

## PREFACE



The Singapore Aerospace Technology and Engineering Conference (SATEC) 2018, held in conjunction with Singapore Airshow 2018, is jointly organised by Air Engineering and Logistics Department (AELD), Republic of Singapore Air Force (RSAF) and Singapore Institute of Aerospace Engineers (SIAE).

This biennial conference serves as a platform for engineers and researchers from MINDEF, RSAF, industry and academia to present and discuss key developments and advancements in aerospace technology and engineering. The theme for SATEC 2018 is 'Shaping Aerospace Through Innovation', focusing on the innovative use of technology and engineering to meet new and evolving challenges in the aerospace industry. We firmly believe the conference will enhance the intellectual capital of the aerospace industry and promote greater understanding and cooperation between military, aviation companies and institutions.

This year, we are honoured to have Mr Neo Kian Hong, Permanent Secretary (Defence Development), Ministry of Defence, Singapore, to grace the occasion as our Guest of Honour. We are also honoured to have IGA Caroline Laurent, Director of Strategy, Directorate General for Armament (DGA), France, Air Chief Marshal Sir Stephen Dalton, President of the Royal Aeronautical Society (RAeS) and Mr Carl E. Burluson, Acting Deputy Administrator, Federal Aviation Administration (FAA) as our Distinguished Guest Speakers. Our Plenary Speakers are Dr. Peter Weckesser, Digital Transformation Officer at Airbus Defence and Space, Dr Alan H. Epstein, Vice President of Technology and Environment at Pratt & Whitney and ME7 Timothy Yap, Deputy Head Air Engineering & Logistics (Systems Engineering), Republic of Singapore Air Force.

We have also lined up more than 30 speakers from the military, industry and academia to share their knowledge and experience in the plenary and breakout sessions. We hope the presentations and discussions will spur further research and development in the various areas of specialisation in aerospace engineering.

Our appreciation goes out to all our partners and participants who have contributed towards the success of the conference. We are confident that SATEC 2018 will be an enjoyable, engaging and fulfilling experience for you.

Yours Sincerely,



ME8 Francis Cheong Han Kwok  
Head Air Engineering & Logistics  
Republic of Singapore Air Force



Mr Lim Yeow Khee PBM  
FRAeS, Hon F, SIAE, Assoc Prof(Adjunct) NTU  
President, SIAE