

## Plenary Talk By *Em Prof. Elizabeth Taylor AO*

### International Engineering Alliance GAPC 4.0: A Framework for Educating, Accrediting and Credentialing Engineers for the Future

#### ABSTRACT

For engineering educators and professional engineering bodies the international context and implementation phase of the IEA GAPC 4.0 provide opportunities and challenges. This presentation highlights drivers, particularly the UNSDG, on community expectations regarding the role of engineering into the future and how these impact engineering education. It provides an overview of the International Engineering Alliance and its engagement with this context. The presentation is structured to raise ideas and questions for further deliberation by participants at the IEB-BAETE International Forum on transforming engineering accreditation.



**Em Prof. Elizabeth Taylor AO**

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*Elizabeth Taylor specialises in governance effectiveness and analysis of complex projects and ecosystems. Her career has spanned industry, design and construction, and academe. Her engineering underpins her consultancy and she has extensive Board-level leadership in professional organisations and innovative technology entities. Currently she is Chair of SmartCrete (concrete) Collaborative Research Centre and Chair, Governing Group, and Deputy Chair, Sydney Accord, of the International Engineering Alliance. She is past Chair, Washington Accord, and Engineers Australia Accreditation Board.*

*Elizabeth has always engaged in pro-bono work. Currently she is Chair of the Cambodian Childrens' Trust Australia. Previously she was Chair of RedR Australia, an humanitarian response agency, and Chair of RedR International.*

*Elizabeth is an Officer of the Order of Australia (AO) for service to engineering education through the design and implementation of innovative academic programs, to professional associations, and to enhancing the status of women in the profession and promoting it as a career option. She is an Honorary Fellow of Engineers Australia, Fellow of the Australian Institute of Company Directors, Fellow, Academy of Technological Sciences and Engineering and has been recognised as one of Australia's 100 most influential engineers. She is Emeritus Professor at Central Queensland University and her UNSW Doctor of Engineering honoris causa (2018) notes she has been instrumental in changing the culture of engineering. She was awarded Engineers Australia's 2021 Peter Nicol Russell Career Achievement Memorial Medal.*