



**Grupo de NanoMateriales, [www.gnm.cl](http://www.gnm.cl)**  
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## Workshop on Condensed Matter and Materials Physics

In the framework of **1er Congreso Científico Facultad de Ciencias 2014**

Tuesday 3<sup>rd</sup>, June of 2014; 14-19 hrs, Sala A. Einstein,  
Departamento de Física, Facultad de Ciencias, Universidad de Chile

**14:00- 14:30** *Welcome; Computational materials science at Group of NanoMaterials*

**Gonzalo Gutiérrez**, Depto. de Física, Facultad de Ciencias, U. de Chile

**14:30-15:00** *Physics of materials by computer simulation*

**Ju Li**, Dept of Nuclear Engineering and Dept Mat. Science, MIT, USA

**15:00-15:30** *Entropy and density of states from microcanonical atomistic computer simulation*

**Sergio Davis**, Depto. de Física, Facultad de Ciencias, U. de Chile

**15:30-16:00** *Characterization of the axial plasma shock in a table top plasma focus after the pinch disruption and its possible application to testing materials for fusion reactors*

**Leopoldo Soto**, Depto. Plasmas Termonucleares CCHEN

**16:30-17:00** *About traceability and impurities effect in Chilean coppers,*

**Miguel Ignat**, CNRS Grenoble-FCFM-Codelco, U. de Chile

**17:00-17:30** *How do I think a solar cell works,*

**Eduardo Menéndez**, Depto. de Física, Facultad de Ciencias, U. de Chile

**17:30-18:00** *Technological process of CdTe solar cells,*

**Juan Luis Peña**, CINESTAV, Mérida, México.

**18:00-18:30** *Atomistic simulations of systems far from equilibrium*

**Eduardo Bringa**, Conicet, Univ. Cuyo, Mendoza, Argentina

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