

PREFACE

The 2nd International Conference on Applied Sciences and Smart Technologies (InCASST 2025) engages a theme of "Innovating for Sustainability: Digitalization, Green Energy, and Achieving Energy Independence for a Greener Future". The scope of the conference covers green technologies, environmental developments, and also digital societies. This event addresses various perspectives on how digital innovation in the green energy sectors change the global landscape towards energy independence and support more sustainable development. Accordingly, worldwide academics and practitioners were invited to either share their insights or exchange their ideas.

The dissemination of the ideas was expanded and became particular contribution to be offered in solving various problems, and earning the better quality of life. The initiation of the ideas was engaged by four distinguished keynote speakers, i.e. Professor Thomas Götz (Dept. of Mathematics, University of Koblenz-Germany), Prof. Dr. Kavita Sonawane (Dept. of Computer Engineering, SFIT, University of Mumbai-India), Ishak Hilton Pujantoro Tnunay, Ph.D (Beehive Drones/PT. Aerotek Global Inovasi-Indonesia), and also Andreas Prasetyadi, Ph.D. (Dept. of Mechanical Engineering, Universitas Sanata Dharma-Indonesia).

To overcome highly scientific impacts, and achieve a reputable scientific dissemination, a scientific board which is reliable and of high-caliber in the scope of conference was established. The determination of member of board was carefully carried out to meet the relevance to the scope of the conference. It further covers international members from several countries.

In addition, considering that publishing scientific papers involves several key steps to ensure the works are effectively presented, and reaches the intended audiences, series of procedures were carefully conducted during papers' review and selection. They cover contextual reviews of the received abstracts, editorial screening of its basic compliance and relevance, comprehensive reviews to address criteria of well-structured scientific manuscripts that must include clear introduction, methodology, results, discussions, and references. To overcome this hierarchal stages, a series of smart works were properly carried out by Prof. Peerapong Uthansakul, Ph.D., Dr. Eng. Ir. I Made Wicaksana Ekaputra, and Ir. Damar Widjaja, Ph.D.

Moreover, a smooth collaboration has been well established between Universitas Sanata Dharma and several other institutions as the co-hosts, i.e. Universitas Prasetiya Mulya, Universitas Surabaya, Universitas Pignatelli Triputra and also Universitas Atma Jaya Yogyakarta. Here also, a collaborative works with PT. Wijaya Kusuma Contractors was exhibited during this conference.

All in all, this prestige event was well organized by a generous team with a high commitment and rigorous determination. This committee was also fully supported by Faculty of Science and Technology, Universitas Sanata Dharma-Indonesia. We do hope future collaborations can be enhanced in pursuing the better world.

Yogyakarta, October 15th, 2025
Organizing Committee of InCASST 2025