

Member Society News - 06/2014

News from Portuguese Society



The Portuguese Society of Materials, SPM, is pleased to announce that for 2013-2015 their governing board has a new President of SPM: Professor Paula Vilarinho, from the University of Aveiro, and a new Vice-President: Luis Gil, Senior Researcher of LNEG - National Laboratory for Energy and Geology.



President of SPM: Professor Paula Vilarinho



Vice-President of SPM: Luis Gil

The general objectives for the period 2013 - 2015 are in continuation of the work that has been developed:

- **Promoting:** To help the development of a dynamic and interactive materials community that promotes excellence in the field of materials by promotion, collaboration and interdisciplinarity.
- **Disclosing:** To assume a role of leadership and indispensability in disseminating vital information on Science and Technology of Materials in Portugal and disclose to the public and policy makers the vital role of the materials to meet the challenges of the future.
- **Dignifying:** (To promote the careers of the members): To offer programs, products and services that help SPM members grow professionally and become able to thrive in a global economy.
- **Developing:** To contribute to the development of the national industrial base in the area of materials.

Within the activities program of this new directing board, the promotion of the SPM activities to increase their action and visibility among the various sectors (civil society, researchers and industrial, among others) is a priority. A strong effort will be dedicated to strengthening of relations with the Portuguese and European Materials Industry. Another important aspect that will be addressed is the modernization of the tools to communicate with associates and interested parties. Enhancing the engagement of SPM with the European societies (FEMS and E-MRS), the Brazilian, Spanish, American and African national societies and fostering youth participation in SPM life and activities is also a key activity of this board. This new board is committed to contribute to a modern and active SPM.

Get more information on SPM by <http://www.spmateriais.pt>, which is available soon. ■

News from German Society



JUNIOR EUROMAT 2014 - The Major Event for Young Materials Scientists

The Major Event for Young Materials Scientists is FEMS Junior Euromat 2014, organized by DGM. It is an excellent opportunity for young researchers to gather experience at an international conference, takes place from 21 to 25 July 2014 in Lausanne, Switzerland. Plenary talks will be given by: **Michael F. Ashby**, emeritus professor in the Department of Engineering at the University of Cambridge, a world-renowned authority on engineering materials and author of several best-selling textbooks and first recipient of the FEMS European Materials Medal award; **Michel Rappaz** professor and head of the Computational Materials Laboratory at Ecole Polytechnique Fédérale de Lausanne (EPFL) who received the FEMS European Materials Medal in 2013, will talk about fundamentals of materials science, covering macroscopic and microscopic aspects of metallic materials;

MSE 2014, Sept 23 - 25, 2014 in Darmstadt, Germany

The biennial international conference "Materials Science Engineering (MSE 2014)" organised by the Deutsche Gesellschaft für Materialkunde will take place in Darmstadt from 23 - 25 September 2014. The Call for Abstracts has generated more than 1100 abstracts. The preliminary programme highlights 7 Plenary Lectures, 44 Keynotes Lectures, 38 Highlight Lectures, 538 Lectures, 130 Oral Posters and 375 Posters. The Opening Lecture will be given by Prof. Oliver Kraft (MRS president), further on a Colloquium of Honour for Prof. Dr. Ludwig Schultz, a Brazilian-German Symposium (MSE guest country 2014) and a Student Session with

Dresden, Germany 22 - 24 October 2014: European Advanced Training Course on Nano-scale Materials Characterization-Techniques and Applications, Dresden Fraunhofer Cluster Nanoanalysis (DFCNA).

The course is intended for individuals who wish to expand their knowledge in the field of nanoscale materials and nanoanalysis. The subjects covered in this course extend from fundamentals of materials science and analysis to the current nanotechnologies and challenges in industry. Scientists, engineers and technicians working in industry, research and education, who are interested to extend their knowledge in nanoanalysis, will benefit from this course. Chairman of the seminar is Prof. Dr. Ehrenfried Zschech, Dresden Fraunhofer Cluster Nanoanalysis, Germany, further speakers are:

Thomas Lippert, head of the Materials group within the Department of General Energy Research at the Paul Scherrer Institute (PSI), Switzerland, and Professor in the Department of Chemistry and Applied Biosciences at ETH Zurich and President of E-MRS will discuss materials relevant to energy research and especially soft materials, such as light emitting polymers. **Jaques Komornicki**, Innovation Manager at the European Chemical Industry Council (Cefic) will present results of the European Matval Project. Six top flight researchers, nominated for the 2 FEMS lecturer awards, will also give talks at the conference.

