

Imperial College Alumni Association of Singapore



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Blue Skies to Green Skies - Aero-Engine Technology to Reduce the Impact of Aviation on the Environment

A Talk by Prof. Richard J Parker, FREng, FRAeS, FIMechE
Director of Research & Technology – Rolls-Royce Group

Date: 2 April 2008 (Wednesday)

Time: 1930 hours sharp

Venue: Programme Zone (next to café on ground floor), Jurong Regional Library,
21 Jurong East Central 1, S (609732)

Abstract

One of the biggest challenges to the Civil Aviation industry, both in terms of public perception and technological achievement, is to mitigate the impact of its further success on the global environment. Aviation growth has brought numerous economic and social benefits to a shrinking world. If our successors and grand children are to continue to enjoy these benefits, we must redouble our efforts to reduce environmental impact of air travel.

Since the invention of the jet engine, and its early application to civil transport, huge leaps have been made in efficiency, reduction of emissions and reduction of noise. The speaker will briefly review this history with specific reference to Rolls-Royce's critical role and current product development. Looking to the future, aero-engine technology will need further significant advancement in order to achieve the exacting targets which the industry has committed to. The speaker will review technology programmes for the next 10 and 20 years, and sketch a vision for the future of aircraft propulsion, even beyond that.

Biodata - Richard (Ric) Parker was appointed Director of Research & Technology, Rolls-Royce Group in January 2001, and is based in Derby, United Kingdom. He is responsible for direction and co-ordination of Research & Technology programmes across all the Rolls-Royce businesses.

Ric is a Fellow of the Royal Academy of Engineering, a Fellow of the Royal Aeronautical Society and a Fellow of the Institution of Mechanical Engineers.



Ric joined Rolls-Royce in 1978, and has held various posts including Chief of Composites and Ceramics, Chief of Compressor Engineering, Managing Director – Compressor Systems and Director of Engineering & Technology, Civil Aerospace. Ric gained a BSc in Physics at Imperial College London in 1975 and an MBA with distinction at Loughborough University in 1992. He is a visiting Professor in Aerospace and Transport Technology at Loughborough University.

Registration - Admission is free. All are welcome. Please register by sending an email to icaas2006@gmail.com with 'ICAAS Talk by Ric Parker' in subject line.

How to get there - Nearest MRT Station : Jurong East
Nearest Bus Interchange : Jurong East
Buses : SBS 51, 52, 66, 78, 79, 97, 98, 105, 143, 160, 183, 197, 333, 334, 335, 506 (via Jurong East Bus Interchange)
SMRT 176, 178 (via Jurong Town Hall Road)

MBA Talk @ NLB

The MBA Wing held its first MBA talk in 2008. Entitled “Competing in the Global Marketplace: Lessons Learned & Future Prospects”, it was given by Prof. Joseph Cheng (University of Illinois at Urbana-Champaign) on 03 March 2008 (Monday). The event was held at The Pod, Level 16, NLB Building.



Above (L-R): Tan Kee Hian, Prof. Joseph Cheng, Elsie Lee, Steven Ho, Anthony Ong, Wilson Chan, and Dr. Lee Hing Yan.

The discussions continued long after the formal program ended.

IC Recruitment Fair



With the release of the A-level results, just before the week-long March school vacation, the annual education fairs hit town once again. Over the weekend of 8 – 9 March 2008, Imperial College was part of a 4-London college fair at the Conrad Centennial Hotel (along with KCL LSE, and UCL). Dr. Lorraine Craig (Academic Tutor, Dept. of Earth Science & Engineering) and Ms. Jen Martin (International Office) were busy on their feet answering queries from interested students and their parents. From Singapore, they moved on to Kuala Lumpur on the following Monday.

Staying in Touch



While on a stop-over in Singapore, Emma Jones (Alumni Relations Manager, Office of Alumni & Development, IC) had an informal meeting with Exco members on 6 March 2008 to discuss organizing alumni activities and the proposed Asia Regional Forum (mentioned in the last issue of our newsletter), which has the strong support of the college.

(L-R): Emma Jones, Darren Jones, Dr. Lee Hing Yan, Chen Hung, and Elsie Lee enjoying dinner at Ah Teng's Bakery at the Raffles Hotel.

We Seek Your Contributions ...

If you have had a class or year reunion recently, do drop us a few lines and/or send us a photo to share with others in the newsletter. This is a great way to catch up and/or locate long lost friends.

Change of Email Address

In order that you continue to receive updates on ICAAS activities, please inform us of your new email address. Do send the information to Prof. Wong Limsoon (wongls@comp.nus.edu.sg), who has kindly been maintaining the ICAAS mailing list and web site.