

Swinburne Aviation Industry Seminars Wednesday 10 February to Friday 12 February 2010

SWINBURNE
UNIVERSITY OF
TECHNOLOGY



The Aviation Seminar Series is a key event at Swinburne University of Technology. Although originally designed as a major component of our postgraduate programs in Aviation (Management) and Aviation (Human Factors), we have recognised the potential benefits to those organisations and professionals who wish to broaden their industry knowledge. As a result, we are delighted to offer complimentary places to industry. Attendees need to register for their preferred sessions on our website at www.swinburne.edu.au/aviation/seminars. Capacity limitations may apply.

The seminars facilitate a better understanding of the changing nature of the aviation industry, embracing many facets of contemporary aviation. Topics covered considerably broaden our extensive course material, and in 2010 include such diverse areas as the design and certification of new aircraft and their introduction into service, latest engine developments, alternative fuels, as well as several presentations and a workshop on Human Factors issues.

The seminars offer participants the opportunity to interact with presenters and other industry personnel. Our presenters have a great deal of expertise in their respective fields, and as such are drawn exclusively from industry, often from major international organisations. Our Postgraduate Aviation students who attend the seminars also benefit greatly from meeting authors and tutors of the materials as well as academic staff and fellow students.

Swinburne Aviation

Our Aviation Program staff have significant industry backgrounds, including experience in International airline executive management, major airline CRM Management, Flight Crew, Aerospace Engineering, (Design/ Manufacturing/Maintenance and Regulatory), and Ground Operations. These levels of experience have enabled us to develop a range of industry focused programs balanced across a range of disciplines.

With the ever-increasing strategic and commercial importance of Aviation and Air Transportation in Australia and across the world, Swinburne Aviation continues to expand its range of Undergraduate and Postgraduate courses, addressing contemporary and future issues in this critical industry. The development of these courses emphasises the guiding principles of safety, legality and compliance, and business profitability.

Industry Advisory Committee

Driving the direction and activities of Swinburne Aviation is our Industry Advisory Committee which comprises senior executives from the aviation industry, within Australia and overseas, who meet formally with academic staff to review the content of current Undergraduate and Postgraduate courses and to provide advice on the accreditation of new courses. The Chairperson is elected annually from the external members and, on accreditation matters, reports directly to the Academic Board of the University. This ensures that the content of all aviation courses is relevant to the changing needs of industry. The program for the Seminar Series has received unanimous endorsement from the Advisory Committee.

Seminar accommodation and refreshments

There is a range of competitively priced accommodation close to the University, including local hotels and Swinburne's own student residences. Other hotels, of course, are located in the City of Melbourne, only fifteen minutes away.

During the seminars, we are pleased to offer coffee before the sessions commence, and complimentary morning teas and lunches during each day. There is also a wide selection of very good eating places within walking distance.

WHAT OUR PARTICIPANTS SAY ABOUT THE SEMINAR SERIES

"excellent content and delivery"
"insight into relevant issues"
"informative and entertaining"



Program

Wednesday 10 February 2010

0800	Registration/coffee
0830	Opening address
0845–1015	1 Capabilities and Concepts of 'NextGen' Advanced Air Traffic Management Systems – MITRE Aviation Institute (USA)
1015–1045	Morning tea (provided)
1045–1200	2 Single European Sky – Technical Delivery and Implementation – Thales ATM
1200–1330	Lunch (provided)
1330–1500	3 Advances in Satellite Based Navigation and Landing Systems – An Operator's Application – V Australia
1500–1515	Break
1515–1645	4 Research, Design and Manufacturing Philosophy and Practice at Embraer – Embraer

