



**NUMACH 2018**

## **Numerical Methods for Challenging Problems**

**Mulhouse**

**July 16-18, 2018**

### **Speakers**

Etienne Ahusborde (University of Pau, France)	Frederic Nataf (LJLL-Paris, France)
Faker Ben Belgacem (UTC-Compiègne, France)	Elena Palomo Del Barrio (CIC energiGUNE)
Adel Blouza (University of Rouen, France)	Christophe Prud'homme (IRMA-Strasbourg, France)
Yongyong Cai (CSRC-Beijing, China)	Adélia Sequeira (IST-Ulisboa, Portugal)
Helmut Harbrecht (Universität Basel, Switzerland)	Jie Shen (Purdue university, USA)
Nabil Gmati (ENIT-Tunis, Tunisie)	Antoine Rousseau (INRIA , France)
Mahmoud Kaber (LJLL-Paris, France)	Chuanju Xu (Xiamen university, China)
Iraj Mortazavi (CNAM-Paris, France)	Li-Lian Wang (NTU, Singapore)
Mohammed Masmoudi (France)	

### Organizing committee

Z. Belhachmi (LMIA-IRIMAS, UHA), M. Azaeiz (INP, Bordeaux)

### Aim and scope

Mathematical modelling and numerical simulation have become a major field of research with a broad range of applications in physics, engineering and life sciences.

Their success in different fields of science and technology is closely paired with the increasing number of challenging problems resorting to them. Such problems with growing complexity and size involve the development of new models, numerical methods, efficient algorithms and advanced computing techniques.

The aim of the conference is to highlight recent achievements and new trends in this field, and to bring together experts from various domains of the mathematical modelling and high level scientific computing.

The conference is addressed to a large public of researchers and engineers.

### Topics:

- Mathematical modelling
- Algorithms
- Fast Computational Techniques
- Numerical analysis