

TRACK 5: INNOVATION AND APPLICABLE TECHNOLOGY**“ROBOTICS AND AUTOMATION FOR AIRBASE FIELD OPERATIONS”**

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ABSTRACT

This presentation covers the current development of robotics and automation systems for modern airports and how some of the design concepts could potentially be applied to modern airbase operations. Some of the topics that will be discussed include autonomous tractors, robotic material handling systems, automatic docking systems, autonomous vehicles and service robots.

BIOGRAPHY OF SPEAKER

Mr Paul Tan has been with ST Engineering for more than 20 years, covering various positions in ST Aerospace, ST Kinetics and ST Dynamics, serving in the aircraft test department, concepts and systems engineering group and robotics engineering department respectively. In his current capacity, he oversees corporate research of robotics and autonomous systems in conjunction with NTU.