

Scope of the Autumn School

The objective of this Autumn School is to present the latest developments, insights, methods, and ideas in the field of Model Order Reduction (MOR), a rapidly growing area of research, and indications for future research directions.

The school is aimed at international PhD and advanced undergraduate students from mathematics, systems and control, and engineering sciences, as well as researchers from academia and industry who wish to obtain a thorough understanding of the latest developments in the subject, and a sound basis for further development of their knowledge.

A second objective is to initiate active working groups in Europe that will work on various topics such as MOR and optimization, robust-parameterized MOR (for large parameter variations in Design for Manufacturing), structure-preserving MOR, MOR for coupled problems, passivity, and MOR for nonlinear problems. This can be combined with work on challenging industrial problems from the electronics industry, automotive industry, pharmaceutical industry, financial sector, and others.

The Autumn School is inspired by research done within the European RTN-project COMSON.

Lecturers

Renowned specialists in the area of Model Order Reduction will give the lectures at the Autumn School. Each of them will give a number of lectures, starting from an introductory level, and then descending into more detail, presenting recent developments and future research directions. We have invited the following experts:

Thanos Antoulas (*Rice Univ., Houston, TX, USA*)

Zhaojun Bai (*UC Davis, CA, USA*)

Daniel Ioan (*Pol. Univ. of Bucharest, Romania*)

Karl Meerbergen (*KU Leuven, Belgium*)

Volker Mehrmann (*TU Berlin*)

Timo Reis (*Rice Univ, Houston, TX, USA; TU Berlin*)

Michal Rewienski (*Synopsys, Mountain View, CA, USA*)

Joost Rommes (*NXP Semiconductors, O-MOORE-NICE*)

Jacquelien Scherpen (*Univ. Groningen, The Netherlands*)

Luis Miguel Silveira (*INESC-ID, Lisbon, Portugal*)

Venue

The Autumn School will be held on Terschelling, which is one of the islands in the northern part of The Netherlands.



Transportation

The island of Terschelling can only be reached by boat from the city of Harlingen in the province of Friesland. There are two types of ferries, a fast catamaran type and a more conventional ferry that can carry cars.

Local Organising Committee

Work Package 3 of the European Research and Training Network COMSON, a Marie Curie activity, organizes the school. TU Eindhoven is the main local organiser, and will handle all organisational issues. The local organising committee consists of the following persons:

Prof. Dr. W.H.A. Schilders

Dr. E.J.W. ter Maten

Dr. M.E. Hochstenbach

Dr. J. Rommes



Sight seeing

Terschelling is a beautiful island and, although small, there are many possibilities for sightseeing or leisure activities.



The largest village is West-Terschelling, which is close to the location of the school. It is an old fisherman's village, with cosy restaurants and cafes, and one of the oldest light houses in the Netherlands called the "Brandaris". There are also many opportunities for cycling, or walking on the beaches.

Registration

The preferred method of registration is to contact Mrs. Enna van Dijk by electronic mail at casa@tue.nl, or by ordinary mail to the address listed on the back of this flyer (see "Cancellation of registration").

Registration fee

Thanks to generous COMSON funding, the registration fee for these 5 days covers workshop attendance, 4 nights accommodation (Mon-Fri 21-25 September), all meals, coffee/tea, and an excursion.

Registration Fee: Euro 300,-

Additional nights (for instance Sunday 20 September) may be booked at own costs directly at the hotel. Please specify your wishes clearly to the contact below.

Payment Registration Fee

Registration Fee payments are requested to be made in Euro by bank transfer. Credit cards and cheques can not be accepted. All banking costs have to be paid by the participant.

Account number: 6167011 (ING Bank)

Account holder: Stichting SCEE, Waalre, The Netherlands
IBAN: NL85 INGB 0006167011
Swift/BIC code: INGBNL2A.

Cancellation of registration

Any cancellations or changes must be made in writing to:

COMSON WP3 Autumn School

Att.: Mrs. Enna van Dijk

Eindhoven University of Technology (HG8.38)

PO Box 513

5600 MD Eindhoven, The Netherlands

Upon receipt of a written cancellation notice before September 11, 2009, 70% of the total registration fee will be refunded. For cancellations after this date, no refund can be made.

Additional accommodation

Accommodation for additional nights is handled by the Hotel [refer to: COMSON Autumn School TU Eindhoven]:

Golden Tulip Resort Schylge,

Mr Peter van Sijp

Burgemeester van Heusdenweg 37

8881 ED Terschelling West

tel. (0562) 442111

fax. (0562) 442800

e-mail: schylge@westcordhotels.nl

Contributed presentations

We warmly welcome abstracts for contributed talks. Please send an abstract to the organizers as soon as possible. Acceptance will be based on available time slots and number of submitted presentations, where early received abstracts may be given preference.

Important dates

Deadline for registration: **August 31, 2009**

Deadline for contributed presentations: **July 31, 2009**

Useful links

- Train connections to Harlingen Haven (Harbour): <http://www.ns.nl>
- Ferry Harlingen – Terschelling (ask for a return): <http://www.rederij-doeksen.nl/>, also offering connections to Vlieland on 22-23-24 September
- Hotel Schylge: <http://www.hotels.nl/terschelling/schylge/> or <http://www.hotel.schylge.op-terschelling.nl/>
- History: <http://en.wikipedia.org/wiki/Terschelling>
- General information Terschelling: http://islas.ruudbijlsma.nl/tsl_en.htm
- Cultural information: <http://www.lancewadplan.org/Cultural%20atlas/NL/Terschelling/terschelling.htm>
- Photo Gallery: <http://zichtopterschelling.pothof.info/>



Autumn School

“Future Developments in Model Order Reduction”



September 21-25, 2009

**Golden Tulip Hotel “Schylge”
Terschelling, The Netherlands**

<http://www.win.tue.nl/casa/meetings/special/mor09/>

**Includes call for
contributed presentations**