

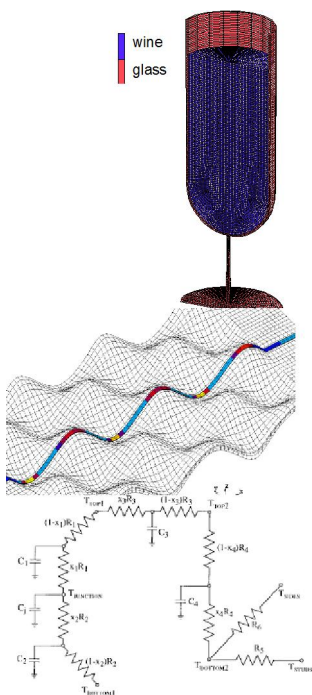
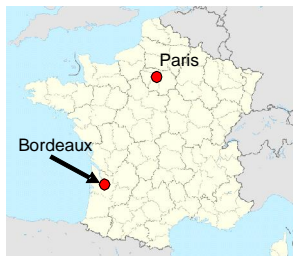


EurosimE 2010

CALL FOR PAPERS

Thermal, Mechanical & Multiphysics Simulation and Experiments in Micro/Nano-Electronics and Microsystems

Bordeaux, France, April 26-27-28 2010



The Conference

After ten successful editions of the EuroSimE conference, an eleventh edition, EuroSimE 2010, is planned in Bordeaux, France. The conference will address the results of both fundamental research and industrial application for **thermal, mechanical** and **multiphysics** simulation and experiments of micro/nano-electronics and microsystems. The conference will include keynote presentations and sessions with a wide range of topics including, but not limited to:

Subjects:

- Multi-physics simulation (thermal, mechanical, thermo-mechanical, coupled thermo-fluidic, coupled electro-mechanics, fluid-structure interactions...)
- Failure analysis and failure mode extraction
- Material characterisation, experiments and modelling
- Validation of simulations by experiments
- Failure criteria and damage-modelling for reliability prediction
- Integrated process modelling
- Advanced numerical and analytical simulation methodologies and tools
- Behavioural modelling
- Simulation-based optimisation, virtual prototyping in product and/or process design
- Compact modeling and model order reduction

Applications:

- Components and packaging (flip-chip, BGA, CSP, Wafer-Level packages, MCM, Cu/low-k packages)
- Opto-electronic packages
- High temperature and high power packaging
- Piezoelectric components
- Packaging for harsh environments
- "More than Moore" applications, such as various SiP, Microsystems, MEMS, sensors actuators, and MOEMS
- Wafer processing, chip design and reliability
- Nano-electronics
- PWB design ad applications
- Bio-electronics, bio-MEMS/NEMS and microfluidics

Conference features

- **Short courses** will be offered for professional training. The subjects will be announced later.
- Three days of **technical sessions** for oral and poster presentation.
- A parallel **exhibition** from experiment suppliers, simulation and optimization software companies.

To Submit an Abstract

You are invited to submit an abstract of about 500 words describing the scope, content, and key points (originality, specific results and potential impact).

Upload your abstract on <http://www.eurosimE.org/>

Abstracts must be received by **November 27, 2009 (final deadline !)**

Authors will be notified after **December 21, 2009**

Deadline for the final manuscript is **February 15, 2010**