



WEDNESDAY
15 JULY
Repeat one-hour
4PM & 6PM

INVITATION TO THE AMSI AEROSPACE ROADSHOW

BOOKINGS ESSENTIAL: WWW.SCHOOLS.AMSI.ORG.AU/AEROSPACE-MELBOURNE

AMSI, proudly supported by Boeing Australia, brings teachers, students and their parents a careers information evening designed to showcase careers in the aerospace industry and the mathematics needed for them.

Come along and hear speakers talk about their path to exciting careers, chat to people in the Science, Technology, Engineering and Mathematics (STEM) fields and collect information to take home to help with your career planning.

The event will feature a panel of aerospace industry experts with a diverse range of experience and skills – whether you want to be a commercial pilot, defence force employee, aerospace engineer or flight controller, this event is for all students with an interest in aerospace and related careers. Students will discover how maths can enrich any career path.



Dr Clint Steele

Senior lecturer in Prod Design Engineering,
Swinburne University of Technology



Lauren Burns

Composite Research Engineer,
Boeing Research & Technology Australia



Jason Pennock

Software Engineer, DSTO

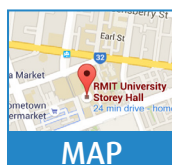


David Bain

Robotics and Automation,
Boeing Research & Technology Australia

--- MELBOURNE ---

RMIT STOREY HALL
Building 16/336–348
Swanston Street
Melbourne VIC 3000



WEDNESDAY 15 JULY

REPEAT ONE-HOUR SESSIONS AT 4PM & 6PM

ABOUT THE SPEAKERS



Dr Clint Steele

Senior lecturer in Prod Design Engineering,
Swinburne University of Technology

Clint Steele was working in industry in both China and Australia as a design engineer prior to returning to Swinburne as an academic. Clint is the academic advisor for the Swinburne FSAE team, the Swinburne Aurora Solar sports car project and other EV projects with industry. Clint's main interest is in understanding the cognition of engineering and how this understanding can be used to make superior engineers. While at Swinburne Clint has worked with scooter companies and powered parachute companies to help develop ideas to a commercialisable status. This cooperation between university students and industry is a major area of interest for Clint because it takes advantage of his industry experience and understanding. Clint has a bachelor of engineering mechanical, a master of entrepreneurship and innovation, and a PhD in probabilistic design - all from Swinburne.



Lauren Burns

Composite Research Engineer,
Boeing Research & Technology Australia

Lauren Burns has worked as a Composite Research Engineer within Boeing Research & Technology - Australia since 2012. Lauren is a member of the Integrated Structures team, which develops new technologies for aircraft component manufacture, with the aim of a more environmentally sustainable and efficient aircraft for Boeing customers. Burns is also a co-chair of the Aviation/Aerospace Australia NextGenNetwork which aims to connect and empower early career professionals and provide opportunities for them to excel in their leadership development. Prior to her current position, Burns received an Australian Postgraduate Award and completed a PhD on the topic of bio-inspired design of aerospace composite joints at RMIT University. During her PhD she was awarded an Amelia Earhart Fellowship of US\$10,000. Burns studied her undergraduate degree in Aerospace Engineering at RMIT University. A highlight was the opportunity to undertake a 6 month work placement at the European Defence and Space Company (now known as Airbus Group) in Bremen, Germany.



Jason Pennock

Software Engineer, DSTO

Jason was born in Glenelg and has lived his entire life in Adelaide. At 18yrs of age he joined the South Australia Police. He worked on Patrols, Community Policing and Domestic Violence and Child Abuse. At age 30, Jason left the Police to study a Bachelor of Information Technology. Upon graduating he joined the Defence Science and Technology Organisations Graduate Program, initially working for Maritime Operations Division, and most recently Weapons and Combat Systems Division.



David Bain

Robotics and Automation,
Boeing Research & Technology Australia

David Bain joined Boeing Research and Technology - Australia (BR&T-A) in 2011, where he works as a research engineer specialising in robotics and automation. His current focus is on the design and programming of lightweight, portable robotics for aircraft assembly and repair from which he has six patents pending. He also has a keen interest in intellectual property protection and is currently serving as the BR&T-A IP focal. Prior to Boeing, David completed a Bachelor of Engineering (Robotics and Mechatronics) and a Bachelor of Computer Science at Swinburne University (2010). A highlight from this time was being part of the final-year project team that won the iAward (tertiary division) for creating the world's fastest Rubik's cube solving robot.

Australian Mathematical Sciences Institute



AMSI is the collaborative enterprise of Australia's mathematical sciences. It exists to give independence to our disciplines and provide infrastructure so that we can take initiatives on the national and international stage. These measures fall largely into three classes - research and higher education, school education and engagement with the industrial and commercial world. AMSI has built a record of achievement in these areas and is recognised by government and industry as a leading provider of services, activities and strategic initiatives. The common aim we share with our partners is the radical improvement of levels of mathematical capacity and facility in the Australian community. It is AMSI's ability to pull together skills and experience at the highest levels across the spectrum of the mathematical sciences that underlies our impact.