

**The 5<sup>th</sup> International Conference on Management, Engineering, Science, Social Science  
and Humanities (iCon-MESSSH'20)**  
**August 14-15 2020**  
**Penang, Malaysia**

In the sequence of international conferences started from 2016, the Society for Research Development (SRD) organized its 5<sup>th</sup> International Conference on Management, Engineering, Science, Social Science and Humanities (**iCon-MESSSH'20**) in Penang, Malaysia dated August 14<sup>th</sup>– 15<sup>th</sup> 2020. The international conference was virtual in nature due to global pandemic. All the participants across the globe presented their research work through online presentation on WebinarJam, which was indeed a learning experience for all the attendees.

The aim of the conference was to create space for educators and researchers around the globe presentation for sharing knowledge and discussion on current issues in their respective fields. The conference being inter and multi-disciplinary encourage and motivate young scholars to exchange ideas, knowledge and experience in the field of Management, Engineering, Science, Social Science and Humanities.

The Day-I began with an **Inaugural Session** followed by 4 Sessions chaired by Professors, Academicians from across the globe began. The session started with the Welcome Address of Prof. R. C. Singh an eminent Professor of Physics, President of SRD. The two-day conference was divided in Six sessions chaired by the eminent Professor of the disciplines. The session encompasses the Key Note Address of Dr. Chong Hon Yew, President (Astronomical Society of Penang), Penang, Malaysia on **“Bringing Universe Appreciation, Astronomy Fun and Astronomy Career Prospects to Astronomy Enthusiasts”** and Two Invited Talk amongst which first was delivered by Dr. Venus C. Ibarra, Dean MBA/DBA, San Pablo Colleges, Philippines on **“Environmental Innovations”** and second on by Prof. Yoon-Fah Lay, Universiti Malaysia Sabah, Malaysia on **“Structural Equation Modelling (SEM) Approach in Educational and Psychological Research”**. The Inaugural Session was concluded with Vote of Thanks extending by Dr. Rohit Khokher, researcher, speaker and Secretary SRD.

First Session on Day-I was Chaired by Dr. Ryohei Miyadera, Kwansai Gakuin High School, Uegahara Nishinomiya Hyogo, Japan and he delivered his session overview on **Computational Mathematics - Research and Education** followed by presentations of research papers by different researchers of Research & Education. The session was followed by Three Invited Talk by distinguished Professors: First Talk was delivered on **“Modern Era of Computation”** by Prof. (Dr.) M. P. Singh IET, Dr. B. R. Ambedkar Univ. Agra, India, Second was by Prof. Leong, Wai Yie, Mahsa University, Selangor, Malaysia on **“Artificial Intelligence - A Modern Approach.”** and Third Talk was on the topic **“New Norma - Teachers Approach for Remote Learnings”** by Dr. Suhaidah Tahir, Ex. Director, SEAMEO, RECSAM, Penang, Malaysia followed by presentations of research papers by different researchers.

**Second Session** was Chaired by *Dr. Awangku Hassanal Bahar Pengiran Bagul*, Associate Professor and Research Fellow of Faculty of Business, Economics and Accountancy, Universiti Malaysia Sabah, Malaysia. He delivered his session overview on Business, Economics and Tourism. In the session Invited Talk was delivered on “*Harnessing Local Potential to Enrich STEM Education*” by Dr. R. Indarjani, The Islamic University of As-syafi’iyah, Jakarta, Indonesia. The session was followed by the Paper Presentation by researchers on the theme of the session.

**Session-3** was Chaired by Dr. Corrienna Abdul Talib, President of the Association of Science and Mathematics Education, Universiti Teknologi Malaysia, Johor, Malaysia. She addressed the session on the theme of *Computational Thinking, Digital Technology & Engineering Education* followed by an Invited Talk on “*Mathematics Curriculum Review by Advancing the Use of Learning Design Map*” by Dr. Maman Fathurrohman, Department of Mathematics Education, Universitas Sultan Ageng Tirtayasa, Indonesia. The paper presentation was delivered on the pre decided theme.

