

## **Summary of CoSMEd-X**

The 10th International Conference on Science & Mathematics Education (CoSMEd-X) was held at SEAMEO RECSAM in Penang, Malaysia, from 30<sup>th</sup> October to 2<sup>nd</sup> November, 2023. Mr. Richard Chung (General Manager of PENANG STEM) and Centre Director Dr. Shah Jahan Bin Assanarkutty inaugurated the conference.

The conference theme was 'Reigniting the Passion for Innovative Science and Mathematics Teaching in a VUCA World'. The Pre-conference Workshop of CoSMEd-X 2023 began on 30<sup>th</sup> October 2023. Six workshops were held during the sessions, with Dr. Janchai Yingprayoon and Dr. Graham Walker leading the science workshops, Dr. Wanty Widjaja and Dr. Fong Ho Kheong leading the mathematics workshop, and Prof. Kenneth Phoenix Quah and Dr. Mark Tee leading the technology workshop.

The conference featured notable keynote speakers who shared insightful information about the conference theme. Dr. Janchai Yingprayoon presented about "Education for an Unknown VUCA World," and Dr. Wanty Widjaja spoke about "Fostering Teachers' Adaptive Expertise in Teaching Interdisciplinary Mathematics and Science." Dr. Fong Ho Kheong delivered a speech titled "Empower Your Critical Thinking: The Path to Achieve Innovation, Creativity, and Success". With his science circus and presentation on "Getting All Emotional About Science Communication and Teaching," Dr. Graham Walker captivated the audience. Dato' Dr. Mehander Singh delivered the final Keynote lecture on "Developing Teacher Leadership in Schools."

The conference received 86 abstracts for oral presentations and 23 full paper submissions, which were presented over the conference's four parallel sessions. Six distinguished external judges were present for all parallel sessions to evaluate, comment on, and select the best presentation. Participants had the chance to engage in the parallel sessions, which promoted networking among attendees and provided an extensive discussion of particular subjects. For the best presenter award, top three oral presenters were selected based on the judging process. One platinum award, one gold award, and two silver awards were presented in the full paper award category. The rest of the full papers received bronze awards.

Overall, the CoSMEd-X was a huge success, providing as a platform for meaningful discussions, knowledge exchange, and networking. We believe the knowledge acquired will be very helpful in our continued efforts to confront and conquer the difficulties in teaching science and maths in a VUCA world!