

**A workshop on  
Mechanical Behaviour of Systems at Small Length Scales – 2  
5–9 February 2007**

This workshop, a follow-up to the one conducted in January 2004, will cover the broad area of the mechanical response and reliability of materials in small volumes. In addition to traditional areas of fundamentals of thin films and interfaces, there will be emphasis this time on thermal barriers and MEMS. Internationally renowned experts will deliver lectures on conceptual fundamentals as well as on cutting edge research in areas that include the mechanics of deformation and fracture, experimental methods for the evaluation of reliability and mechanical properties, adhesion and finite element/atomistic modelling. This workshop is aimed at students, researchers and industrial practitioners who wish to develop their background in the general area of the mechanical behaviour of materials with small length scales with applications in coatings for thermal protection, wear resistance and cutting tools and in thin film devices and micromechanical systems.

For further information see <http://met.iisc.ernet.in/~workshop2/> or

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**Post doctoral fellowship on granular flows at the University of Provence  
Marseille, France**

The post doctoral fellowship is part of a collaborative research project between the University of Provence, Marseille and the Indian Institute of Science, Bangalore. The project is on the physics and mechanics of granular flows. Broadly, it aims to improve understanding of the mechanics and statistics of dense, slow granular flow, and ultimately to develop a hydrodynamic description for these systems. The project involves experiments, numerical simulations, and theoretical analysis: applicants with interest and/or expertise in one or more of these aspects are encouraged to apply.

The post doctoral fellow will work in the GEP group at the University of Provence, and collaborate with the group of Prabhu R. Nott at the Indian Institute of Science. Both groups have been conducting fundamental research in the area of granular and suspension flows (more details at <http://iusti.polytech.univ-mrs.fr/IUSTI/Equipes/Gep/gep.htm> and <http://chemeng.iisc.ernet.in>). Applicants must be citizens of India with a Ph D in Engineering or Physics, and having good quality publications in granular materials, fluid dynamics, soft condensed matter or related areas. The position is full time for a period of one year. A salary of 1850 Euros/Month will be provided by the Indo-French Center for the Promotion of Advanced Research.

Requests for information and applications (CV, brief description of research interests, and a list of potential referees) should be sent by e-mail to Olivier Pouliquen ([Olivier.Pouliquen@polytech.univ-mrs.fr](mailto:Olivier.Pouliquen@polytech.univ-mrs.fr)) or Prabhu R. Nott ([prnott@chemeng.iisc.ernet.in](mailto:prnott@chemeng.iisc.ernet.in)).