More than 300 students and doctoral students from Europe and all over the world will attend this meeting, for which registration is still open and information is available at <http://dgm.de/dgm/junior-euromat/php/submission.php>. ■

short lectures, poster show and a "MatWerk-Slam" is surrounded by exciting side events organised by DGM, BMBF, DFG and acatech and an industrial exhibition (Anton Paar Germany GmbH, Asylum Research, Bruker Nano GmbH, Heraeus Holding GmbH, Hydro Aluminium Rolled Products GmbH, MaTeck GmbH, Nanovea, Thermo-Calc Software AB, Uniprec GmbH, WITec GmbH) as well. ■

More information is available at <http://www.mse-congress.de>

Prof. Dr. Lukas M. Eng, Dr. Juergen Gluch, Dr. Markus Loeffler, Technical University Dresden, Germany, Dr. André Clausner, Dr. Uwe Muehle, Dr. Annegret Potthoff, Fraunhofer IKTS Dresden, Germany, Dipl.-Phys. Joerg Heber, Dr. Jan-Uwe Schmidt, Fraunhofer IPMS Dresden, Germany, Dr. Pradeep Konda Gokuldoss, Max-Planck-Institut für Eisenforschung, Duesseldorf, Germany, Dr. Eckhard Langer, GLOBALFOUNDRIES Dresden, Germany, Sylvia Mucke, Plastic Logic GmbH, Dresden, Germany. A 5 % deduction on the registration fee is offered for FEMS members. ■

More information is available at [http://www.fems.org/tl_files/webpage_content/data/EATC_DGM_FEMS_10_2014%20\(2\).pdf](http://www.fems.org/tl_files/webpage_content/data/EATC_DGM_FEMS_10_2014%20(2).pdf)

News from Italian Societies

AIM



AIM, the Associazione Italiana di Metallurgia is a non-profit, non governmental cultural organization founded in 1946. AIM's prime functions are the gathering and dissemination of scientific knowledge in the field of metals and structural materials and the fostering of information exchange both at national and international level. This is accomplished through publications, national and international conferences and the interrelation with cooperating sister societies throughout the world. Various activities are ongoing this year:

- **Eurocorr 2014** - European Corrosion Congress , Pisa 8-12 September 2014
- European Conference **Heat Treatment & Surface Engineering & 22nd IFHTSE Congress**- Venice, 20-22 May 2015
- **STEELSIM 2015** - 6th Int. Conference Modelling and Simulation of Metallurgical Processes in Steelmaking – Bardolino, 23-25 September 2015
- **HTDC 2015** - 6th International High Tech DieCasting conference, Venice Autumn 2015

More information is available at: www.aimnet.it

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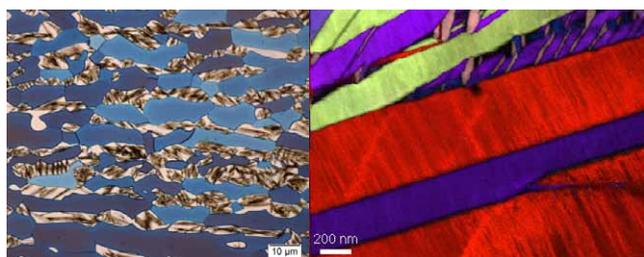
- Verona, Italy - June 11-13, 2014: Alumotive, the exhibition on innovative, components and technological materials for original equipment for the transport industry at which Assocompositi organizes on June 13th, a technical seminar on simulation technology and new materials for innovation and development in the transport sector. See <http://www.alumotive.com/ENG/home.asp>

- Lecce/Brindisi, Italy - September 23-25, 2014: A Composites School organized by Assocompositi in co-operation with AIMAT and CETMA and focused on materials, technology and innovation. See www.assocompositi.it
- Dusseldorf, Germany - 7-9 October: Composites Europe 2014: Assocompositi coordinates for the 3rd year in a row the Italian Pavilion in Hall 8a (http://www.composites-europe.com/startseite_1.html?sprache=englisch)

News from French Society



- The Société Française de Métallurgie et Matériaux (SF2M) and the Société Française des Microscopies (SF μ) organized in Paris a conference day on March 21st 2014 to commemorate «150 years of Metallography» where eight professors gave lectures tracing the history of metallurgy from the pioneers to the latest techniques used in this field. A Competition was organized, with 35 beautiful commented photos, such as the two examples below.



