



KTH Mechanics

NORDITA-FLOW Spring School on Turbulent Boundary Layers

April 6-9, 2010

NORDITA

Linné FLOW Centre, KTH Mechanics

KTH Royal Institute of Technology

Tuesday, April 6:

- 10:30-11:30 Meeting in Lecture Hall FB53, Albanova, NORDITA.
12:00-13:00 Lunch Restaurant Albanova
13:30-15:30 **Lecture I:** Transition to turbulence (*Henrik Alfredsson*)
15:30-16:00 Coffee Break
16:00-18:00 **Lecture II:** Introduction to turbulent boundary layers (*Philipp Schlatter*)

Wednesday, April 7:

- 08:30-10:30 **Lecture III:** Atmospheric boundary layers (*Beverley McKeon*)
10:30-11:00 Coffee Break
11:00-12:00 **Lecture IVa:** Rough boundary layers (*Jonathan Morrison*)
12:15-13:15 Lunch
13:30-14:30 **Lecture IVb:** Rough boundary layers (*Jonathan Morrison*)
14:30-14:45 Coffee Break
14:45-16:45 **Lecture V:** Issues in experiments (*Alessandro Talamelli/Jean-Daniel Riedi*)
17:00-17:45 Visit to the lab (*Henrik Alfredsson*)
18:00-20:00 Reception at Syster'o'Bror

Thursday, April 8:

- 08:30-10:30 **Lecture VI:** Compressible boundary layers (*Neil Sandham*)
10:30-11:00 Coffee Break
11:00-12:00 **Lecture VIIa:** Issues in DNS (*Gary Coleman*)
12:15-13:15 Lunch
14:00-15:00 **Lecture VIIb:** Issues in DNS (*Gary Coleman*)
15:00-15:30 Coffee Break
15:30-17:30 **Lecture VIII:** Modelling and LES (*Geert Brethouwer*)
18:30-21:00 School dinner in Restaurant Ciociara, Valhallavägen 69

Friday, April 9:

- 08:30-10:30 **Lecture IX:** Passive scalars (*Hiroyuki Abe*)
10:30-11:00 Coffee Break
11:00-12:00 **Lecture Xa:** Scaling and statistical dynamics of structures (*Zhen-Su She*)
12:15-13:15 Lunch
13:15-14:15 **Lecture Xb:** Scaling and statistical dynamics of structures (*Zhen-Su She*)
14:30-15:00 Closing Session