

## KEYNOTE TALK 3

### ADDRESSING SDG IN THE CULMINATING COURSES

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## ABSTRACT

The accrediting bodies for engineering qualifications use outcomes based criteria for evaluating the programmes. The recent revision to the graduate attributes and professional competence (GAPC v4 2021), reflect requirements for new technologies and values such as sustainable development, diversity and inclusion, and ethics. Constructive alignment to address the SDG, WK, WP and EA are shown in the culminating courses. At the end of this presentation, educators should be able to design the teaching plan, learning outcomes and assessment evidences; simultaneously addressing the SDG.



**Siti Hawa Hamzah** is a retired Professor in Civil and Structural Engineering from UiTM Shah Alam (1983-2017); the former Director of the Engineering Accreditation Department, BEM (2020-2022); and was the EAC Associate Director (2014 – 2020). Currently, she is the Vice President with IEM (2023-2025), an IEM Fellow since 2006, completed serving as an ordinary council member (2021-2023), and had served as council and excomm in sessions 2001 until 2004. She specializes in load bearing wall panel structures and engineering education. She has been providing extensive trainings on OBE and engineering education. She made impactful contributions in Malaysia, Afghanistan, Bangladesh and Qatar on OBE and quality assurance; and affiliated with the International Engineering Alliance, as a mentor to BAETE-IEB and a reviewer to HKIE. Her awards include the Hon. Distinguished Fellow SEEM, Hon. MAFEO, IEM Woman Engineer and more than 20 research accolades. Her recent recognition is through the Who's Who in Engineering Malaysia, 2022. Ir. Dr. Siti published 15 books in structural engineering and more than 175 technical papers. To date, she had examined more than 65 P.Eng candidates. She holds bachelor and master degrees in civil engineering; and certificate of education from the USA. She completed her PhD in Civil and Structural Engineering from UKM. She's a PEPC, FIEM, APM, MRM and PSWM.