

CEMRACS'08

Centre d'été mathématique de recherche avancée en calcul scientifique

Modelling and Numerical Simulation of Complex Fluids

21st July - 29th August 2008
Marseille, France

Summer School
21st July - 26th July

Research Session
28th July - 29th August

Six-week Young Researcher Grants available

Summer School Speakers

George Biros (Philadelphia)
Daniel Bonn (Paris)
Frédéric Dubois (Montpellier)
Elizabeth Guazzelli (Marseille)
John Hinch (Cambridge)
Tony Lelièvre (Marne-la-Vallée)
Mohammed Naaim (Grenoble)
Thomas Podgorski (Grenoble)
Jacques Prost (Paris)
Marius Tucsnak (Nancy)
Philippe Villedieu (Toulouse)

Cemracs'08 is the opportunity for mathematicians and physicists to address some of the challenges in scientific computing raised by the modelling of complex fluids for industrial applications. By developping high performance numerical tools to simulate the microscopic motion of such fluids, we aim at investigating the effect of small scale phenomena onto the macroscopic behaviour of complex mixtures.

Organizing Committee

Jean-Baptiste Apoung Kamga (Orsay)
Laurent Boudin (Paris)
Mourad Ismaïl (Grenoble)
Sébastien Martin (Orsay)
Bertrand Maury (Orsay)
Chaouqi Misbah (Grenoble)
Takéo Takahashi (Nancy)

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<http://smi.emath.fr/cemracs/cemracs08/>

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