

DSC 2012

MATERIALS SCIENCE IN THE WILDERNESS

17 – 20 JUNE 2012

CALL FOR PRESENTATIONS

Please send this form (one per person) to the secretary before 14/01/2012

First name :.....

Surname :.....

Title :

Company :.....

Address :

.....

.....

Tel. :.....

Email:.....

I am (check one):

a student and would like present my work at DSC2012

an accompanying researcher of

.....

a researcher and would like to present a poster

working in the industry and would like to participate in the seminar

Topic/title of my presentation:

.....

.....

.....

Deadlines

-14/01/2012 - Extended Abstracts due
(2 pages A4, text in English, illustrations if necessary, written in .doc format). The template can be found on the seminar website: www.dymat.org

-18/02/2012 - Notification of acceptance

- 31/03/2012 - Registration deadline

Registration Fees

Before 31st of March, 2012

The registration fee includes participation in the seminar, meals, accommodation in a single room at the Murikka Institute (3 nights from 17th to 20th), boat cruise on the Lake Näsijärvi, sauna party, banquet, and transportations during the event.

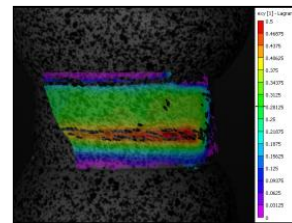
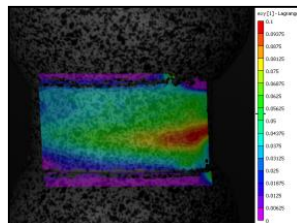
Students: 425 €

Researchers: 600 €

Industry representatives : 750 €

Registration forms are available online at www.dymat.org

DYMAT will provide financial support to the participating students by covering 50 % of their actual travel expenses up to 200 € per student. Instructions for reimbursement can be found on the seminar webpage.



DSC 2012

2nd DYMAT Student Camp

« MATERIALS SCIENCE IN THE WILDERNESS »

Tampere, Finland

17-20 June 2012



Call for Presentations

Organized by :

Tampere University of Technology
Department of Materials Science
Tampere, Finland
and the DYMAT Association



PRELIMINARY PROGRAM

CALL FOR PRESENTATIONS

Objectives

Understanding the dynamic behavior of materials is increasingly important in many applications in the modern world. The most obvious examples are different direct impact events such as car crashes, but also modern production methods are often so fast that the material behavior is no longer quasi-static and the dynamic behavior of the materials needs to be properly accounted for. Also, modeling and simulation of processes and events often requires knowledge of the behavior of the material at high rates. There are various physical phenomena involved in the dynamic material behavior, as well as in the testing and simulation of these effects, and therefore understanding all this is a very challenging task.

The Department of Materials Science at Tampere University of Technology, together with the DYMAT Association, organizes a Summer School DSC 2012 *Materials Science in the Wilderness* targeted at students and post-docs who work in the field of dynamic material behavior, testing, and simulations. DSC 2012 will be arranged in Tampere, Finland, from June 17th to 20th 2012. The Summer School will be arranged at the Murikka Institute by the Lake Näsijärvi, where the midsummer sun shines nearly 24 hours every day. This meeting is a great opportunity for students and post-docs to present their research. For each student presentation (25 minutes), a discussion (20 minutes) will be led by well-known tutors in order to thoroughly discuss and analyze their research work with the audience.

The objective of the summer school is to offer the students a forum for scientific exchange of thoughts and ideas and discussions about their research problems, experiences, and expertise. In addition to the scientific program, an extensive social program will be arranged including Finnish sauna and barbeque by the lake.

	Sun. 17 th	Mon. 18 th	Tue. 19 th	Wed. 20 th
8.30		Keynote lecture Presentations	Keynote lecture Presentations	Presentations
12.00		Lunch	Lunch	Lunch
13.00	17.00 Welcome to Tampere	Presentations	Visit to TUT (Hands-on Workshop)	Concluding remarks
18.00	Cruise on the Lake Näsijärvi	Sauna Party and BBQ	Banquet	
Midnight	Opening of the school and keynote lecture			

Themes

- Impact behavior of materials and structures
- Digital Image Correlation in Materials Research
- Dynamics of structures
- Modeling and constitutive equations
- Experimental and numerical methods (DEM or FEM) for dynamic applications
- Microstructural effects of dynamic loading
- Materials: metals, polymers composites, cellular materials, concrete...

Scientific Tutoring Committee

- V-T. KUOKKALA, Tampere University of Technology, Finland
- P. VIOT, LAMEFIP ENSAM, France
- H. COUQUE, Nexter Munitions, France
- N. BAHLOULI, IMFS, France
- M. HOKKA, Tampere University of Technology, Finland
- F. GÁLVEZ, Universidad Politécnica de Madrid, Spain
- E. MARKIEWICZ, Université de Valenciennes, France
- J. SEIDT, The Ohio State University, USA
- S. HIERMAIER, Fraunhofer EMI, Germany
- E. CADONI, SUPSI, Switzerland
- S. WALLEY, University of Cambridge, UK

INFORMATION

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Secretary and Registration

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Conference location

Murikka Institute
Tampere, Finland
<http://www.murikka-opisto.fi/portal/en/>

