



FEDERATION OF EUROPEAN
MATERIALS SOCIETIES



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NEWSLETTER - August 2013

Welcome to EUROMAT 2013 in Seville, Spain This Year's Meeting Point for Europe's Materials Scientist

The upcoming conference in the EUROMAT conference series, EUROMAT 2013, will be held in Seville/Spain from September 8 to 13, 2013. It will be one of the most important meeting occasions of the MSE scientific community in 2013. The scope of the conference covers practically the whole spectrum of materials and applications: Latest advances in Structural Materials, Functional Materials and Materials for Energy and Environment or Biomaterials are some of the main topic areas. In addition, great efforts are being made to bridge industry and academia. Particular emphasis is given to young scientists and engineers with sessions like Career Development, Materials Education and Technology Transfer.

The Executive Committee of the Federation of European Materials Societies (FEMS), the Scientific and Managing Committees of EUROMAT 2013 as well as the organizing Spanish and Portuguese Materials Societies (SOCIEMAT and SPM) are looking forward to seeing you in Sevilla!

Ehrenfried Zschech, FEMS President
Frank Muecklich, Scientific Chair of EUROMAT 2013
Paloma Fernandez, Head of the Management Committee of EUROMAT 2013

<http://www.euromat2013.fems.eu>



The venue at night: Hotel Barceló Renacimiento, Seville

FEMS Awards 2013

The FEMS Awards 2013 distinguish three scientists for their excellent performance and their important contributions in the area of Materials Science and Engineering. All awardees will give plenary lectures at EUROMAT 2013.



European Materials Gold Medal

Prof. Michel Rappaz, Lausanne, CH

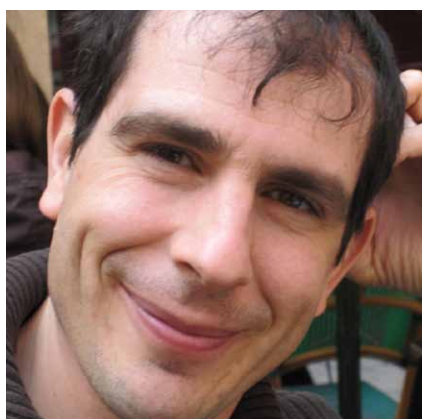
After a PhD in solid state physics (1979) at the Ecole Polytechnique Fédérale de Lausanne (EPFL) and a post-doc at Oak Ridge National Laboratory, Michel Rappaz joined the Laboratory of Physical Metallurgy of EPFL to start an activity on simulation of solidification in 1984. He was nominated Adjunct Professor in 1990 and Full Professor in 2003, time at which he took the lead of the laboratory, renamed then Computational Materials Laboratory.



Materials Innovation Prize

Prof. Johan Martens, Leuven, BE

Johan Martens received his PhD (1985) and his habilitation (1988) in applied biological sciences at the KU Leuven. He started his academic career 1982 at the Research Foundation Flanders. From 1988, he was lecturer and later senior lecturer at KU Leuven. He became a professor at this university in 1997, being the Head of the Department of Microbial and Molecular Systems (2005-2010) and also the Head of Centre of Excellence in Catalytic Science (2005-2009).



Materials Science and Technology Prize

Prof. Michel Perez, Lyon, F

Michel Perez received his engineer degree and his master degree in Materials Science from the University Lyon / INSA Lyon. He received his PhD with honours at INP Grenoble in 2000, with a thesis on contactless viscosity measurement by gas film levitation technique at INSA Lyon working on modeling of precipitation phenomena. Dr. Perez was nominated as assistant professor at INSA Lyon in 2001. After the defense of his habilitation thesis "Multi-scale approach of precipitation" he was nominated as full professor in 2010.

The FEMS Lecturers 2012 - 2013

With the FEMS Lecturers Awards, FEMS sponsors selected young materials scientists to lecture throughout Europe as “ambassadors” of the materials science community. Lecturers are selected based on the significance of their work and their ability to communicate effectively.



Ecole Polytechnique Fédérale de Lausanne, Switzerland

Kislun Voïtchovsky

After receiving a Bachelor and a Master degree in Physics from the University of Lausanne (CH) – both with honor, Kislun Voïtchovsky obtained a DPhil in Biophysics from the University of Oxford (UK) with a thesis on the characterization of biomembranes by using AFM in 2007. Part of his thesis was done in collaboration with NTT basic research laboratory, Atsugi, and with the research group of Prof. Ando at Kanazawa University, both in Japan. He was granted the Arthur Cooke Prize of the University of Oxford Physics Department for his work. Dr. Voïtchovsky was a SNSF Post-doctoral Research Fellow at the MIT Massachusetts Institute of Technology (USA) in the years 2008 - 2010.



CNR-Institute for Organic Synthesis and Photoreactivity, ISOF, Bologna, Italy

Vincenzo Palermo

Vincenzo Palermo received a Master degree with honor in Industrial Chemistry at the University of Bologna (IT) in 1995. He obtained his PhD in Physical Chemistry at the University of Bologna (IT) in a joint project with the CNR Istituto dei Composti del Carbonio ICOCEA also in Bologna in 2003. He won two graduate student awards at the E-MRS Conference 2003 and at the European Conference on Molecular Electronics 2005. He received the Young Scientist Award in materials science of the Italian Society for Microscopical Sciences (S.I.S.M.) in 2006.

