FLOW Summer School

Aeroacoustics in Low Mach Number Confined Flows

June 3-5, 2010
KTH Royal Institute of Technology
Stockholm, Sweden
MWL, Linné FLOW Centre

http://www.flow.kth.se/graduateschool

Scope
In conjunction with the 16th AIAA/CEAS conference in Stockholm, we are organizing a short summer school in aeroacoustics in low Mach number confined flows. The aim of the course is to bring up issues that are specific for internal acoustic phenomena and with special interest in the importance of and interaction with the flow field. The applications we have in mind are e.g. aeroacoustics of ground vehicles and ventilation systems.

Expected participants are PhD students and researchers in aeroacoustics. The idea is to give graduate students and young researchers an opportunity to meet and discuss with more established researchers.

Invited Teachers

Prof. **Yves Aurégan**
Univ Le Mans, France

Prof. **Wolfgang Polifke,**
TU München, Germany

Dr. **Ragnar Glav**,
Scania CV, Sweden

Prof. **Christophe Schram**,
VKI, Belgium

Prof. **Börje Nilsson**,
Linné University, Sweden

Dr. **Graeme Keith**,
Lloyd's Register ODS, Denmark

Topics
The summer school will cover the following topics in the area of aeroacoustics:

- Introduction to aeroacoustics for confined low Mach number flows
- Theoretical modelling
- Stability of shear layer flows
- Thermo-acoustics
- Whistling
- Measurement techniques
- Computational Aeroacoustics (CAA)
- Industrial applications

Location and outline
Lectures will be given between June 3-5, 2010, just before the 16th AIAA/CEAS Conference, also hosted by the MWL, KTH and the Linné FLOW Centre.
The course will be held in the main campus of KTH Stockholm, conveniently located in the city centre of Stockholm, Sweden.

Registration
The course is free of charge and a limited number of FLOW scholarships for graduate students to come and attend are available. Interested students are invited to contact Gunilla Efraimsson, gef@kth.se. **Latest date for registration and application of scholarships is 14 May, 2010**. For further information please visit the homepage of the Linné FLOW Centre (http://www.flow.kth.se).
The number of participants is limited to 30 students.

Welcome to the Summer School!
Hans Bodén Susann Boij Gunilla Efraimsson Mats Åbom

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