

## **Tetrahedron VII: Seventh Workshop on Grid Generation for Numerical Computations**

### **Objectives**

The Tetrahedron Workshop is an international conference focusing on 3D meshing technologies and any topics with a strong link with 3D mesh generation in the context of concrete industrial applications. Considered topics are all kinds of surface and volume mesh generation methods (unstructured and structured), high-order mesh generation, parallel mesh generation, adaptive meshing methods, moving mesh methods, and computer-aided design. The conference also focuses on the place of mesh generation in industry. Another of the goals of the Tetrahedron Workshop is to gather both theoretical and practical specialists in the field of meshing technology for numerical simulation in industry.

- See roll up [here](#).

It is an original international conference in the sense that :

- presentations are by invitation only
- there is no parallel session
- all participants can present a poster
- the number of participants is limited (80 for that edition)
- there is no registration fee thanks to the generous sponsors

The previous editions were hosted by the Weierstrass Institute in Berlin in 2005, by INRIA Rocquencourt in Paris in 2007, by the Swansea University in 2010, by Politecnico di Milano in Verbania in 2013, by University of Liège in 2016, and by INRIA in 2019.

Registration for the workshop will be mandatory. Lunch meals and the banquet will be complimentary. Travel expenses, logging and diners are at the participant's own charge.

### **Registration**

If you are interested in attending to Tetrahedron VII, we invite you to fill out the following form that grants a free registration to the workshop (up to current capacity):

<https://forms.gle/tMR1YHSVU1neEZ7g6>

# Workshop Program

The workshop program is composed of 5 keynote presentations (1 hour) and 15 presentations (30 minutes) over two and a half days. Abstracts and presentation slides will be provided.

## Keynote speakers

- Frédéric Alauzet - INRIA Saclay, France
- Jean-François Remacle - Université Catholique de Louvain, Belgium
- Trevor Robinson - Queen's University Belfast, UK
- Eloi Ruiz-Gironés - Barcelona Supercomputing Center, Spain
- Hang Si - Cadence System Design, Inc., USA

## Confirmed Invited Speakers

- David Bommès - University of Bern, Switzerland
- Pierre Alliez - INRIA Sophia Antipolis, France
- Olivier Coulaud - CENAERO, Belgium
- Darren Engwirda - Los Alamos National Laboratory, USA
- Tzanio Kolev - Lawrence Livermore National Lab, USA
- Franck Ledoux - Commissariat à l'énergie atomique, France
- Bruno Levy - INRIA Nancy, France
- Joaquim Peiró - Imperial College London, UK
- Jeanne Pellerin - TotalEnergies, France
- Per-Olof Persson - University of California, Berkeley, USA
- Rubén Sevilla - Swansea University, UK
- Dimitry Sokolov - Université de Lorraine, France
- Vladimir Tomov - Lawrence Livermore National Lab, USA

## Posters

There will be a poster exhibition room throughout the workshop. For practical reasons, participants who like to contribute a poster are invited to inform the organizers.

## Accommodation

There are many hotels and restaurants choices in Barcelona. The **UPC North Campus** is close to the subway station **Zona Universitària (Line 3)**. Accordingly, we recommend participants to stay in Barcelona close to a **subway station of Line 3 (green line)**.

## Sponsors



Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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