Two prizes rewarded the winners: 1st prize : Patrick Barges (ArcelorMittal) for 'le grand Bleu' (left) and 2nd prize : Julie Bourgon (ICMPE-CNRS Thiais) for 'Martensite maclée' (right).

- Paris, 11-13, June, 2014: FDMDII-JIP 2014 The Second International Symposium on Fatigue Design & Materials Defects (FDMD II), combined with the fourteenth International SF2M Spring Meeting, is the second in a series initiated in Trondheim, Norway, May 2011. It was focused on the influence of defects on the fatigue and durability of structural materials. This is an important scientific issue with significant human and financial implications. All materials are concerned. The main objective is to understand the impact of a given defect population on the fatigue behavior from a material optimization point of view (i.e. the link with the material elaboration and manufacturing process) and also from a design optimization perspective (i.e. definition of an allowable defect size). This conference was co-organized with the DVM (<http://www.dvm-berlin.de/>).

More information is available at <http://sf2m.asso.fr/FDMD2/FDMD2.htm> ■

News from Materials Research Society of Serbia

MRS – SERBIA

Vision of science in Serbia

MRS – Serbia has been a member of FEMS since 2008. One of the goals of MRS-Serbia is to promote and acknowledge work of young researchers. An award for the best oral and poster presentations, as well as the best master and doctoral theses defended between two conferences was established at YUCOMAT 1997. Recognizing a need to give an opportunity for young researchers to practise oral presentation of their work, MRS-Serbia has organised the Young Researchers Seminar “Materials Science and Engineering” since 2002, initially as a one-day national event, growing into a three-day annual conference in 2008 and became an international conference since 2010, with approximately 80 presentations by authors from 10 countries. These conferences are now held in December in Belgrade, Serbia, with 13YRC planned for December 10-12th 2014. The Sixteenth prestigious Materials Research Society of Serbia Annual Conference, **YUCOMAT 2014**, will be

held in Herceg Novi, Montenegro, September 1-5th, 2014. YUCOMAT is endorsed by E-MRS and FEMS. The early registration fee is available until June 15th, which is also the deadline for submission of all oral presentations. Late registration fee is valid until July 31st, which is also a deadline for the poster presentations to ensure inclusion in the Book of Abstracts, published in August. The symposia are structured under the following topics: A: Advanced Methods in Synthesis and Processing of Materials; B - Advanced Materials for High-Technology Application; C - Nanostructured Materials; D - Eco-Materials and Eco-Technologies; E - Biomaterials. ■

More information at http://www.mrs-serbia.org.rs/conference_program2014.html

Meeting with Professor Mikhail Alymov

During the XII International Symposium on Explosive Production of New Materials in Krakow, Poland, Ehrenfried Zschech, FEMS Past President, and Pawel Zieba, Member of the FEMS Executive Committee, met with Mikhail Alymov, Director of the Institute of Structural Macrokinetics and Materials Science in Moscow, Russia, and Corresponding Member of the Russian Academy of Science. This meeting was an important first step for a future collaboration of FEMS with the community of Russian materials scientists and engineers. ■



FEMS newsletter

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FEMS Member Societies

Austria: Austrian Society for Metallurgy and Materials (ASMET)

Belgium: Benelux Métallurgie (BM)

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 (HMS)

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

Hungary: Országos Magyar Bányászati és Kohászati Egyesület (OMBKE)

Italy: Associazione Italiana di Metallurgia (AIM)

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 (LtMRS)

Netherlands: Bond voor Materialenkennis (BvM)

Norway: Norsk Metallurgisk Selskap (NMS)

Poland: Polskie Towarzystwo Materialoznawcze (PTM)

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 Društvo za Materiale (SDM)

Spain: Sociedad Española de Materiales (SOCIEMAT)

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 (IOM3)

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