solving Skills among UTM Undergraduate Students
Marlina Ali, Abdul Halim Abdullah, Johari Surif, Corrienna Abdul Talib, Nor Hasniza Ibrahim and Norulhuda Ismail	STEM Outreach Program: An evaluation on students' perspective towards STEM engagement
Syed Ahmad Helmi Syed Hassan and Khairiyah Mohd Yusof	Memperkasakan Pelaksanaan Pembelajaran STEM Abad Ke 21: Panduan Sistematis dan Mudah
Salina Abdullah Sangguro and Johari Surif	A Conceptual Framework for enhancing Problem Solving Skills in Chemistry

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Poster Presentation Schedule

Day 1: 2 October 2018 (12.00 am - 13.00 pm)

Session 1	
Authors	Title
Lohgheswary Nagarethnam, Zulkifli Mohd Nopiah and Haliza Othman	Data Processing Method Using Rasch Model
Mohamad Nizam Arshad and Norhapidah Mohd Saad	Mastering Reasoning Skills In Learning Differentiation Using The Marzano's Strategy
Mak Fong	Collaborative Lesson Research on Area of Trapezium
Usman Galadima, Zaleha Ismail and Norulhuda Ismail	Research on Pre-service Teachers in Integrated STEM Education from 2000-2018: A systematic Review
Rubiah Dalail and Hanizah Hamzah	Form 5 Mathematics Performance: Self-Assessment by Teachers and Students
Nurul Hazlina Noordin	Community Outreach Programs by UMP STEM Lab: The Beginning
Zurina Yasak and Maizam Alias	Technology aided learning: Worth or worthless?
Anis Diyana Halim	Kefahaman Konsep Haba di Kalangan Pelajar Sekolah Berasrama Penuh
Poomagal Magal	Using Kahoot! In the Classroom
Aisha Mahmood, Yudariah Mohammad Yusof and Mohd. Fauzi Othman	Making Sense of my Reflective Practice: A journey from practice to praxis
Aisha Mahmood	Integrating Design Thinking with Inventive Problem Solving: Redesigning the way we Train Future Engineers
Zulkifili Saleh	Learning Study: Sharpening Skills and Abilities of Mathematics Teachers In STEM Initiative
Yusri Hakim Yeop, Zulaiha Ali Othman, Siti Norul Huda Sheikh Abdullah, Umi Asma' Mokhtar, Wan Fariza Fauzi and Nazilah Ahmad Arifin	Cyber Security Policy In School : Main Factors BYOD In Schools
Gan Lui Nam	Research programme in form six education
Nor Farahwahidah Abdul Rahman and Fatin Aliah Phang Abdullah	Modeling Educational Background and Teaching Experienced of Physics Teachers with the Nature of Science (NOS) Understanding

Day 2: 3 October 2018 (10.30 am - 11.00 am)

Session 2	
Authors	Title
Nur Fazirah Jumari, Khairiyah Mohd Yusof and Fatin Aliah Phang	Kepentingan Kemahiran Metakognitif untuk Kecemerlangan Pelajar di Abad ke-21
Sue-Mian Then, Anusha Nawoor, Kang Nee Ting, Kim Soon Chong and Kok Beng Gan	Introducing "Personalised Medicine" concept as Enrichment to Form 5 Biology Syllabus by Using an Easy to Operate Mobile Genetic Detector
Nor Ain Husein, Fatin Aliah Phang and Nor Farahwahidah Abdul Rahman, Chandren Sheela, Kkasim Nabilah, Sapongi Husni Hani Jameela	"Jelajah Sains" Program to Enhance Science Learning through Informal Science Learning
Muslimah Shawan, Mohd Salleh Abu and Sharifah Osman	Strategies to Solve Mathematical Non-Routine Problems
Kamilah Radin Salim, Morina Abdullah, Noor Hamizah Hussain, Rosmahaida Jamaludin, Sahnius Usman, Mohd Nabil Muhtazaruddin, Shamsul Sarip and Nurul Huda Ahmad	Students' Interest in Learning Science
Fatin Aliah Phang, Nor Ain Husein and Sheela Chandren	Reasons for Students to Continue Study Physics
Mohd Bakri Bakar and Zaiton Abdul Majid.	Gambaran Laporan dan Polisi dalam Pembangunan Bakat dan Pendidikan STEM Negara
Diyana Jamari and Hasnah Mohamed	Case-Based Learning and Metacognitive Scaffolding on Social Media: The Student's Problem Solving Process
Nur Hidayah Abd Gapar, Zaleha Ismail and Yudariah Mohammad Yusof	Teachers' Conceptions of Assessment and Assessment Practices in Mathematics at Secondary Schools
Nina Diana Nawi, Fatin Aliah Phang, Khairiyah Mohd Yusof, Nor Farahwahidah Abdul Rahman, Syed Ahmad Helmi and Azmahani Abd Aziz	Developing the 21 st Century Skills through STEM Education using Cooperative Problem-Based Learning among School Students
Asmahan Al Safwan	The Arab Culture Model of Conceptual Change
Siao Siu Law, Hairunnisak Alimun and Nor Hasniza Ibrahim	Differentiated Instruction Through Content – A Lesson Plan On Alternate Segment Theorem Mathematics Form 4-r
Khamawiyah Suradi, Nor Suhailah Mohd. Nor, Siti Hajar Ramzan, Nor Asidah Ali, Fatin Aliah Phang and Khairiyah Mohd Yusof	Crafting STEM Problems for Problem-Based Learning Classes
Mohd Shah Sahri and Syed Ahmad Helmi	Effect of Virtual and Augmented Reality (VAR) as Teaching Tools to Enhance Students' Learning and Spatial Knowledge in STEM Education – An Overview
Nur Nazuha Beevi Abdul Aziz	Module of Efficacy in English Teaching for Early Childhood Education Teacher (MEET-EceT) through Pilot Study