

# JUNIOR EUROMAT 2010 <sup>FEMS</sup>

The Federation of European Materials Societies

## The Major Event

26-30 July 2010

## for Young

Lausanne, Switzerland

## Materials Scientists

[www.junior-euromat.fems.org](http://www.junior-euromat.fems.org) / [junior-euromat@fems.org](mailto:junior-euromat@fems.org)



Young materials scientists learn about materials science in other countries



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)
- Hellenic Metallurgical Society, HMS (GR)
- Hellenic Society for the Science and Technology of Condensed Matter, HSSTCM (GR)
- 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)
- Schweizerischer Verband für die Materialtechnik (SVMT)
- Slovensko Društvo Za Materiale, SDM (SL)
- 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)

jointly with the

European Materials Research Society

a member of the  
International Union of the  
Materials Research Societies IUMRS

JUNIOR EUROMAT has reached its 10th 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 26-30 July 2010.



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.

The banks of Lake Geneva - a summer place

The site of the Swiss Federal Institute of Technology and the University of Lausanne on the banks of Lake Geneva provide an excellent environment. There is access to the Lake and various sports grounds during the free-time.



# JUNIOR EUROMAT 2010

FEMS

The Conference for the next generation

## 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 **3 March 2010** 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.

## Industry Involvement

A very attractive feature in the former years were lectures given by company representatives who introduced themselves and discussed with the students typical materials engineering positions. In the view of the increasing demand for engineers in many European countries, recruiting graduates from other countries for jobs is no longer the exception for companies. JUNIOR EUROMAT could thus become an excellent forum for bringing both parties together.

Companies are therefore invited to introduce themselves in the form of a lecture, but they may also run a booth in the foyer of the lecture hall where they can display corporate features and meet students for further discussions. Their sponsorship could help to keep the conference fees for the students at an achievable level.

## New for 2010

The recipient of the 'FEMS Lecturer Award for Excellence in MSE' for 2011 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](http://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 220 EUR (ID required). Participation Fee for other participants will be of the order of 320 EUR.

## Tourist Office

Lausanne Tourist Office  
P.O. Box 49  
1006 Lausanne, Switzerland  
[www.junior-euromat.fems.org](http://www.junior-euromat.fems.org)  
[www.lausanne-tourisme.ch](http://www.lausanne-tourisme.ch)

## Conference Secretariat

Further information can be obtained from  
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## 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, Materialographie
- M Biomimetic and Bioinspired Approaches; Biofunctional Materials
- N Nanostructured Materials
- P Electronic and Photonic Materials