Thursday 11 February 2010

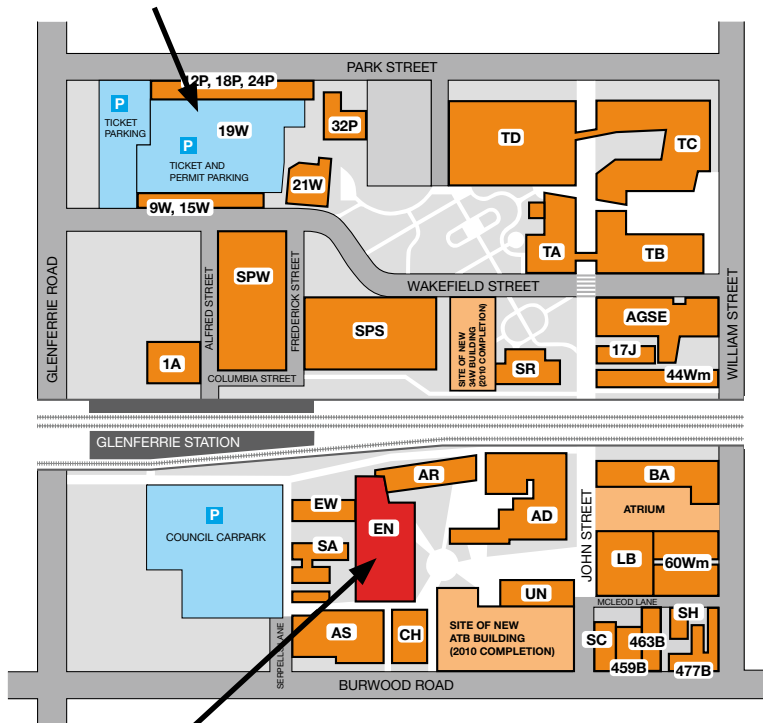
0830	Coffee
0900–1030	5 Developments in Aviation Fuels and Lubrication – Shell Aviation
1030–1100	Morning tea (provided)
1100–1230	6 Safety Management in the Defence Forces – Directorate of Defence Aviation and Air Force Safety (DDAAFS)
1230–1315	Lunch (provided)
1315–1445	7 Challenges of Next-Generation Technology for the Accident Investigator (1) – Australian Transport Safety Bureau (ATSB)
1445–1500	Break
1500–1630	8 Challenges of Next-Generation Technology for the Accident Investigator (2) – Australian Transport Safety Bureau (ATSB)

Friday 12 February 2010

0830	Coffee
0900–1030	9 New Technology Engines for New Generation Airliners – Pratt & Whitney
1030–1100	Morning tea (provided)
1100–1230	10 Negotiation and Management of Slot Times – Airport Co-ordination Australia 11 Human Factors and Accidents – Australian Transport Safety Bureau (ATSB)
1230–1315	Lunch (provided)
1315–1445	12 Aviation Policy in the Coming Decade – Aviation Tourism Management 13 Human Factors and Ground Safety – Jetstar Airways
1445–1500	Break
1500–1630	14 The A350 – The Next Generation of the Airbus Family – Airbus Industrie

Multi-storey car park

All day parking \$5.50 Mon–Sat
Open 0730–2230. Enter Wakefield Street



Engineering Building (EN)
Enter via east door

Seminar Series venue

The 13th Annual Swinburne Aviation Seminar Series will be held in the Engineering and Science Building (EN) from Wednesday 10th February to Friday 12th February, 2010 at the Swinburne University of Technology, Hawthorn Campus, Melbourne.

The Hawthorn Campus is located about 7kms from the centre of Melbourne, is easily accessible by public transport (Glenferrie Station) and has convenient car parking nearby (Wakefield Street multi-storey car park).

Our audience

The seminars typically attract participants from aviation, including airlines, airports, regulatory authorities, government, defence, training operators, pilots, cabin attendants, air traffic controllers, and ground staff. However, the diverse range of topics especially in relation to our Human Factors sessions also attracts personnel from rail, road, medicine, and a range of other industries.

Our seminar presenters

We acknowledge the major contribution of our team of international and domestic presenters to the quality and relevance of our seminar topics. Their willingness to make their time available affirms recognition of the importance of our industry driven programs.

All are experts in their particular fields who bring a wealth of industry and academic experience, providing valuable insight into current issues.

Further information

Seminar enquiries: Dr Peter Bruce
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Register online at
www.swinburne.edu.au/aviation/seminars

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