Registration to the Symposium

Please note that registration should be made only through the official Symposium web site:

http://www.hrlm-symposium.org

The Symposium registration fee includes all costs for coffee breaks, lunch, cocktails and a dinner during the symposium. In addition, a "social event" is planned, which will be announced on the Web site mentioned above.

Moreover, the registration fee covers all material needed for the conference as well as the book proceedings to appear in the Springer Series on "Numerical Notes in Fluid Mechanics and Multidisciplinary Optimisation (NNFM)".

With the support of the Symposium sponsors, the organising committee offers a considerable reduction of the Symposium fee for university students.

The following registration fees apply:

450 € Participants
450 € Software vendors (stands to be provided)
250 € Students

During the symposium, an **Exhibition of Commercial CFD Software** is planned. Commercial CFD software vendors are welcome to demonstrate their product at the Symposium venue.

For further details, please contact the Symposium Chairmen and organizers via e-mail:

Prof. Shia-Hui Peng (peng@foi.se)
Prof. Yannick Hoarau (hoarau@unistra.fr)
Dr. Dieter Schwamborn (dieter.schwamborn@dlr.de)
Dr. Alistair Revell (alistair.revell@manchester.ac.uk)

After its 1st event, held in Stockholm, the symposium has taken place subsequently in Corfu, Gdansk, Beijing and most recently in Colleage Station (Texas). For its traditional collaboration and interaction with EU projects, the HRLM Symposium provides additionally an unique platform of dissemination and exploitation of international projects in the field.

The 6th Symposium offers the opportunity to communicate and exchange knowledge for academic researchers, graduate students, industrial engineers, as well as industrial R&D managers and consultants working in the fields of modelling of turbulent flow physics, simulations and measurements, and multidisciplinary CFD applications, such as flow control, aero-acoustics, aero-elasticity and CFD-based multidisciplinary optimisation.

Organising and Scientific Committee

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6th Symposium on Hybrid RANS-LES Methods

September 26-28 2016

University of Strasbourg, Strasbourg, France

Abstract submission extended to 27 June

Just scan:

and register at:
http://www.hrlm-symposium.org

Organised by:

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UNIVERSITÉ DE STRASBOURG

ICUBE

6th Symposium on Hybrid RANS-LES Methods

September 26-28 2016

Universit of Strasbourg, Strasbourg, France

Hybrid RANS-LES methods have been increasingly used as a powerful engineering modelling approach in computations for complex turbulent flows in industrial aerodynamic applications.

Covering fundamentals of modelling flow physics and applications to industrial flow problems, the Symposium addresses the most recent and new developments on advanced URANS and hybrid RANS-LES methods in general, as well as other noval modelling approaches enabling turbulence-resolving simulations.

The 6th Symposium provides an unique open forum for researchers and industrial engineers to exchange knowledge, to discuss new solutions of flow problems, and to present recent achievements in development and applications of hybrid RANS-LES methods - including modelling of flow physics and related numerical issues.

The 6th Symposium encourages to present new emerging ideas that may inspire future developments and applications of hybrid RANS-LES methods for improved computational accuracy and efficiency in industrial needs.

Main conference topics

- Advanced unsteady RANS (URANS) modeling
- Improved hybrid RANS-LES methods and other noval turbulence-resolving modelling approaches
- Embedded LES (ELES)
- Wall-modelled LES (WMLES)
- LES for high-Re-number turbulent flows and/or for industrial applications with complex geometry
- Comprative studies of hybrid RANS-LES and/or other turbulence-resolving simulations
- Modelling-related numerical issues (including high-order numerical schemes)
- Lattice-Bolzman methods and turbulence-resolving applications.
- Industrial applications of hybrid RANS-LES methods
- Commercial CFD software exhibition/demonstration

Invited Keynote Speakers

Prof. Song Fu, Tsinghua University, China

Dr. Sylvain Lardeau, CD adapco Ltd., UK

Prof. Remi Marceau, CNRS-Univ. of Pau, France

Dr. Florian Menter, ANSYS Inc., Germany

Dr. Philippe Spalart, Boeing Commercial Airplanes, USA

Abstracts, Presentations, Papers

- An **Abstract of 1-2 (max) pages** must be submitted.
- **Full Papers** (10 pages) a draft should be submitted prior to the conference at latest.
- Following a peer-review, **Revised Full Papers** will be published in Springer Series: *"Notes on Numerical Fluid Mechanics and Multidisciplinary Design"*.
- **Presentation (incl. discussion): 25 minutes** for session presentations. **50 minutes for invited keynote lectures**.
- **Both abstracts and full papers** must be uploaded to the Webite using the Templates (downloadable on the website, MS-Word for abstracts and full papers, LaTeX for full paper only).

Important Dates

27 June 2016: Deadline for abstract submission

20 July 2016: Notification of acceptance

31 July 2016: Early bird online registration

15 August 2016: Hotel booking deadline

25 September 2016: Deadline 1st draft of full paper

Tentative Programme

26 September 2016

08:00 – 09:00	*Registration*
09:00 – 09:10	Welcome – Opening
09:10 – 10:00	Invited keynote I
10:00 – 10:20	*Coffee*
10:20 – 12:25	Session I (A&B) (5 + 5 contributions – 25 min each)
12:25 – 14:00	*Lunch*
14:00 – 14:50	Invited keynote II
14:50 – 16:30	Session II (A&B) (4 + 4 contributions – 25 min each)
16:30 – 16:50	*Coffee*
16:50 – 18:30	Session III (A&B) (4 + 4 contributions – 25 min each)
20:00	**"Social event"**

27 September 2016

08:30 – 09:20	Invited keynote III
09:20 – 10:50	Session IV (A&B) (4 + 4 contributions – 25 min each)
10:50 – 11:10	*Coffee*
11:10 – 12:50	Session V (A&B) (4 +4 contributions – 25 min each)
12:50 – 14:00	*Lunch*
14:00 – 14:50	Invited keynote IV
14:40 – 16:20	Session VI (A&B) (4 + 4 contributions – 25 min each)
16:20 – 16:40	*Coffee*
16:40 – 18:20	Session VII (A&B) (4 + 4 contributions – 25 min each)
20:00	Conference Dinner

28 September 2016

08:30 – 09:20	Invited keynote V
09:20 – 10:50	Session VIII (A&B) (4 + 4 contributions – 25 min each)
10:50 – 11:10	*Coffee*
11:10 – 12:50	Session IX (A&B) (4 + 4 contributions – 25 min each)
12:50 – 13:10	Poster award / Closing remarks
13:10	Lunch