

Organizing Committee

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Departamento de Engenharia de Materiais (DEMa)



Universidade Federal de São Carlos Centro de Ciências Exatas e de Tecnologia Programa de Pós Graduação em Ciência e Engenharia de Materiais



2nd International Workshop of the PPG-CEM / UFSCar:

NANOSTRUCTURED AND METASTABLE MATERIALS



São Carlos – Brazil
October 3rd 2012



Announcement

The 2nd International Workshop of the PPG-CEM/UFSCar: **NANOSTRUCTURED AND METASTABLE MATERIALS** will be held in the city of São Carlos, São Paulo state, Brazil on the October 3rd 2012 and will be hosted by Graduate Program in Materials Science and Engineering (PPG-CEM) and Department of Engineering Materials (DEMa) at Federal University of São Carlos (UFSCar).

The main scope of this workshop is for graduate students, research, professors, and scientists to bring to date some important topics.

Also, has part of the talks, the speakers will be presenting their Institutions and possibilities of exchanges and interchanges

We are very pleased to invite you to participate in this workshop and to discuss recent research results as well as future directions in this field of materials science and engineering.

Date: Wed, Oct. 03, 2012

Time: 8:30 AM – 6:30 PM

Where: Anfiteatro Florestan Fernandes
(In front of the UFSCar Library)

Certificate: Everyone attending the workshop will receive a participation certificate issued by organizing committee.

FREE Registrations – Please make your registration with

Marcio: (marcio_freitas2005@yahoo.com.br)

Sayonara: (sayonaraea@gmail.com)

Programme

08:30–09:00hrs – *Opening Ceremony*

09:00–10:00hrs - **Terence G. Langdon**. Departments of Aerospace & Mechanical Engineering and Materials Science, University of Southern California, Los Angeles, CA 90089-1453, USA and Materials Research Group, Faculty of Engineering and the Environment, University of Southampton, Southampton SO17 1BJ, U.K. **Evaluating the flow processes in ultrafine-grained materials at elevated temperatures**

10:00–11:00hrs - **Zenji Horita**. Department of Materials Science and Engineering, Faculty of Engineering, Kyushu University, Fukuoka 819-0395, Japan and WPI, International Institute for Carbon-Neutral Energy Research (I²CNER), Kyushu University, Fukuoka 819-0395, Japan. **Production of Nanograined Intermetallics Using High-Pressure Torsion**

11:00–12:00hrs - **Jose Maria Cabrera**. Departamento de Ciencia de los Materiales e Ingeniería Metalúrgica, Universidad Politécnica de Cataluña, Barcelona Tech, Av. Diagonal 647, 08028 – Barcelona, Spain and Fundación CTM Centre Tecnològic, Av Bases de Manresa 1, 08242-Manresa, Spain. **Effect of the Chemical Composition on the Mechanical and Microstructural Evolution, Thermal Stability and Electrical Conductivity of Copper Processed by Equal Channel Angular Extrusion.**

12:00–14:00 Lunch

14:00–15:00hrs - **Konstantinos Georgarakis**. Euronano, SIMAP-CNRS, Institut Polytechnique de Grenoble, France and WPI Advanced Institute for Materials Research (WPI-AIMR), Tohoku University, Japan. **Crystallization and absence of thermal embrittlement in hypoeutectic Fe-B metallic glasses.**

15:00–16:00hrs - **Mihai Stoica**. Leibniz Institute for Solid State and Materials Research Dresden, Institute for Complex Materials, Helmholtzstr. 20, 01069 Dresden, Germany. **Mechanical and magnetic properties of Fe-based amorphous and nanocomposite alloys**

16:00–16:15hrs – *Coffe break*

16:15 – 17:15hrs – **Jacques Huot**. Université du Québec à Trois-Rivières, 3351 des Forges, Trois-Rivières, Québec, G9A 5H7, Canada. **Use of cold rolling for the synthesis and preparation of metal hydrides**

17:15 – 18:15hrs - **Stefano Deledda**. Physics Department, Institute for Energy Technology, P.O. Box 40, 2027 Kjeller, Norway. **Mg-based transition-metal complex hydrides produced by reactive milling**

18:15hrs – *Closing ceremony*