

## **BRIEF BIODATA**

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Dr Teo Yong Chua is a Senior Lecturer at the Natural Sciences and Science Education Academic Group, National Institute of Education, Nanyang Technological University. He obtained his BSc. (Hons) and Ph.D. in Chemistry from the National University of Singapore. Yong Chua teaches a variety of undergraduate and postgraduate courses, ranging from organic chemistry, organometallic chemistry, medicinal chemistry to green chemistry. He has received the NIE Excellence in Teaching Commendation Awards in 2011, 2015 and 2020. As part of pedagogical innovation, he was awarded an Incentivising ICT-Use Innovations Grant (i<sup>3</sup>G) involving the development of Augmented Reality (AR) technologies to enhance students' visualization of 3D molecular structures in the learning of organic chemistry. In this seminar, he will present and facilitate the participants in the application of AR tools on a mobile device to the teaching and learning of isomerism in organic chemistry. The AR platform will allow learners to visualize and translate between 2D and 3D representations of molecules and provides an interactive environment for the learning process.