**Session 4** was Chaired by Dr. Murugan Rajoo, Training Programme Division, SEAMEO RECSAM, Malaysia. He presented his session overview on “*Computational Thinking in Mathematics Education*” followed by the presentation on the theme by researchers of the respective area.

On Day-I of *iCon-MESSSH’20*, total 6 Invited Talks and 27 Research Papers were presented by the experts of the diverse academic background.

On Day-II, the Session 5 of the International Conference *iCon-MESSSH’20* was followed by Two Sessions of paper presentations and Valedictory Function. The First Session was Chaired by Prof. (Dr.) Ong Eng Tek, Universiti Pendidikan Sultan Idris, Malaysia. He shared his view on the theme of his session “*Pedagogy and Teacher Education*” along with Invited Talk on “*Transformative Education and Climate Change*” by Prof. Lilia Halim, Faculty of Education, Universiti Kebangsaan Malaysia, Malaysia and by Prof. Peter Chew, Biochemist and Global Analyst, PCET, Penang, Malaysia *Effective Prevention Strategies to Reduce Spread of COVID-19*”. In this session 10 research papers were presented by the educators from diverse academic background.

**Session 6**, On “*Multidisciplinary*” theme was Chaired by Dr. Rajendra Kumar, an eminent Professor of Computer Science & Engineering and Vice President SRD followed with 4 Invited Talks. First talk was delivered on “*Technology based Human Values integrated Sustainable Education*” by Prof. Suma Parahakaran, Wawasan Open University, Georgetown, Pulau

Pinang, Malaysia , Second by Dr. Wan Wardatul Amani Wan Salim, Department of Biotechnology Engineering (BTE), Faculty of Engineering, IIUM, Gombak, Kuala Lumpur, Malaysia on “*Nanomaterial-Modified Electrodes for Biosensing*” Third Invited talk “*Reinventing Education in Digital Age during COVID19* ” was by Dr. Gunjan Jain, Sharda University, Uzbekistan, Fourth Talk was on “*Social Entrepreneurship*” by Ms. Careemah Choong, Academic Director, School for International Training (SIT), World Learning, Malaysia, along with 12 Paper Presentation by the presenters of the multidisciplinary areas.

The Colloquium on “*Enhancing Stem Literacy Considering Reading and Arts: The Recent Initiative of MOE Malaysia*” by Dr. Ihsan Bin Ismail, Kementerian Pendidikan Malaysia (Ministry of Education Malaysia), Malaysia was addressed in the same session.

Dr. Khar Thoe, Specialist R&D Division, SEAMEO, RECSAM, Penang, Malaysia addressed the session. The **Best Paper Award** was declared on the parameters of Presentation Content, Organization and Flow, Visual Aid / Posture Appearance, Delivery, and Ability to Answer was solely on the discretion of the session chair.

| <b>Session 1</b>                                | <b>Session 2</b>              | <b>Session 3</b>  | <b>Session 4</b>                                 | <b>Session 5</b>             | <b>Session 6</b>       |
|---|-------------------------------|---|--|------------------------------|------------------------|
| Computational Mathematics- Research & Education | Business, Economics & Tourism | Computational Thinking, Digital Technology, & Engineering Education | Computational Thinking in Mathematical Education | Pedagogy & Teacher Education | Multidisciplinary      |
| <b>Yuji Sasaki</b>                              | <b>Tshin Lip Vui</b>          | <b>Marlina Ali</b>  | <b>Gayatiri Balasubramanium</b>                  | <b>Norwaliza Abdul Wahab</b> | <b>Lukman Nulhakim</b> |

The conference proceeding is published with ISBN: 978-93-5408-451-5. The papers presented will be sent for online publication in *Special Issue of Solid State Technology Journal* (Scopus Indexed Journal).

Dr. Rajendra Kumar, Vice President of SRD proposed a Vote of Thanks to all delegates, Organizing and Technical Committees for smooth conduct and huge success of *iCon-MESSSH’20*. The minutes of two-day Conference was delightfully and pleasingly managed by an active member of the Society Dr. Gunjan Jain.

-SRD