

2ND INTERNATIONAL SYMPOSIUM ON SYSTEMS MODELLING AND SIMULATION 2026

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PUTRAJAYA, MALAYSIA

Organised by: 




With the aim of enhancing and disseminating frontier and the latest knowledge in modelling and simulation, MSS proudly organised the Second International Symposium on Modelling and Simulation (SMS 2026), held on 4-5 May 2026.

SMS 2026 focused on important topics in modelling and simulation related to current and emerging technologies. The symposium was chaired by Assoc. Prof. Ts. Dr. Herman Wahid.

The symposium explored three main tracks:

- Trends in Engineering and Computing;
- Modelling and Simulation for Digital Transformation; and
- Intelligent Systems and Applications.

The symposium featured keynote speech by Dr. Hairi Zamzuri from eMooVit Technology Sdn. Bhd. titled AV Technology Overview: Design and Testing.



This year, we received a total of 56 paper submissions. Following a rigorous review process, 24 papers were selected for oral presentation, resulting in an acceptance rate of 43%. Of these, 15 papers were from Malaysia, while the remaining contributions came from Indonesia, Nigeria, Japan, France, Germany, Ecuador, and the USA. We were truly privileged to bring together such a rich diversity of perspectives and expertise.



The accepted and presented papers were published in the Communications in Computer and Information Science (CCIS) series by Springer prior to the symposium. The CCIS series was indexed and abstracted in major databases, including EI Compendex, DBLP, INSPEC, the Japanese Science and Technology Agency (JST), the Norwegian Register for Scientific Journals and Series, Google Scholar, zbMATH, SCImago, and Scopus.

SMS 2026 was a successful event, and the organizing committee looked forward to achieving even greater success in future editions of the symposium.

Event 2:



From Theory to Reality: Projectile Launcher Competition in Engineering Mechanics

The Projectile Launcher Competition was conducted as part of the SKEM 1113 Engineering Mechanics course for the 2025/2026-2 academic session. Designed to give students an opportunity to apply the theory of Projectile Motion learned in class to a real-life engineering application, the hands-on activity encouraged them to translate theoretical concepts into practical solutions while developing their design, problem-solving, teamwork, and analytical skills. A total of 192 students, comprising 39 groups from six sections of SKEM 1113 Engineering Mechanics, took part.



The activity began with a design stage, in which students designed a projectile launcher based on the principles of Engineering Mechanics, capable of propelling a ping pong ball toward a specified target distance. This required them to consider parameters such as launch angle, velocity, distance, and the physical characteristics of their launcher. Students then developed their ideas into working prototypes, gaining hands-on experience in transforming an engineering concept into a functional system.

Once the prototypes were completed, students carried out testing sessions to evaluate performance, refining their designs and adjusting parameters to improve the accuracy and consistency of the projectile trajectory. In the final stage, the completed prototypes were put to the test in the competition itself, giving students an exciting platform to demonstrate their understanding of projectile motion and their ability to apply engineering principles to a practical problem, while experiencing firsthand the iterative nature of engineering: designing, testing, evaluating, and improving.

The competition was coordinated by Prof. Ir. Ts. Dr. Zaharuddin Mohamed, Ts. Dr. Noorhazirah Sunar, and Dr. Mohd Saiful Azimi Mahmud. Overall, it successfully bridged the gap between classroom theory and practical engineering application, demonstrating that Engineering Mechanics is not only about understanding equations and principles, but also about applying knowledge to design, develop, test, and improve real-world engineering solutions.