

FEMS

Programme

EUROPEAN CONFERENCE

JUNIOR EUROMAT 2010

26 - 30 July 2010, Lausanne, Switzerland



Sponsored by

The Federation of European
Materials Societies (FEMS)



Co-Sponsored by

The European Materials Research
Society (EMRS)

DGM

Organised by

Deutsche Gesellschaft für
Materialkunde e.V. (DGM)

INTRODUCTION

Welcome

Dear conference participant,

Welcome to Lausanne, welcome to JUNIOR EUROMAT 2010, a FEMS event which is held in Lausanne at the site of the University of Lausanne, organised by DGM and sponsored by FEMS jointly with E-MRS.

JUNIOR EUROMAT provides a forum for presentations by students and it is special! It is organised like a summer school with its informal atmosphere which should help young scientists and engineers to be at ease at their often first conference. Despite this relaxed atmosphere, JUNIOR EUROMAT is a highly professional conference.

This year's JUNIOR EUROMAT is formed of 14 topics covering virtually every aspect of Materials Science and Engineering, from nano to bio, from mechanical and physical properties to processing, etc. It is also a truly international conference. There will be more than 270 presentations and as many young participants, coming from 33 countries.

We are very pleased to have Prof. Ludwig Schultz, Leibniz Institute for Solid State and Materials Research Dresden (Germany), as one of our Plenary Speaker. He is the winner of last year's FEMS European Materials Medal (Gold Medal). The European Materials Medal is the most prestigious

award of the Federation of European Materials Societies. It is awarded in recognition of outstanding contributions to the field of Materials Science and Engineering. The second Plenary Speaker is Prof. Habermeier, Max Planck Institute for Metals Research, Stuttgart (Germany), who will give his talk on Tuesday morning.

New in 2010 is that the recipient of the 'FEMS Lecturer Award for Excellence in MSE' in 2011 will be decided in a special session at Junior Euromat where shortlisted candidates will give a presentation to the assembled audience. Two winners will be selected based on the votes from the participants of the Junior Euromat conference and the votes of the FEMS board members. They will be announced in the closing address on July, 29, 2010 and they will be invited to come to EUROMAT 2011 to be held in Montpellier, France.

It is the 10th event in the series which clearly shows the success of this conference series which started in 1992.

I wish you all a very interesting and successful meeting.

Prof. Dr.-Ing. Pedro D. Portella
President of FEMS

FEMS, the Federation of European Materials Societies actively promotes Materials Science and Engineering: www.fems.org

Organising Society

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Materialkunde e.V. (DGM)
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D-60325 Frankfurt
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www.dgm.de

Conference Location

Université de Lausanne (UNIL)
Building Amphipôle
CH-1015 Lausanne

Conference Office

The conference office will be located in the foyer of the lecture hall.

Opening times:

- Sunday, 25 July 2010, 15:00 to 18:00 h
- Monday through Thursday along the conference programme

Programme Manager

Prof. Dr.-Ing. Pedro D. Portella
Federal Institute for Materials
Research and Testing, Berlin
(Germany)

Conference Secretariat

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Transport Facilities

No special shuttle service to the UNIL will be arranged. There is a metro line connecting the UNIL with downtown Lausanne and the center of Renens. The stop is called UNIL Sorge.

The Federation of European Materials Societies (FEMS)

President

Prof. Dr.-Ing. Pedro D. Portella
Federal Institute for Materials
Research and Testing, Berlin
(Germany)

Vice President

Ehrenfried Zschech
Fraunhofer-Institut für
zerstörungsfreie Prüfverfahren
Dresden (IZFP-D), Dresden
(Germany)

Secretary

P. McIntyre
The Institute of Materials,
Minerals and Mining, London
(United Kingdom)

FEMS member societies

- 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)

GENERAL INFORMATION

The Conference Format: Oral Poster Presentation

JUNIOR EUROMAT will be organised as a poster conference, i. e. all the contributions will be on display as posters. The poster authors have been invited to introduce their poster orally in the lecture hall (3 minutes each) using 3 transparencies. After the oral session, the authors will be available for discussion in front of the poster panels.

Voting Information

The best two posters of each session will be awarded with a certificate and a prize of 100 Euro for the first and 50 Euro for the second winner. Additionally, the best two posters of the entire conference will get an extra prize of 150 Euro and 100 Euro. All the prizes will be awarded on Thursday afternoon during the closing address.

Please note that we will hand out these voting papers only once! Only the "official" voting papers can be used, any other papers (self made voting papers) will not be accepted. To make your vote valid, please return your voting paper until the submission DATE AND TIME to the voting box at the conference office. On the voting paper we listed the country of origin and institute of the voter, as there will be applied a special counting system of the votes to avoid that authors of the same country as the voters take advantage.

Please note that any votes arriving beyond the submission date and time will NOT be accepted. Please write ONLY ONE POSTER NUMBER on each voting paper. Multiple votes on one voting paper are invalid and will not be counted at all. The winners of the awards will be the authors with the highest and second highest numbers of total votes.

