Engineering >>>>>>> shapes a Green Future

AI Forum, Global Engineering Congress

Engineering AI for Sustainability: Capacity Building and International Partnerships

Co-Organizers: Chinese Association of Automation (CAA), WFEO Committee on Engineering for Innovative Technologies (WFEO-CEIT)
Address: R616, World Expo Center, Shanghai
Time: 2025/10/14

Guest Introduction

<<< Hosts >>>

Norlida Buniyamin
Chair, WFEO-CEIT

CHEN Hong
Vice President , CAA;
Professor,
Tongji University

Martin Manuhwa
Chair, WFEO Committee
on Engineering Capacity
Building (WFEO-CECB)

<<< Guest Speakers >>>

Shahbaz Khan
Director and Representative
to UNESCO Regional Office
for East Asia

TAN Seng-Chuan
President-Elect, WFEO

Phuti Joyce Tsipa
Consul-General of South
Africa in Shanghai

HOU Zengguang
Vice President, CAA;
Researcher,Institute of Automation,
Chinese Academy of Sciences

<<< Keynote Speakers >>>

Ewe Hong Tat
President, Universiti Tunku
Abdul Rahman (UTAR);
President, ASEAN Academy
of Engineering and Technology (AAET)

WANG Fei-Yue
Supervisory President, CAA;
Researcher, Institute of Automation,
Chinese Academy of Sciences

Lars Eckerlein
General Manager,
ABB (China) Limited

C. L. Philip Chen
Executive Council Member, CAA;
Distinguished Chair Professor,
South China University of Technology

WU Gansha
CEO, UISEE Technology

MA Shiwen
lecturer, Soochow University

<<< Panelists >>>

GONG Ke
Past President, WFEO; Chair of the
WFEO Task Force for Engineering
Capacity Building for Africa

Shahbaz Khan
Director and Representative
to UNESCO Regional Office
for East Asia

WANG Qinglin
Chair, Standing Committee on
Emerging Technologies for Professional
Developmenrt, The Federation of
Engineering Institutions of Asia and the
Pacific (FEIAP)

Ing Sharon van Rensburg
Member of Future Leaders Panel, South African
Institution of Civil Engineering (SAICE);
Member of Big Data & AI W.G., WFEO-CEIT

Agenda

‹‹‹ Addresses ›››

Moderator:Norlida Buniyamin
Chair, WFEO-CEIT

09:00-09:05 Shahbaz Khan
Director and Representative to UNESCO Regional Office for East Asia

09:05-09:10 TAN Seng-Chuan
President-Elect, WFEO

09:10-09:15 Phuti Joyce Tsipa
Consul-General of South Africa in Shanghai

09:15-09:20 HOU Zengguang
Vice President, CAA; Researcher, Institute of Automation, Chinese Academy of Sciences

‹‹‹ Keynote Speeches ›››

Moderator:CHEN Hong
Vice President , CAA; Professor, Tongji University)

09:00-09:05 How Do We Prepare Ourselves for the AI Era?

Ewe Hong Tat
President, Universiti Tunku Abdul Rahman (UTAR); President, ASEAN Academy of Engineering and Technology (AAET)

09:40-10:00 New AI for LaSEE to CiSEE: Empowering Sustainability Intelligence for All

WANG Fei-Yue
Supervisory President, CAA; Researcher, Institute of Automation, Chinese Academy of Sciences

10:00–10:20 AI - Beyond the Hype

Lars Eckerlein
General Manager, ABB (China) Limited

10:20-10:40 Break

10:40–11:00 Towward the Future Human-AI Collaboration

C. L. Philip Chen
Executive Council Member, CAA; Distinguished Chair Professor, South China University of Technology

11:00–11:20 Evolution and Development Practices of All-Scenario L4 Autonomous Driving Systems

WU Gansha
CEO, UISEE Technology

11:20–11:40 The Morality of Things: Engineering Practice for Embedding Morality in Intelligent Systems

MA Shiwen
lecturer, Soochow University

‹‹‹ Roundtable ›››

AI Capacity Building and Global Cooperation

Moderator:Martin Manuhwa
Chair, WFEO Committee on Engineering Capacity Building

11:40-12:30

GONG Ke
Past President, WFEO, Chair of the WFEO Task Force for Engineering Capacity Building for Africa (WFEO-CECB)

Shahbaz Khan
Director and Representative to UNESCO Regional Office for East Asia

WANG Qinglin
Chair, Standing Committee on Emerging Technologies for Professional Developmenrt, The Federation of Engineering Institutions of Asia and the Pacific (FEIAP)

Ing Sharon van Rensburg
Member of Future Leaders Panel, South African Institution of Civil Engineering (SAICE); Member of Big Data & AI W.G., WFEO-CEIT

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October 12–17, 2025 Shanghai, China