



In collaboration with



COMSATS-ITS Conference 2026

EMERGING TECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT



JUNE 10, 2026



Institut Teknologi Sepuluh Nopember
Surabaya, Indonesia



OPENING REMARKS



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Rector
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Executive Director COMSATS



Prof. Liu Weidong

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KEYNOTE SPEAKER



Dr. Fauzan Adziman, S.T., M.Eng.
'to be confirmed'

Director General of Research and
Development, The Ministry of Higher
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ABOUT THE CONFERENCE

Rapid advances in science and technology are transforming economies and societies worldwide. Emerging technologies such as artificial intelligence, biotechnology, renewable energy, and digitalization play an important role in addressing global challenges, including climate change, food and water security, and public health.

To support sustainable development and strengthen international collaboration, the Commission on Science and Technology for Sustainable Development in the South (COMSATS) and Institut Teknologi Sepuluh Nopember proudly organize the COMSATS-ITS Conference on Emerging Technologies for Sustainable Development.

TARGET PARTICIPANTS

**Researchers • Academicians •
Young Scientists • Policymakers •
Government Officials • Industry
Representatives • Innovators •
International Organizations**

Why Participate?

- Present your research to an international audience
- Connect with researchers, policymakers, and innovators
- Explore international collaboration opportunities
- Engage in discussions on emerging technologies and sustainability
- Build academic and research networks across COMSATS member states

Conference Themes

- AI, Big Data, and Digital Transformation
- Renewable Energy, Energy Storage, and Green Technologies
- Climate Change Mitigation, Adaptation, and Environmental Technologies
- Water, Food, and Agricultural Technologies for Resource Security
- Biotechnology, Health Technologies, and Bio-innovation
- Advanced Materials, Nanotechnology, and Industrial Innovation
- STI Policies, Innovation Ecosystems, and Technology Governance in Developing Countries

Golden Ticket Opportunity

Selected authors of **accepted full papers submitted in 2026** may be invited by Institut Teknologi Sepuluh Nopember to **participate in collaborative academic activities in 2027**, including joint research collaboration, guest lectures, research discussions, academic networking, and staff mobility programs.

IMPORTANT DATES

Abstract Submission Deadline : June 5, 2026

Conference Date : June 10, 2026

SUBMISSION & PARTICIPATION

Presentation Format : Oral Presentation

Conference Website



CONTACT INFORMATION

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SUSTAINABLE DEVELOPMENT



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SPEAKERS



Prof. Lin Zhaohui

Director, International Centre for
Climate and Environment Sciences
(ICES), China



Mr. Yousef Alshekh

Vice Director, Higher Institute for
Applied Sciences and Technology
(HIAST), Syria



Prof. Jibin Sun

Founding Director, COMSATS Joint
Centre for Industrial Biotechnology
(CCIB), China



Dr. Yi Zhijun

Deputy Executive Director, Alliance of
National and International Science
Organizations for the Belt and Road
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(ICCBS), Pakistan



Engr. Humphrey Peter NDOSSI

Director, Industrial Research
Tanzania Industrial Research and
Development Organization
(TIRDO), Tanzania



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Director General, Industrial
Technology Institute, Sri Lanka



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Executive Director, The South Centre



Prof. Benjamin O. Oyetami

Director / Chief Executive National
Mathematical Centre (NMC), Nigeria



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Indonesia

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		COMSATS-ITS Conference on		
		"Emerging Technologies for Sustainable Development"		
		Wednesday, 10th June 2026		
		Venue: Institut Teknologi Sepuluh Nopember (ITS), Surabaya		
		Organized by: COMSATS and ITS		
		Tentative Schedule		
	Day -th	Time (GMT+7)		Activity
	Day 3	07.45-08.30	Registration	
		08.30-09.50	Inaugural Session	
			08.30-08.35	Welcome Remarks Prof. Dr. Bambang Pramujati Rector, Institut Technolog Sepuluh Nopember (ITS), Indonesia
			08.35-08.40	Opening Remarks Amb. Dr. Mohammad Nafees Zakaria Executive Director COMSATS
			08.40-08.50	Prof. Liu Weidong Executive Director, Alliance of National and International Science Organization for the Belt and Road Regions (ANSO), China
			08.50-09.30	Dr. Mohammad Fauzan Adziman, S.T., M.Eng.* Director General of Research and Development Ministry of Higher Education, Science, and Technology of the Republic of Indonesia *tbc
			09.40-09.50	Vote of Thanks
		09.50-10.20	Tea/Coffee Break	
		10.20-11.40	Paralel Technical Session	
				Technical Session I Floor 5 - Room A
				Technical Session I Floor 5 - Room B
			10.20 - 11.00	Theme 1 - Artificial Intelligence, Big Data, and Digital Transformation for Sustainable Development
				Theme 2 - Renewable Energy, Energy Storage, and Green Technologies
				Moderator: Dr. Ahmad Saikhu
				Moderator: Dr. Ridho Hantoro
				Session 1: AI Enhanced Earth System Modeling and Prediction for Sustainable Development in the Global South
				Session 1: Green Chemistry: Transforming Local wastes into High-Value Products for Sustainable Development
				Prof. Lin Zhaohui (Director, International Centre for Climate and Environment Sciences, China)
				Mr. Yousef Alshekh (Vice Director, Higher Institute for Applied Sciences and Technology, Syria)
				Session 2: The Impact of Copilot AI in Education and Society
				Session 2: Development of Sustainable Energy and Agriculture Integration Platform
				Prof. Adhi Dharma Wibawa (Head, Center for Artificial Intelligence and Health Technology, Institut Teknologi Sepuluh Nopember, Indonesia)
				Dr. Dedet Chandra (Head, Research Center for Energy and Mineral Resources Studies, Institut Teknologi Sepuluh Nopember, Indonesia)
			11.00 - 11.40	Theme 3 - Climate Change Mitigation, Adaptation, and Environmental Technologies
				Theme 4 - Advanced Materials, Biomaterials, Nanotechnology, and Industrial Innovation
				Moderator: Dr. Berlian Al Kindhi
				Moderator: Dr. Sri Yani Purwaningsih
				Session 1: Access to Green Technologies by Developing Countries
				Session 1: Mathematical Modeling for Crevice and Pitting Corrosion in Petroleum Industry
				Prof. Carlos M. Correa (Executive Director, South Centre, Switzerland)
				Prof. Benjamin O. Oyelami (Director/Chief Executive, National Mathematical Centre, Nigeria)
				Session 2: Emerging Technologies For Disaster Resilience And Climate Adaptation Toward Sustainable Development
				Session 2: From Nano to Nation: Accelerating Industrial Innovation Through Advanced Materials Research at ITS
				Dr. Hepi Hapsari Handayani (Head, Research Center for Disaster Mitigation and Climate Change, Institut Teknologi Sepuluh Nopember, Indonesia)
				Prof. Agung Purniawan (Head, Research Center for Advanced Materials and Nanotechnology Studies, Institut Teknologi Sepuluh Nopember, Indonesia)

