Location

UK Aerodynamics Centre
Martell House, University Way
Cranfield  MK43 0TR, UK
T: 01234 758587
W:  www.ukaerodynamics.co.uk

Take Midland Mainline trains to Bedford from London St.Pancras. A bus service is available from Bedford to Cranfield University.

National Rail Enquiries website gives timetable information for all train operating companies.

http://ojp.nationalrail.co.uk/service/planjourney/search

Seminar fees

€540  ERCOFTAC members
€875  Non-ERC0FTAC members

This fee includes: seminar registration, seminar material, lunch, refreshments and seminar dinner. Please note that accommodation is not included in this fee.

Course coordinator: Prof. Kwing-So Choi

9 and 10 December 2013
UK Aerodynamics Centre
Cranfield, UK
ERCOFATAC, a leader in applied fluid dynamics, is proud to announce a two-day course on Flow Control later in 2013, which is one of the series of well-established ERCOFTAC Industry Events/Courses.

ERCOFTAC Flow Control Course will target industrialists, academics and PhD students, who wish to gain up-to-date understanding of flow control in aeronautics. Basic theory and applications of flow control from laminar to turbulence flows will be covered. Future progress in various techniques in controlling momentum, flow noise and heat transfer will also be reviewed.

**Lecturers**
- Prof. Kwing-So Choi, University of Nottingham
- Prof. Rudibert King, TU Berlin
- Prof. Jens Fransson, KTH
- Prof. Richard Sandberg, University of Southampton
- Prof. Ken Badcock, University of Liverpool
- Prof. Jonathan Morrison, Imperial College
- Prof. Eric Moreau, University of Poitiers
- Prof. Michael Leschziner, Imperial College
- Prof. Maurizio Quadrio, Politecnico di Milano

**Registration**
Please contact CADO-ERCOFTAC at the earliest opportunity to reserve a place: Dr. Richard E. SEOUD
CADO - ERCOFTAC
Tel: +44 (0)207 559 1430
Email: richard.seoud-ieo@ercoftac.org

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**Programme**

**Day 1:**
- 9:00 Introduction to flow control Prof. Kwing-So Choi
- 9:30 Flow control theory Prof. Rudibert King
- 10:30 Refreshment
- 10:45 Laminar flow control Prof. Jens Fransson
- 11:45 Turbulent flow control Prof. Kwing-So Choi
- 12:45 Lunch
- 13:45 Flow noise control Prof. Richard Sandberg
- 14:45 Loads control Prof. Ken Badcock
- 15:45 Refreshment
- 16:00 Flow control – industrial requirements TBA

**Day 2:**
- 9:00 Flow control with electro-active polymers Prof. Jonathan Morrison
- 10:00 Flow control with plasma actuators Prof. Eric Moreau
- 11:00 Refreshment
- 11:15 Flow control with synthetic jets Prof. Michael Leschziner
- 12:15 Lunch
- 13:15 Turbulent wall flow control Prof. Maurizio Quadrio
- 14:15 Q & A sessions
- 15:00 Close