

The Major Event for Young Materials Scientists

JUNIOR EUROMAT 2012

The Federation of European Materials Societies

23 - 27 JULY 2012
LAUSANNE, SWITZERLAND

The Federation of European Materials Societies represented by:

- Associazione Italiana Compositi & Affini, Assocompositi (I)
- Associazione Italiana d'Ingegneria dei Materiali, AIMAT (I)
- Associazione Italiana di Metallurgia, AIM (I)
- Austrian Society for Metallurgy and Materials, ASMET (A)
- Benelux Métallurgie, BM (B)
- Bond voor Materialenkennis, BvM (NL)
- Czech Society for New Materials and Technologies, CSNMT (CZ)
- Danish Metallurgical Society, DMS (DK)
- Deutsche Gesellschaft für Materialkunde, DGM (D)
- Deutscher Verband für Materialforschung und -prüfung e.V., DVM (D)
- Estonian Materials Science Society, EMSS (EE)
- Institute of Materials, Minerals & Mining, IOMMM (UK)
- Latvian Materials Research Society, LMRS (LV)
- Lithuanian Materials Research Society, LtMRS (LT)
- Materials Research Society of Serbia, MRS-SERBIA (RS)
- Metal Science Society of the Czech Republic, MSS (CZ)
- Norsk Metallurgisk Selskap, NMS (N)
- Országos Magyar Bányászati és Kohászati Egyesület, OMBKE (H)
- Polish Society for Materials, PMT (PL)
- Swiss Association for Material Science and Technology (CH)
- Slovensko Drustvo Za Materiale, SDM (SL)
- Hellenic Metallurgical Society, HMS (GR)
- Hellenic Society for the Science and Technology of Condensed Matter (GR)
- Sociedad Española de Materiales, Sociemat (E)
- Sociedade Portuguesa de Materiais, SPM (P)
- Society for New Materials and Technologies in Slovakia, SNMTS (SK)
- Société Française de Métallurgie et de Matériaux, SF2M (F)
- Svenska Föreningen för Materialteknik, SFMT (S)
- Ukrainian Materials Research Society, U-MRS (UA)

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Young materials scientists learn about materials science in other countries

JUNIOR EUROMAT has reached its 11th birthday. In the framework of this very successful series organised for young materials scientists, with events already biennially held since 1992, the Federation is sponsoring the event from 23-27 July 2012.

JUNIOR EUROMAT offers attractive opportunities to young materials scientists, constituting a wide-ranging tool for the integration in materials science and engineering. The symposium is intended to reflect the informal atmosphere of a summer school.

Who should attend?

The symposium will focus primarily on Master's and PhD students. There is, however, no limitation on the „categories“ and ages of participants. Any professor or industrial representative will be welcome.

A conference like any other?

JUNIOR EUROMAT will be organised as a poster conference, i. e. all the contributions will be on display as posters. But the poster authors are also requested to introduce their poster orally in one of the lecture halls (3 minutes each) using 3 transparencies. Subsequently, the authors will be available for further discussion in front of the poster panels. The sessions will be opened by keynote lectures.

Those wishing to present a poster should submit their proposal no later than 5 Mar. 2012 via email or internet to the Conference Secretariat in an one page abstract indicating the author and his or her affiliation as well as the topical division A...P. The abstract should be accompanied by a short curriculum vitae.



New since 2010

The recipient of the ‚FEMS Lecturer Award for Excellence in MSE‘ for 2012 will be decided in a special session at Junior Euromat where shortlisted candidates will give a presentation to the assembled audience. Further details of this award can be found at: www.fems.org/awards/index.php

Accommodation, Fees

Accommodation will be arranged mainly in youth hostels and guest houses at a price ranging from 50 to 100 SFR. Camping grounds are also available.

Participation Fee for Students up to 28 years 200 EUR (ID required). Participation Fee for other participants will be of the order of 300 EUR.

Topics

- A** Mechanical Properties: Plastic Deformation, Fatigue, Fracture, Creep
- B** Magnetic Properties, Superconductivity, Electronic Materials
- C** Corrosion, Wear, Biocompatibility
- D** Fundamental Aspects: Diffusion, Transformation, Dislocation Theory
- E** Metals: Al-, Mg-, Ti-, Ni-Alloys, Steel, Intermetallics, MMCs, Foams
- F** Ceramics, CMC, Glass
- G** Polymers, Polymer based-Composites
- H** Processing: Casting, Rolling, Extrusion, Powder Technology, Machining, Joining
- I** Surface Engineering: Laser, Spraying, CVD
- K** Simulation Methods and Modelling Methods
- L** Materials Characterisation: Mechanical Testing, Advanced Analytical Techniques NDE, Materiallography
- M** Biomimetic and Bioinspired Approaches; Biofunctional Materials
- N** Nanostructured Materials
- P** Electronic and Photonic Materials



FEMS
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Estonian Materials Society

Société Française de Métallurgie et de
Matériaux (SFM)

Deutsche Gesellschaft für Materialkunde (DGM)
Deutscher Verband für Materialforschung und
Prüfung (DVM)

Italian Society for the Science and
Technology of Condensed Matter

Országos Magyar Bányászati és Kohászati
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