


SPEAKERS' CONTACT & PRESENTATION DETAIL FORM

Composite Technology Seminar & Expert Forum

Republic Polytechnic / GMI Aero / Melchers, 10 February 2020

Full Name / Title (e.g. Mr, Miss, Mrs, Ms, Dr, Prof)	Ethan Goh, Dr	
Company / University / Center / Department	Composite Cluster Singapore (CCS) Pte Ltd	
Appointment Held	Project Engineer	
Phone Number	8818 3159	
E-mail Address	goh@compositecluster.com	

TITLE OF PRESENTATION (15 words or less)

A Large Area Inspection and Repair Demonstrator (LAIRD) for composite aircraft structures

PRESENTATION ABSTRACT (200 words or less)

As the aviation industry implements more composite materials into its aircraft, the requirement to inspect and repair of these composite aircraft structures remains unaddressed. Inspection and repair of composite aircraft structures remain to be a largely manual process and a highly skilled workforce. With the inevitable aging of these aircrafts, there will be a demand for operators to handle the large number of requests to keep their fleet airworthy.

Stratagem Innovations Singapore (SIS) and Composite Cluster Singapore (CCS) are collaborating on an automated inspection and repair system for MRO operators.

SPEAKER BRIEF BIOGRAPHY (120 words or less)

Dr Ethan Goh is the Program Manager for the LAIRD program and a Project Engineer at CCS. He has 10 years of composite experience which spans from engineering to manufacturing, inspection, repair and R&D with focus on aircraft structures. Prior to CCS, he spent time with Boeing Research and Technology Australia while completing his PhD in Aerospace Engineering with RMIT University in Melbourne, Australia.