

May 2012						
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Events

Physics of Amorphous Solids: Mechanical Properties and Plasticity

Location	Les Houches, France
Date	14 - 19 March 2010
Calendar file	.vcs .ics

The objective of the workshop was to review state-of-the-art research in the fundamental physics of amorphous solids. The event also looked at the mechanical response of amorphous solids to large deformations, including homogeneous yielding via the elasto-plastic transition and flow localisation.

These days, there is interesting scientific progress taking place in this area of research. This includes advances in both experimental and simulational techniques which provide more detailed information about the elementary mechanisms of deformation in diverse systems. They benefit from the many parallels drawn between glasses of dissimilar natures such as metallic glasses, polymeric glasses, pastes, foams, gels,...

The workshop will gather leading theoreticians and experimentalists working on metallic, colloidal, and polymeric glasses in order review the state of research in the field. In particular, we will assess what is known and what is questionable about elementary mechanisms of deformation. We will also confront leading theories with experimental and numerical results, and we will question the extent of the similarity (or universality) of behavior between different glasses. Therefore, we hope to spur fruitful exchanges between communities working on different systems, gained experimental access to broader scales and mechanical test conditions.

For more information, please visit
<http://www.weizmann.ac.il/conferences/LesHouches/home.html>

Registration

Registration open

How to Register

Please complete the registration form no later than 29 January 2010.

[Registration Form](#)

Organising Committee

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Venue

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[Website of venue](#)



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