Participants by Countries

Algeria	4
Austria	8
Belarus	3
Belgium	1
Brazil	2
Czech Republic	61
Egypt	2
Finland	1
France	10
Georgia	1
Germany	82
Hungary	3
India	1
Iran	2
Ireland	1
Israel	4
Italy	3
Korea, Republic	5
Luxembourg	6
Netherlands	4
Poland	19
Portugal	1
Romania	6
Russian Federation	17
Serbia	4
Slovak Republic	10
Slovenia	6
Sweden	6
Switzerland	10
Turkey	3
Ukraine	8
United Kingdom	12
USA	2
Total	308

Programme Overview

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

	Monday 26 July 2010	Tuesday 27 July 2010	Wednesday 28 July 2010	Thursday 29 July 2010
	Possibility for Preregistration on Sunday 15-18 h			
Morning	<ul style="list-style-type: none"> • Registration • Time to fix the Poster • Opening Adress • Plenary Lecture • Oral Poster Presentations N, D 	<ul style="list-style-type: none"> • Time to fix the Poster • Plenary Lecture • Oral Poster Presentations G, B, P, E 	<ul style="list-style-type: none"> • Time to fix the Poster • Oral Poster Presentations F, A • Poster Discussion 	<ul style="list-style-type: none"> • Time to fix the Poster • Oral Poster Presentations C, H, M • Poster Discussion
Afternoon	<ul style="list-style-type: none"> • Oral Poster Presentations I, L • Poster Discussion 	<ul style="list-style-type: none"> • Plenary Lecture • Oral Poster Presentations E (cont.), K • Poster Discussion 	<ul style="list-style-type: none"> • FEMS Lecturer Session 	<ul style="list-style-type: none"> • Poster Awards • Plenary Lecture • Closing Adress
Evening	<ul style="list-style-type: none"> • Welcome Reception 		<ul style="list-style-type: none"> • Barbecue & Festival 	

