

## KEYNOTE TALK 8

### EDUCATING THE SUSTAINABILITY ENGINEERS OF THE FUTURE

**Dr. Mandy Liu**

Deputy Chair, Sydney Accord, International Engineering Alliance & Deputy Executive Director, IEET

## ABSTRACT

International Engineering Alliance (IEA) published a new version of Graduate Attributes and Professional Competencies (GAPC) in June 2021, and all signatories/members are required to have a roadmap of compliance in 3 years. The new GAPC is historical in the sense that sustainability, the key word for the 21st century, is firmly and solidly incorporated into the new version. Therefore, accreditation agencies under Washington Accord, Sydney Accord, and Dublin Accord must demonstrate with evidence that their accreditation systems are able to be meeting the target. The first step forward is obviously a review of the current accreditation criteria and revise if necessary. Nevertheless, criteria revision is always easy to do, but the problem is whether the revision is only superficial. After all, the function of an accreditation agency is to facilitate real change of engineering education. This talk is to show how IEET, the accreditation agency for engineering and technology education in Taiwan, go about assisting programs enhance training of sustainability to the future engineers.



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**CURRENT POSITION**

2004 ~present

Deputy Executive Director of the Accreditation Council and Office Director, IEET

**PREVIOUS POSITION**

2001 ~ 2004

Research Associate, American Association of Medical Colleges (AAMC), Washington DC, USA

**EDUCATION**

2001

Ph.D., Claremont Graduate University, USA

**INTERNATIONAL ACCORDS RELATED EXPERIENCE**

2021~present

Deputy Chair, Sydney Accord 2018 Panel Member, WA Verification Review Team to CACEI (Mexico)

2004 ~present

IEET's main contact window to the International Engineering Alliance