

E²Waves

The Official Newsletter of PKE UiTM CPP



Engineering Beyond Borders

Exploring Semiconductor Innovation at SUSTECH and Shenzhen, China

This feature highlights an international academic and industry engagement that provided participants with valuable hands-on exposure to advanced semiconductor research and manufacturing. Through experiential learning at the Southern University of Science and Technology (SUSTECH) and technical visits to leading semiconductor companies in Shenzhen, the program bridged classroom knowledge with real-world engineering practices, offering meaningful insights into global semiconductor advancements and professional engineering environments.

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FKE Highlights Academic Excellence in Collaboration with Universitas Negeri Malang

By : Norsabrina Sihab & Assoc. Prof. Ir. Ts. Dr. Samsul Setumin



KOTA MALANG - The Faculty of Electrical Engineering (FKE) further strengthened its international collaborative network with Universitas Negeri Malang (UM), Indonesia, through academic engagement. Associate Professor Ir. Ts. Dr. Samsul Setumin was invited as a speaker at the International Workshop on *“Data Science in Digital Finance and Actuarial Science,”* held from 12 to 15 November 2025. The program was fully sponsored by the Faculty of Mathematics and Natural Sciences (FMIPA), Universitas Negeri Malang (UM), Indonesia.

During the program, Dr. Samsul delivered a talk titled *“Introduction to Data Science”* to students and staff. The session provided exposure to essential data science principles, including the data science lifecycle, analytical processes, machine learning for predictive modelling, and applications of regression and time-series forecasting within actuarial contexts. The workshop served as a platform for meaningful knowledge exchange aligned with current industry needs in digital finance and analytics.

In addition to the workshop, Dr. Samsul participated as a guest co-lecturer in a collaborative teaching session on current topics in Machine Learning, focusing on *“Current Topics in Machine Learning: Emerging Trends and Applications in Deep Learning”*. Through practical examples and interactive discussions, the session not only strengthened undergraduate students' understanding of contemporary machine learning applications but also encouraged them to explore ML-based themes for their final-year projects and future postgraduate studies.

In the final agenda of the program, Dr. Samsul contributed as an academic advisor in reviewing the proposed curriculum for the Bachelor of Data Science and Computing Program at UM. His professional insights helped UM shape the framework of the new programme, including the integration of data science and operations research, ensuring that graduates are equipped with competencies relevant to a data-driven and digitally transformed world.

This collaboration is expected to continue in the future, inspiring academic excellence within the FKE community and further strengthening UiTM's regional and international academic presence.

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