	11.40-12.00(20 min)	GRIT & Networking: Assoc. Prof. Taufany		
	12.00-13.00(60 min)	Lunch break		
	13.00-15.00(120 mins)		<i>Technical Session I Floor 5 - Room A</i>	<i>Technical Session I Floor 5 - Room B</i>
		13.00 - 14.20	Theme 5 - Biotechnology, Health Technologies, Pharmaceuticals, Medical Devices, Healthcare Informatics, and Bio-innovation	Theme 6 - Water, Food, and Agricultural Technologies for Resource Security (including Halal Industry and Sustainable Food Supply Chains)
			Moderator : Dr. Mukhammad Muryono	Moderator : Dr. Catur Arif Prastyanto
			Session 1: Biomanufacturing driving high-quality sustainable development—TIB's vision and actions	Session 1: Postharvest Losses and Food Safety of Fresh Fruits and Vegetables; Current status and Way forward
			Prof. Jibin Sun (Founding Director, COMSATS Joint Centre for Industrial Biotechnology, China)	Prof. Ilmi G. N. Hewajulige (Director General, Industrial Technology Institute, Sri Lanka)
			Session 2: Current Developments in Drug Delivery Systems	Session 2: Innovation: A solution to the Cassava grown societies
			Prof. M. Raza Shah (Director, International Center for Chemical and Biological Sciences, Pakistan)	Engr. Humphrey Peter NDOSSI (Director, Industrial Research Tanzania Industrial Research and Development Organization, Tanzania)
			Session 3: Leveraging on technology to have insight into Temporal-Spatial dynamics of infectious diseases	Session 3: Circular Bioeconomy through Biovalorization of Agricultural Waste
			Prof. Benjamin O. Oyelami (Director/Chief Executive, National Mathematical Centre, Nigeria)	Prof. I D A A Warmadewanthi (Head, Research Center for Sustainable Infrastructure and Environment, Institut Teknologi Sepuluh Nopember, Indonesia)
		14.00 - 15.00	Session 4: Integrating Bioscience and Biodiversity: From Genomic to Food Security and Health	Room B
			Prof. Nurul Jadid (Head, Subdirectorat of Community Service, Institut Teknologi Sepuluh Nopember, Indonesia)	Theme 7 - STI Policies, Innovation Ecosystems, and Technology Governance in Developing Countries
				Moderator : Mr. Lazuardi Al Muzaki
				Session 1: ICENS: Supporting Science Policy and the SDGs in Jamaica and Beyond
				Ms. Leslie Ann Hoo Fung (Senior Research Scientist, International Centre for Environmental and Nuclear Sciences, Jamaica)
				Session 2: AAHSI Programme: Leverage the Integration of Science, Technology and Industrial Innovation under the Open Science Policy
				Dr. Yi Zhijun (Deputy Executive Director, Alliance of National and International Science Organizations for the Belt and Road Regions, China)
				Session 3: Revolutionizing Recognition of Prior Learning (RPL) Through AI-Driven Modular Education at Nusantara Digital University
				Dr. Arman Hakim (Head, Research Center for Industrial Development and Public Policy Studies, Institut Teknologi Sepuluh Nopember, Indonesia)
	15.00-15.30	Concluding ceremony		
	15.30-16.00	Coffee break		
	16.00-17.30	Visit to souvenir shop		
	17.45-19.00	Dinner at Ria Galeria		
	19.00-20.00	Back to accommodation		