TMS - FEMS Young Leader International Scholar Program

The Minerals, Metals & Materials Society (TMS) and the Federation of European Materials Societies (FEMS) established a joint Young Leader International Scholar Program to promote young member activities and strengthen the collaborations between these international societies. Each society will identify representatives who will present a lecture at a central event of the correspondent society and will tighten the links between USA and Europe in the area of Materials Science and Engineering.



Materials Science and Technology – Metallurgy Group, Los Alamos National Laboratory, New Mexico, USA

Amy J. Clarke

Amy Clarke received her Master of Science degree in Metallurgical and Materials Engineering from the Colorado School of Mines (CSM) in Golden (CO, USA). She received her PhD in Metallurgical and Materials Engineering from the Advanced Steel Processing and Products Research Center (ASPPRC) at the Colorado School of Mines (CSM) in Golden (CO, USA) in 2006 for her dissertation entitled “Carbon Partitioning into Austenite from Martensite in a Silicon-Containing High Strength Sheet Steel”. Since 2010, Dr. Clarke has been a Research and Development Scientist in the Metallurgy Group at Los Alamos National Laboratory (LANL).

FEMS-supported European Advanced Training Courses

“Nano-scale Materials and Advanced Characterization Techniques” - Announcement

3 - 4 December 2013 in Dresden

Organizers: German Society of Materials Science (DGM) in collaboration with Dresden Fraunhofer Cluster Nanoanalysis (DFCNA)

Registration by October 31, 2013: <http://webdb.dgm.de/Fortbildung/>

The course will provide knowledge in the field of nano-scale materials and respective analysis techniques. Starting with a short introduction, new techniques for the characterization of thin films, nanostructures and nanoparticles will be explained. New results from fundamental research will be presented, and application-specific solutions will be demonstrated as well. Challenges to nanoanalysis techniques in the industry will be an additional topic. Special examples for applied studies in micro-, nano- and optoelectronics as well as in the fields of renewable energies and lightweight construction will be demonstrated. Scientists, engineers and technicians working in industry, research and education, who are interested to extend their knowledge in nano-scale materials and nanoanalysis, will benefit from this course. All lecturers are experienced experts in the field of physical and chemical analysis. ■

“Composite Materials” - Report

24 - 25 June 2013 in Warsaw

Organizers: Polish Materials Society and Polish Materials Research Society, in collaboration with the Central European Composite Cluster (CECC).



The course took place at the Department of Materials Science of the Warsaw University of Technology. 29 PhD students, young researchers and industry representatives from Europe took the opportunity to improve their knowledge in design, modeling, characterization and application of the structure and properties of composite materials. The lecturers were professors of Polish institutions, such as Warsaw University of Technology, University of Science and Technology, Silesian University of Technology, Institute of Foundry, Institute of Metallurgy and Materials Science, and Technische Universität Dresden, as well as of the companies Airbus and BASF. The feedback from the participants was very positive, which encourages FEMS to continue with the concept of European Advanced Training Courses. ■

FEMS newsletter

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FEMS Member Societies

Austria: Austrian Society for Metallurgy and Materials (ASMET)

Belgium: Benelux Métallurgie

Czech Republic: Czech Society for New Materials and Technologies (CSNMT)

Czech Republic: Metal Science Society of the Czech Republic (MSS)

Estonia: Estonian Material Science Society (EMSS)

France: Société Française de Métallurgie et de Matériaux (SF2M)

Germany: Deutsche Gesellschaft für Materialkunde (DGM)

Germany: Deutscher Verband für Materialforschung und -prüfung (DVM)

Greece: The Hellenic Metallurgical Society

Greece: Hellenic Society for the Science and Technology of Condensed Matter (HSSTCM)

Hungary: Országos Magyar Bányászati és Kohászati Egyesület (OMBKE)

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Italy: Associazione Italiana d'Ingegneria dei Materiali (AIMAT)

Italy: Associazione Italiana Compositi & Affini (Assocompositi)

Latvia: Latvian Materials Research Society (LMRS)

Lithuania: Lithuanian Materials Research Society (LMRS)

Netherlands: Bond voor Materialenkennis (BvM)

Norway: Norsk Metallurgisk Selskap (NMS)

Poland: Polskie Towarzystwo Materialoznawcze

Portugal: Sociedade Portuguesa de Materiais (SPM)

Serbia: Materials research Society of Serbia (Serbia-MRS)

Slovak Republic: Society for New Materials and Technologies in Slovakia (SNMTS)

Slovenia: Slovensko Drustvo za Materiale (SDM)

Spain: Sociedad Española de Materiales (SEMAT)

Sweden: Svenska Föreningen för Materialteknik (SFMT)

Switzerland: Schweizerischer Verband für Materialwissenschaft und Technologie (SVMT)

Ukraine: The Ukrainian Materials Research Society (U-MRS)

United Kingdom: Institute of Materials, Minerals and Mining (IoMM)

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