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**NUMACH 2018**

**Numerical Methods for Challenging Problems**

**Mulhouse**

**July 16-18, 2018**

**Speakers**

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

**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 computating.

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

**Topics:**

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