



# IMAC First Session on Numerical Methods for Partial Differential Equations

First event of the academic year 2011-12  
IMAC, Universitat Jaume I, Castellón, Spain

**20 October 2011**  
Aula Magna, ESTCE

## Schedule

- 10:00 – 10:15      Presentation
- 10:15 – 10:45      Introduction by **Francisco Michavila**
- 10:45 – 12:00      **Pierre-Arnaud Raviart**, CNRS Emeritus Research Director  
Laboratoire Jacques-Louis Lions, Paris  
*On the mathematical modelling and the numerical approximation  
of complex flows: the example of multiphase flows*
- 12:00 – 12:15      Coffee break
- 12:15 – 13:30      **Raphaèle Herbin**, Université de Provence, Marseille  
*Staggered schemes for compressible flows*
- 13:30 – 15:00      Lunch
- 15:00 – 16:15      **Rosa Donat**, Universitat de València  
*Well balanced schemes for shallow water flows*
- 16:15 – 16:30      Closure of the Session

Chair:            **Francisco Michavila**, Universidad Politécnica de Madrid.  
Honorary Rector of Universitat Jaume I