

SUSTAINABLE SOCIETY

CEEAA 2021 International Conference on Engineering Education

—Engineering Education and Accreditation
for Future Sustainable Society

December 15, 2021

IMPORTANT DATES

UTC/GMT+08:00

Keynote Invitation

Nov. 20, 2021

Full Agenda Available

Dec. 10, 2021

Registration Closed

Dec. 14, 2021

COP26 was just concluded with ongoing debates on its successes and failures in shaping and directing global climate mitigation commitments. Climate change and sustainability issues will continue to dominate the world stage for years and even decades.

The International Engineering Alliance (IEA) has recently published the revised **2021 Graduate Attributes & Professional Competencies** (GAPC) international benchmark, the outcome of the joint IEA-WFEO Working Group under the auspices of UNESCO. The revised GAPC reflects requirements for **new technologies** and **engineering disciplines**, **new pedagogies** and **new values**, with particular emphasis on the role of engineering in building **A MORE SUSTAINABLE AND EQUITABLE WORLD**.

The 2021 GAPC has a profound impact on the **Accords' signatories** with respect to revising and communicating the requirements of **incorporating SDGs into their accreditation criteria**. While it is well accepted that engineering does play a pivotal role in nurturing the SDGs, engineering education providers have the challenging tasks of re-structuring their **programme curriculum**, **pedagogies**, **teaching-learning activities**, and appropriate **assessment** to completely encompass SDGs in the face of the competing demands of embedding new attributes such as critical thinking, data analytics, diversity and inclusion, and ethics.

This conference is intended to provide a forum for leaders of accreditation bodies and engineering education providers, practitioners and researchers to share and debate policies, best practices and concerns in incorporating SDGs in engineering education through accreditation.

- Focused topics -

The conference, to be held on virtual/online platforms, shall focus on, but is not limited to, the following 3 topics:

- Incorporating SDGs into Engineering Education
- SDG-related Outcome Based Assessment towards GAPC
- Accreditation policies, criteria and procedures for GAPC 2021

- Keynote speakers -

Mr. Damien Owens, *Chair of the International Engineering Alliance*

Prof. Elizabeth Taylor, *Chair of the Washington Accord*

Prof. Gong Ke, *President of the World Federation of Engineering Organizations*

Prof. Chen Shiyi, *Vice President of the China Engineering Education Accreditation Association*

Dr LIM Khiang Wee, *Chair of Engineering Accreditation Board, Institution of Engineers, Singapore*

Prof. Jin Donghan, *President of Tianjin University*

Organized by

China Engineering Education
Accreditation Association

Institution of Engineers Singapore

Tianjin University

Supported by

International Engineering Alliance

World Federation of Engineering Organizations

Federation of Engineering Institutions of Asia
and the Pacific

Guided by

Department of Higher Education, Ministry of
Education of the People's Republic of China

Department of International Affairs, China
Association for Science and Technology

FOR REGISTRATION and more CONFERENCE DETAILS, VISIT:

<http://icee2021.tju.edu.cn> (available after Dec 9)