OPENING / ORAL POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Monday Session -
8.00 - 9:45	Registration
10:00	<p>Opening Adress Welcome by Pedro D. Portella, Federal Institute for Materials Research and Testing, Berlin (Germany)</p>
10:15	<p>Plenary Lecture Riding on Magnetic Fields - The Miraculous World of Superconductors L. Schultz (Sp), Leibniz Institute for Solid State and Materials Research Dresden (Germany)</p>
10:45	<p>Monday Session Topic N - Nanostructured Materials</p>
01 / N7	<p>Formation of Crystalline Structure of Ultra Dispersed ZnO Powders During the Micro Emulsion Synthesis and Following Thermo Treating K. Vokhmintsev (Sp), E. Trusova, A.A. Baikov Institute of Metallurgy and Material Science of the RAS, Moskau (Russian Federation)</p>
02 / N20	<p>Gold Nanolayers Growing on Polyethylene and Glass A. Chaloupka (Sp), P. Simek, V. Svorcik, Institute of Chemical Technology Prague (Czech Republic)</p>
03 / N21	<p>Kinetics Formation of Ti Nanosized Silicide Phases S. Bogdanov (Sp), National Academy of Science of Ukraine, Kiev (Ukraine)</p>
04 / N57	<p>Template-Directed Synthesis of Nanoplasmonic Arrays by Intracrystalline Metalization of Cross-Linked Lysozyme Crystals M. Guli, Jilin University, Changchun (China); E. Lambert (Sp), M. Li, S. Mann, University of Bristol (UK)</p>
05 / N297	<p>Plasma-Enhanced CVD Template Growth of Heterogeneous Nanomorph Si Layers A. Khodin (Sp), National Academy of Sciences of Belarus, Minsk (Belarus); E. Outkina, Belarussian State University of Information and Radioelectronics, Minsk (Belarus); L. Joong-Kee, K. Sang-Ok, Korea Institute of Science and Technology, Seoul (Korea, Republic)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Monday Session -
06 / N86	<p>Growth Model and Dopant Detection in Silicon Nanowire W. Chen (Sp), R. Lardé, E. Cadel, Université de Rouen (France); T. Xu, B. Grandier, J.P. Nys, Université de Lille 1 (France); D. Stievenard, Université de Lille 1 (France); P. Pareige, Université de Rouen (France)</p>
07 / N96	<p>The Thermal Analysis of Selected Nanocomposites A. Lis (Sp), J. Laska, AGH University of Science and Technology, Krakau (Poland)</p>
08 / N107	<p>Manufacture of Nanocrystalline Hard Metals Based of Titanium and Boron Carbides L. Nadaraja (Sp), N. Jalabadze, R. Chedia, L. Khundadze, Technical University of Georgia, Tbilisi (Georgia)</p>
09 / N113	<p>Laser Diffraction Particle Size Analysis of Nonspherical Particles Synthesized by Hydrothermal Method Z. Stojanovic (Sp), L. Veselinovic, M. Jovic, A. Stankovic, M. Jevtic, S. Markovic, D. Uskokovic, Institute of Technical Sciences of Serbian Academy of Sciences and Arts, Belgrade (Serbia)</p>
10 / N132	<p>The Metal-Carbon Nanocomposites Based on IR-Pyrolyzed Polyacrylonitrile and Platinum Family Metals M. Efimov (Sp), A.V. Topchiev Institute of Petrochemical Synthesis RAS, Moskau (Russian Federation); E.L. Dzigiduri, National University of Science and Technology (MISIS), Moskau (Russian Federation); M.M. Ermilova, N.V. Orekhova, G.P. Karpacheva, A.V. Topchiev Institute of Petrochemical Synthesis RAS, Moskau (Russian Federation)</p>
11 / N135	<p>Preparation and Structure of Metal-Carbon Nanocomposites Cu-C D. Muratov (Sp), M.N. Efimov, A.V. Topchiev Institute of Petrochemical Synthesis RAS, Moskau (Russian Federation); E.N. Sidorova, National University of Science and Technology (MISIS), Moskau (Russian Federation); L.M. Zemtsov, G.P. Karpacheva, A.V. Topchiev Institute of Petrochemical Synthesis RAS, Moskau (Russian Federation)</p>
12 / N191	<p>Towards Self-Assembled Inorganic Mesostructures W. Maijenburg (Sp), M.G. Maas, E.J.B. Rodijk, J. Veerbeek, D.H.A. Blank, J.E. ten Elshof, University of Twente, Enschede (Netherlands)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Monday Session -
13 / N234	<p>Exfoliation of Lepidocrocite Layered Titanates R. Besselink (Sp), T.M. Stawski, S.K. Chinnasamy Palanisamy, D.H.A. Blank, J.E. ten Elshof, University of Twente, Enschede (Netherlands)</p>
14 / N241	<p>Mechanical Behaviour of Interlinked Carbon Nanotubes for Nanocomposites and their Potential Pathogenicity N. O'Brien (Sp), University of Limerick, Ireland (Ireland); M. McCarthy, University of Limerick (Ireland); W. Curtin, Brown University, Providence (USA)</p>
15 / N261	<p>Synthesis and Characterization of Cu/Co Multilayers Nanowires J. Bran (Sp), R. Lardé, M. Jean, J.-M. Le Breton, P. Pareige, GPM University of Rouen (France)</p>
16 / N282	<p>Synthesis of Hollow Structured TiO₂ Nanoparticles by Chemical Vapor Condensation and the Application to Electrode of Dye-Sensitized Solar Cells K.-N. Lee (Sp), Hanyang University, Ansan (Korea, Republic); C.-W. Lee, Battelle-Korea Laboratory, Seoul (Korea, Republik); J.-S. Lee, Hanyang University, Ansan (Korea, Republic)</p>
17 / N290	<p>Deposition of Different Spinel Ferrites and Barium Titanate Thin Films by Microwave-Assisted Nonaqueous Sol-Gel Route M. Kubli (Sp), I. Bilecka, L. Luo, M. Niederberger, ETH Zürich (Switzerland)</p>
18 / N334	<p>Catalyst Free Growth of Carbon Nanotube Forest P. Shvets (Sp), R.R. Ismagilov, A.N. Obraztsov, Moscow State University, Moskau (Russian Federation)</p>
19 / N337	<p>First-Principles Study of the Single- and Double-Walled Carbon Nanotubes I. Vorobyev (Sp), D.V. Rybkovskiy, A.V. Osadchy, E.D. Obraztsova, Russian Academy of Sciences, Moskau (Russian Federation)</p>
20 / N340	<p>Extraction and Determination of High Pure Metallic and Semiconducting Fractions of Single-Wall Carbon Nanotubes I. Nikitskiy (Sp), A.I. Chernov, E.D. Obraztsova, M.V. Lomonosov Moscow State University, Moskau (Russian Federation)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Monday Session -
21 / N342	<p>First-Principles Electronic Structure Calculation of Single and Multiple Tetralayers of GaSe D. Rybkovskiy (Sp), I.V. Vorobyev, A.V. Osadchy, E.D. Obraztsova, Russian Academy of Science, Moscow (Russian Federation)</p>
22 / N343	<p>Size Dependent Catalytic Investigations of Gold Nanoparticles R. Fenger (Sp), Humboldt-Universität zu Berlin (Germany); H.-J. Freund, Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin (Germany); A. Thünemann, Bundesanstalt für Materialforschung und -prüfung, Berlin (Germany)</p>
23 / N352	<p>Preparation of Sn-Ag-Cu Nanopowders in Solution via Laser Ablation Z. Pesina (Sp), University of Technology, Brno (Czech Republic)</p>
24 / N259	<p>Pulse Plating and Electrochemical Studies of Antimicrobial Silver Nanocoatings T.J. Pozman (Sp), Budapest University of Technology and Economics (Hungary); M. Lakatos-Varsányi, Bay Zoltán Foundation, Budapest (Hungary)</p>
25 / N391	<p>Synthesis and Characterization of Nanopatterned Ternary Oxide Films Q.Xu (Sp), Åbo Akademi University, Turku (Finland)</p>
<p>Monday Session Topic D - Fundamental Aspects: Diffusion, Phase Transformations, Dislocation Theory</p>	
01 / D18	<p>Determination of Ceiling Oxygen Concentrations in the Beta-Phase of the Zr-1%Nb Alloy M. Négyesi (Sp), Czech Technical University in Prague (Czech Republic); J. Lorincik, Academy of Sciences of the Czech Republic, Prag (Czech Republic); V. Klouček, UNIPETROL RPA, Litvinov (Czech Republic); J. Kabátová, V. Vrtílková, UJP PRAHA a.s., Prag-Zbraslav (Czech Republic)</p>
02 / D31*	<p>Oxygen Diffusion in St 707 Non-Evaporable Getter Material S. Avdiqj (Sp), J. Setina, Lotric d.o.o / Jozef Stefan International Postgraduate School, Ljubljana (Slovenia)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Monday Session -
03 / D50	<p>Experimental Characterisation of New Peritectic Steel Grades P. Presoly (Sp), University of Leoben (Austria)</p>
04 / D54	<p>Landau Theory Describing Slow Reconfiguration of Crystallographic Defects after the Martensitic Phase Transformation A. Kosogor (Sp), V.A. L'vov, National Taras Shevchenko University of Kyiv, Kiev (Ukraine)</p>
05 / D190	<p>Micro-Segregations in Liquid Phase Sintered Silicon Carbide Ceramics R. Neher (Sp), M. Herrmann, S. Höhn, K. Brandt, Fraunhofer-Institut für Keramische Technologien und Systeme, Dresden (Germany)</p>
06 / D292	<p>The Influence of Heat Treatment Conditions on the B2<-->B19' Transformation Path in Ni-Ti Shape Memory Alloys M. Kubenová, J. Cermák, A. Dlouh, J. Zalesak (Sp), Czech Academy of Sciences, Brno (Czech Republic)</p>
07 / D321	<p>Ageing Response of Alpha-Beta Solution Treated TIMETAL Low Cost Beta J. Smilauerová (Sp), M. Janek, P. Hrcuba, J. Strásk, J. Vrátná, Charles University, Prag (Czech Republic); H. Rack, Clemson University (USA)</p>
08 / D350	<p>Two-Step Mineral Carbonation as a Method for Carbon Dioxide Storage J. Baldyga, M. Henczka, K. Sokolnicka (Sp), Warsaw University of Technology (Poland)</p>
12:30	Lunch
14:00	<p>Monday Session Topic D - Surface Engineering: Laser, Spraying, CVD</p>
01 / 19	<p>Control of TiO2 Growth Condition on Tetra Hydroxyran-2-Carbamate Propyl Triethoxysilane S.Y. Kim (Sp), Chung-Ang University, Seoul (Korea, Republic)</p>
02 / 167	<p>Biofunctionalization of Diamond like Carbon Layers J. Sommerfeld (Sp), C. Ronning, T.F. Keller, Friedrich-Schiller-Universität Jena (Germany); T. Schüler, R. Möller, Institute of Photonic Technologies, Jena (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Monday Session -
03 / 179	<p>How to Fight Microbes with Multi-Functional Copper Surfaces M. Hans (Sp), F. Mücklich, Saarland University, Saarbrücken (Germany)</p>
04 / 184	<p>The Study Influence of Surface Roughness Steel Substrate on the Properties of Coatings with Small Particle L. Dobrovodská (Sp), VSB- Technical University of Ostrava, Ostrava-Poruba (Czech Republic); V.V. Mensikov, OAO NII LKP Chotkovo (Russian Federation); J. Podjuklova, K. Pelikanova, T. Lanik, V. Bartek, K. Hrabovska, VSB- Technical University of Ostrava, Ostrava-Poruba (Czech Republic)</p>
05 / 185	<p>Study of Influence Size of Particle on the Properties Vitreous Enamel Coatings V. Bártek (Sp), J. Podjuklova, T. Lanik, K. Pelikanova, L. Dobrovodská, K. Hrabovska, VSB-Technical University of Ostrava, Ostrava (Czech Republic)</p>
06 / 190	<p>Mechanical Behaviour and Failure Processes of Thermal Spray Coatings R. Musalek (Sp), M. Vilemova, Czech Technical University in Prague (Czech Republic)</p>
07 / 1140	<p>Increase Lifetime of Weathering Steel of using Protective Coatings T. Lanik (Sp), J. Podjuklova, VSB-Technical University of Ostrava, Ostrava-Poruba (Czech Republic); K. Kreislova, SVÚOM s.r.o., Prag (Czech Republic); K. Pelikanova, L. Dobrovodská, V. Bartek, K. Hrabovska, VSB-Technical University of Ostrava, Ostrava-Poruba (Czech Republic)</p>
08 / 1141	<p>Study of using Thin Coating in Anti-Corrosive Protection of Steel Substrate K. Pelikánová (Sp), V.V. Mensikov, J. Podjuklova, T. Lanik, L. Dobrovodská, V. Bartek, K. Hrabovska, VSB - Technical University of Ostrava, Ostrava-Poruba (Czech Republic)</p>
09 / 1194	<p>Polymer-Assisted Deposition of SrRuO₃ Thin Films M. Nijland (Sp), O.F. Göbel, D.H.A. Blank, J.E. ten Elshof, University of Twente, Enschede (Netherlands)</p>
10 / 1207	<p>The Production of Titanium Dioxide by Plasma Electrolyte Oxidation for Potential Photoactive Applications</p>
* = no oral presentation	L. Mirelman (Sp), C.S. Dunleavy, T.W. Clyne, University of Cambridge (UK)

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Monday Session -
11 / I217*	<p>Manufacturing of Organosiloxane Dielectric Films Deposited by Plasma Polymerization at Atmospheric Pressure J. Petersen (Sp), R. Bechara, L. Daheron, M. Michel, Centre de Recherche Public Henri Tudor, Esch-sur-Alzette (Luxembourg); D. Ruch, Institut de Physique et Chimie des Matériaux de Strasbourg (France); A. Dinia, Strasbourg (France)</p>
12 / I223	<p>The Effect of Thermal Cycling on the Spallation Behaviour of Zirconia Plasma Sprayed Coatings M. Shinozaki (Sp), T.W. Clyne, University of Cambridge (UK)</p>
13 / I252	<p>Design of a Micro-Texturing Experimental Rig for CoCrMo Surfaces F. Liedtke (Sp), R. Pourzal, A. Fischer, Universität Duisburg-Essen (Germany)</p>
14 / I278	<p>Advanced Ceramic Thermal Barrier Coatings (TBCs) Manufactured by Suspension Plasma Spraying (SPS) A. Guignard (Sp), G. Mauer, H. Kaßner, R. Vaßen, D. Stöver, Forschungszentrum Jülich GmbH (Germany)</p>
15 / I281	<p>Columnar Structured Ceramics by Thin Film Low Pressure Plasma Spraying A. Hospach (Sp), Forschungszentrum Jülich GmbH (Germany)</p>
16 / I285	<p>The Effect of Metallic Inter-Layers on Multilayer Ceramic/Metal Coatings Properties L. Major (Sp), Polish Academy of Sciences, Krakow (Poland); M. Kot, AGH University of Science and Technology, Krakow (Poland); J. Lackner, Laserzentrum Leoben (Austria)</p>
<p>Monday Session Topic L - Materials Characterisation: Mechanical Testing, Advanced Analytical Techniques NDE, Materialography</p>	
01 / I1	<p>Characterisation of the Damage Behaviour of Different Tungsten-Based Materials under Fusion Relevant Thermal Loads M. Wirtz (Sp), J. Linke, G. Pintsuk, Forschungszentrum Jülich (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Monday Session -
02 / L16	<p>Experimental Simulation of Crack Formation of Steels in the Temperature Range of the Second Ductility Trough P. Krajewski (Sp), Montanuniversität Leoben (Austria)</p>
03 / L34*	<p>The Characteristics of Co-Cr Dental Alloys Using the Criteria of Diffraction and Microscopy Analysis V-G. Vasilescu (Sp), Carol Davila University, Bucharest (Romania); E. Vasilescu, Dunarea de Jos University of Galati (Romania)</p>
04 / L48	<p>Friction Behavior of Nanocomposite PECVD WC-C Coatings A. Duszova (Sp), P. Hviová, F. Lofaj, Institute of materials research, SAS, Kosice (Slovak Republic)</p>
05 / L60	<p>Preparation of Mo Micropillars to be Employed in In-Situ X-Ray Diffraction Experiments C. Marichal (Sp), V. Guzenko, J. Zimmermann, S. Van Petegem, H. Van Swygenhoven, Paul Scherrer Institut, Villigen (Switzerland)</p>
06 / L89	<p>Optical Properties of the Materials Investigated at Nanoscale Resolution by using Apertureless Scanning near Optical Microscopy S-G. Stanciu (Sp), R. Hristu, G.A. Stanciu, University Politehnica of Bucharest (Romania)</p>
07 / L127	<p>Adaptation of Non Destructive Micro-Magnetic Technique to Evaluate the Load Stress of Steel Bars Reinforcing Concrete Structures S.K. Balijepalli (Sp), M. Kopp, E. Schneider, Fraunhofer Institute for Non-Destructive Testing, Saarbrücken (Germany)</p>
08 / L129	<p>Resonant High-Temperature Gas Sensors for In-Situ Analyse of Combustion Gases S. Brauns (Sp), D. Richter, H. Fritze, Clausthal University of Technology, Goslar (Germany); P. Hauptmann, T. Schneider, J. Fochtmann, Otto-von-Guericke-Universität Magdeburg (Germany)</p>
09 / L131	<p>High-Temperature Scanning Optical Near-Field Microscope F. Kuewen (Sp), H. Fritze, Technische Universität Clausthal, Goslar (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Monday Session -
10 / L134	<p>Characterization of Piezoelectrically Excited Displacement of Langasite Resonators at High Temperatures using Laser Doppler Vibrometry</p> <p>S. Schmidtchen (Sp), J. Sauerwald, H. Xia, S. Brauns, H. Fritze, Technische Universität Clausthal, Goslar (Germany)</p>
11 / L142	<p>Investigation of Water Diffusion in Porous Stones using Transient Hot-Ball Method</p> <p>L. Kubicár, D. Fidiriková (Sp), Slovak Academy of Sciences, Bratislava (Slovak Republic)</p>
12 / L147	<p>Behaviour of Laves and Delta Phases during Plastic Deformation of Cast INCO718 Alloy and Impact on Mechanical Properties</p> <p>J. Meloni (Sp), M. Tardieu, R. Salapete, D. Cornu, Snecma, Vernon (France)</p>
13 / L148	<p>Structure and Mechanical Properties of Thin Al-Mn Sheets for Heat-Exchangers</p> <p>T. Manik (Sp), M. Karlik, Czech Technical University, Prag (Czech Republic); Z. Juricek, AL INVEST Bridlicna (Czech Republic)</p>
14 / L152	<p>Porosity Measurements for Carbon Nanotubes Doped with Some Transitional Metals</p> <p>L.N. Leonat (Sp), G. Rambu, M. Iordoc, G. Sbarcea, National Institute for Research and Development in Electrical Engineering, INC DIE ICPE-CA, Bucharest (Romania)</p>
15 / L173	<p>Study of Properties of New Natural Insulating Materials and Their Application in Civil Engineering</p> <p>J. Hroudova (Sp), J. Zach, Brno University of Technology (Czech Republic)</p>
16 / L200	<p>In-Situ Friction Stir Welding Experiments with the FlexiStir Unit</p> <p>T. Fischer (Sp), P. P. Staron, L. Bergmann, GKSS Research Centre, Hamburg (Germany); H. Loitz, Helmut-Schmidt-Universität, Universität der Bundeswehr, Hamburg (Germany); J.F. dos Santos, A. Schreyer, GKSS Research Centre, Hamburg (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Monday Session -
17 / L210	<p>Acoustical Resonance Analysis of Finite Rods with Circular Cross Section R. Balijepalli (Sp), F. Walte, Fraunhofer-Institut für Zerstörungsfreie Prüfverfahren IZFP, Sulzbach (Germany)</p>
18 / L229	<p>Sub-Micrometer Holotomographic Characterization of Mg2Si in Strip Cast AlMg7.3Si3.5 D. Tolnai (Sp), G. Requena, Vienna University of Technology, Wien (Austria); P. Cloetens, European Synchrotron Radiation Facility, Grenoble (France); J. Lendvai, Eötvös University, Budapest (Hungary); H.P. Degischer, Vienna University of Technology, Wien (Austria)</p>
19 / L240	<p>The Microstructure and Properties after Controlled Rolling of the Plates Made of C15V Steel M. Dryja (Sp), L. Andrzej, Czestochowa University of Technology (Poland)</p>
20 / L257	<p>Improved Classification of Graphite Morphologies in Cast Iron M. Linz (Sp), F. Mücklich, Universität des Saarlandes, Saarbrücken (Germany)</p>
21 / L263	<p>The Determination of the Mean Value of Crystal Grain Size and the Distribution of Grains Size by X-ray Diffraction Spot Counting J. Galle (Sp), N. Ganev, Z. Pala, K. Kolarik, Czech Technical University, Prag (Czech Republic)</p>
22 / L264	<p>Tomographic Atom Probe Studies of Un- and Neutron Irradiated Ferritic/Martensitic ODS Eurofer Steel A. Aleev (Sp), SSC RF Institute for Theoretical and Experimental Physics, Moscow (Russian Federation); M. Klimenkov, R. Lindau, A. Möslang, Karlsruhe Institut für Technologie GmbH (Germany); A.A. Nikitin, S.V. Rogozhkin, SSC RF Institute for Theoretical and Experimental Physics, Moscow (Russian Federation); P. Vladimirov, Karlsruhe Institut für Technologie GmbH (Germany); A.G. Zaluzhny, SSC RF Institute for Theoretical and Experimental Physics, Moscow (Russian Federation)</p>
23 / L270	<p>Nanoscale Characterisation of Eurofer ODS Steel after Heavy Ion Irradiation A. Nikitin (Sp), A.A. Aleev, N.N. Orlov, S.V. Rogozhkin, A.G. Zaluzhny, N.A. Iskandarov, T.V. Kulevoy, R.P. Kuibeda, SSC RF Institute for Theoretical and Experimental Physics, Moscow (Russian Federation)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Monday Session -
24 / L279*	<p>Smart Magnetic Materials as Impact Energy Absorbers D. Bodniewicz (Sp), J. Kaleta, D. Lewandowski, Wroclaw University of Technology, Lubin (Poland)</p>
25 / L286*	<p>Growth of Tin Whiskers From the Surface of Lead-Free Solders J. Podzemsky (Sp), M. Copjan, J. Urbanek, Czech Technical University, Prag (Czech Republic)</p>
26 / L293	<p>Quantitative Characterization of Lithium Ion Batteries Materials by Microscopic Techniques C. Hafner (Sp), T. Bernthaler, G. Schneider, Hochschule Aalen (Germany)</p>
27 / L301	<p>Acoustic Emission Source Location on Composite Laminates V. Lopresto, C. Leone, G. Caprino, I. de Iorio, I. Papa (Sp), University of Naples Federico II, Napoli (Italy)</p>
28 / L313	<p>FIB Milling for EBSD Sample Preparation W. Costin (Sp), G. Mozden, F. Rüdener, Austrian Institute of Technology GmbH, Seibersdorf (Switzerland)</p>
29 / L328	<p>Linear Thermal Expansivity of the Foundry Moulding and Core Mixtures J. Machuta (Sp), Technical university of Liberec (Czech Republic)</p>
30 / L332	<p>Investigation of Lithium Ion Battery Performance under Mechanical Load S. Trendafilova (Sp), Robert Bosch GmbH, Stuttgart (Germany)</p>
31 / L351	<p>Preparing of Cement-Hemp Boards and their Application in Civil Engineering S. Keprdová (Sp), J. Bydzovsky, Brno University of Technology (Czech Republic)</p>
16:30	<p>Discussion of all Posters of the Monday Session in front of the Panels</p>
17:30	<p>End of the first day</p>
18:00	<p>Welcome Reception</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Tuesday Session -
9:00	<p>Plenary Lecture Functional Ceramic Thin Films - Technology and Physics Aspects H.-U. Habermeier (Sp), Max-Planck-Institut für Festkörperforschung, Stuttgart (Germany)</p>
9:30	<p>Tuesday Session Topic G - Polymers, Polymer-based Composites</p>
01 / G12	<p>Surface Properties of Plasma Modified Polymers A. Reznicková (Sp), P. Sajdl, A. Vasina, V. Svorcik, Institute of Chemical Technology Prague (Czech Republic)</p>
02 / G14	<p>Surface Modification of Polypropylene Foil by Argon Plasma A. Vasina (Sp), P. Slepicka, A. Reznicková, P. Sajdl, V. Svorcik, Institute of Chemical Technology, Prag (Czech Republic)</p>
03 / G27	<p>Compatibilizing Effect of Maleated Polypropylene on the Mechanical Properties and Morphology of Injection Molded Polyamide 6.6/Polypropylene/Organoclay Nanocomposites A. Serier (Sp), M'Hamed Bougara University, Boumerdas (Algeria)</p>
04 / G97	<p>Polyurethane and Polylactide Blends for Biomedical Applications P. Bednarz (Sp), J. Laska, University of Science and Technology, Krakau (Poland)</p>
05 / G115	<p>Development and Evaluation of a Nonlinear Viscoelastic Model T. Naumann (Sp), Saarland University, Saarbrücken (Germany)</p>
06 / G116	<p>Development and Comparison of Two Different Methods to Determine the Compressibility of Rubber J. Zimmermann (Sp), Saarland University, Saarbrücken (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Tuesday Session -
07 / G153*	<p>The Multilayered Transparent Material with Silicon Interlayer A. Babin (Sp), N.S. Kitaeva, N.I. Shvets, S.V. Kondrashov, All-Russian Scientific Institute of aviation Materials, Moskau (Russian Federation); I.Y. Ruskol, E.I. Alekseeva, Institute of Chemistry and Technology of Organoelement Compounds, Moskau (Russian Federation)</p>
08 / G171	<p>Incorporation of Electromagnetic Wave Absorbing Characteristic to Woven Glass Fabrics By Surface Modification G. Gurer (Sp), O. Aydin Civi, A.F. Dericioglu, Middle East Technical University, Ankara (Turkey)</p>
09 / G176	<p>Analysis of the Influence of Moulded Fabric on the PP Boards with Natural Filler on the Deformation Behaviour P. Brdlik (Sp), M. Gajdořík, Technical University of Liberec (Czech Republic)</p>
10 / G187	<p>Influence of the Geometry of the Die on Swell Diameter of Parison in Extrusion Blow Moulding Technology J. Habr (Sp), Technical University of Liberec, Liberec 1 (Czech Republic)</p>
11 / G206	<p>Influence of Setting of Non-Linear Ultrasonic Tool Feed on Weld Strength of Parts from Polypropylene O. Kotera (Sp), D. Kopac, Technical University of Liberec (Czech Republic)</p>
12 / G208	<p>Influence of Welding Speed Regulation on the Welded Joint Quality at Ultrasonic Welding of Plastics D. Kopac (Sp), O. Kotera, Technical University of Liberec (Czech Republic)</p>
13 / G213	<p>Application of Statistical Multiscale methodology to Estimate Effective Threshold of CNTs in Thermal Properties of Nanotube-Filled Composites M. Baniassadi (Sp), A. Laachachi, A. Makradi, S. Belouettar, D. Ruch, CRP Henri Tudor, Esch/Alzette (Luxembourg); R. Muller, University of Strasbourg (France); H. Garmestani, Georgia Institute of Technology ,Materials Science and Engineering, Atlanta (USA); V. Toniazzo, CRP Henri Tudor, Esch/Alzette (Luxembourg); S. Ahzi, University of Strasbourg (France)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Tuesday Session -
14 / G235	<p>Microstructure Design of Ultra High Molecular Weight Polyethylene for Biomaterial Applications J.A. Delgado Rangel (Sp), F. Addiego, V. Toniazzi, Centre de Recherche Public Henri Tudor, Esch-sur-Alzette (Luxembourg); S. Patlazhan, Russian Academy of Sciences,, Moskau (Russian Federation); S. Ahzi, Université Louis Pasteur, Strasbourg (France)</p>
15 / G245	<p>Durability of Rubber During photo Ageing G. Mertz (Sp), F. Hassouna, D. Ruch, Centre recherche public Henri Tudor, Esch/Alzette (Luxembourg); A. Dahoun, Institut Jean Lamour, Nancy Cedex (France)</p>
16 / G271	<p>Metal-Doped Conductive Polymer for Hydrogen Storage M. Iordoc (Sp), G. Rimbu, R. Vasilescu-Mirea, I. Stamatina, National Institute for Research and Development in Electrical Engineering, Bucharest (Romania)</p>
17 / G319	<p>Mechanical and Dielectric Properties of Hollow Glass/Ceramic Microsphere Reinforced Polymer Based Syntactic Foams R.N.V. Kumar, C. Swetha (Sp), Indian Institute of Technology, Chennai (India)</p>
18 / G331	<p>Development of Continuously Welded Thin Wall PET Tubes for Application to the Straw Tracker of the NA62 Experiment at CERN M. Scheubel (Sp), H. Danielsson, N. Dixon, D. Letant-Delrieux, S. Sgobba, M. Taborelli, W. Vollenberg, CERN, Genf (Switzerland)</p>
19 / G355	<p>Synthesis of Mono(pentamethylcyclopentadienyl)chloride Lanthanides Complexes K. Krpoun (Sp), L. Richtera, S. Hermanová, V. Jancik, J. Jancar, Brno University of Technology (Czech Republic)</p>
20 / G353	<p>Concrete Rehabilitation Material - Possibilities of Use of Modified Epoxy with Waste Materials J. Kosíková (Sp), V. Petránek, G. Michalcová, Brno University of Technology (Czech Republic)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Tuesday Session -
Tuesday Session Topic B - Electric, Electronic and Magnetic Properties of Materials	
01 / B137*	Thermo-Sensitive Magnetic Properties in the Alloy System Ni-Cr-Fe A. Iorga (Sp), R. Saban, S. Ciuca, University Politehnica Bucharest (Romania); M. Codescu, L. Palii, National R&D Institute for Electrical Engineering, Bucharest (Romania)
02 / B164	Properties of Magnetostrictive Composites Based on High Volume Fraction of Terfenol-D Powder R. Mech (Sp), J. Kaleta, D. Lewandowski, Wroclaw Univeristy of Technology (Poland)
03 / B181	Microwave Sintering of Soft Magnetic Ni-Fe Alloys D. Erdem (Sp), F.A. Dericioglu, Middle East Technical University, Ankara (Turkey)
04 / B192	Dielectric and Magnetic Properties of Multiferroic BiFeO₃-(Pb,Ln)(Zr,Ti)O₃ Solid Solutions V. Proydakova (Sp), S.K. Korchagina, L.F. Rybakova, N.V. Sadovskaya, S.A. Ivanov, L.Ya. Karpov Institute of Physical Chemistry, Moscow (Russian Federation); A.A. Bush, Moscow State Institute of Radioengineering, Electronics and Automation (Russian Federation); E.D. Politova, L.Ya. Karpov Institute of Physical Chemistry, Moscow (Russian Federation)
05 / B198	Effect of Microstructure on Magnetic Properties of Ni-20wt%Fe Nanoolloy Powder Agglomerates G.-Y. Lee (Sp), J.-C. Yun, J.-S. Lee, Hanyang University, Ansan (Korea, Republic)
06 / B204	Effect of Heat Treatment on Magnetic and Phase Transformation Properties in Ferromagnetic Shape Memory Alloy Thin Films D. Underhill (Sp), Z. Barber, University of Cambridge (UK)
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Tuesday Session -
07 / B236	<p>High Temperature Transport Properties of Cerium and Indium Filled Cobalt-Antimonide Based Skutterudites Processed via Ball-Milling and Subsequent Short-Term Sintering A. Sesselmann (Sp), R. Hassdorf, L. Boettcher, C. Stiewe, S. Zastrow, E. Mueller, Deutsches Zentrum für Luft- und Raumfahrt e.V., Köln (Germany)</p>
08 / B266	<p>Thermoelectric and Mechanical Properties of Sintered Lead Telluride Samples A. Schmitz (Sp), C. Stiewe, E. Mueller, Deutsches Zentrums für Luft- und Raumfahrt (DLR), Köln (Germany)</p>
09 / B291	<p>In-Situ-TEM and SAED Analyses of the Domain Structure in $K0.5Bi0.5TiO3$ Perovskite Ceramics M. Otonicar (Sp), S.D. Skapin, B. Jancar, Jozef Stefan Institute, Ljubljana (Slovenia); R. Ubic, Boise State University, Idaho (USA); D. Suvorov, Jozef Stefan Institute, Ljubljana (Slovenia)</p>
10 / B333	<p>Aging of Schottky Barriers at Gold/Strontium Titanate Contacts W. Rheinheimer (Sp), M. Bäurer, Karlsruher Institut für Technologie, Eggenstein-Leopoldshafen (Germany)</p>
11 / B339	<p>Nanometer-Scale Nanolithography of Carbon-Based Electronic Elements Using Local Anodic Oxidation O.V. Sinitsyna (Sp), G.B. Meshkov, I.V. Yaminsky, M.V. Lomonosov Moscow State University (Russian Federation)</p>
12 / B357	<p>Strained epitaxial film growth of Fe70Pd30 magnetic shape memory alloy S. Weiss (Sp), J. Buschbeck, L. Schultz, S. Fähler, IFW Dresden (Germany)</p>
	<p>Tuesday Session Topic P - Electronic and Photonic Materials</p>
01 / P53	<p>Surface Plasmon Polariton Amplification by Active Media V. Lozovski, T.Shevchenko National University of Kyiv, Kiev (Ukraine); A. Tsykhonia (Sp), National Academy of Sciences of Ukraine, Kiev (Ukraine)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Tuesday Session -
02 / P56	<p>Designed Organophosphonate Self-Assembled Monolayers Enhance Device Performance of Pentacene-Based Organic Thin-Film Transistors</p> <p>K.-C. Liao (Sp), Princeton University (USA); A.G. Ismail, L. Kreplak, I.G. Hill, Dalhousie University, Halifax (Canada); J. Schwartz, Princeton University (USA)</p>
03 / P255	<p>Extraordinary Transmission of Electromagnetic Wave in Photonic Nanostructures</p> <p>V. Babicheva (Sp), Moscow Institute of Physics and Technology (State University), Dolgoprudny (Russian Federation); Y.E. Lozovik, Institute for Spectroscopy, Troitsk (Russian Federation)</p>
11:45	<p>Tuesday Session Topic E - Metals: Al-, Mg-, Ti-, Ni- Alloys, Steel, Intermetallics, MMCs, Foams</p>
01 / E15	<p>Formation of Quasicrystalline Phases and its Strengthening Effects in Al-Mn-Be-Cu Alloy</p> <p>N. Rozman (Sp), F. Zupanic, University of Maribor (Slovenia)</p>
02 / E17	<p>Heat Treatment Intermetallic Ortho Titanium Alloy</p> <p>V. Salenkov (Sp), VILS, Moscow (Russian Federation)</p>
03 / E76	<p>Development of Advanced Beta Titanium Alloys</p> <p>B. Zahra (Sp), C. Siemers, J. Rösler, Technische Universität Braunschweig (Germany)</p>
04 / E99	<p>Anti-Burning Mold Sand Additive as Component of Molding Sand Mixtures used in Magnesium Foundry</p> <p>V. Duyunova (Sp), All-Russian Scientific-Research Institute of Aviation Materials, Moskau (Russian Federation)</p>
05 / E102	<p>PM Composite Material Aluminium - SiC Particles Prepared by Direct Hot-Extrusion</p> <p>P. Krížik (Sp), M. Cavojsk, M. Balog, F. Simančík, Slovak Academy of Sciences, Bratislava (Slovak Republic)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Tuesday Session -
06 / E103	<p>Study of Selected Thermophysical Properties of Fe-Based Metallic Systems M. Zaludová (Sp), B. Smetana, S. Zlá, J. Dobrovská, VSB-Technical University of Ostrava, Ostrava (Czech Republic)</p>
07 / E104	<p>Temperature Changes of Surface Tension of Oxidic System with Various Rates of Complication S. Vitásková (Sp), R. Dudek, J. Dobrovská, VSB-Technical University of Ostrava, Ostrava (Czech Republic)</p>
08 / E105	<p>Solid State Recycling of Mg Chips P. Oslanec (Sp), Slovak Academy of Sciences, Bratislava (Slovak Republic)</p>
09 / E108	<p>Investigating the Structure of Fe-Cr Alloys for Model Validation A. Idhil Ismail (Sp), M. Samaras, C.N. Borca, M. Victoria, W. Hoffelner, Paul Scherrer Institut, Villigen (Switzerland)</p>
10 / E111	<p>Mechanical Properties of High Strength Aluminum Alloys Prepared by Rapid Solidification of the Melt. M. Cavojsky (Sp), P. Krížik, M. Balog, F. Simančík, Slovak Academy of Sciences, Bratislava (Slovak Republic)</p>
11 / E120	<p>The Influence of Spark Erosion Surface Treatment On Mechanical Properties and Fatigue Performance of Ti-6Al-4V for Biomedical Applications J. Strásky (Sp), M. Janecek, Charles University, Prague (Czech Republic); J. Fencel, Beznoska Ltd, Kladno (Czech Republic); L. