

A JOURNEY THROUGH TOMORROW'S LANDSCAPE OF HIGHER ENGINEERING EDUCATION

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The keynote offers a forward-thinking perspective on higher engineering education and is based on his report 'Navigating the Landscape of Higher Engineering Education: Coping with decades of accelerating change ahead' (2020). He will address the changing society and the developments in science and technology and provoke thought about their impact on teaching and learning in higher education. In this context he will address the shift in key aspects of a 21st century engineering curriculum, the necessary change in mindsets in curricula, the shift in competency requirements of graduate engineers which is directly or indirectly caused by the digital transition as well as the prominent role of data in the professions in science and technology, and last but not least the changing needs and aspirations of Generation-Z students. The plethora of factors not only challenges the organisation, curriculum and content of our educational programmes. It also requires an investment in unlearning and relearning of staff so that they can enhance the teaching and learning and assessment of increasingly complex learning outcomes.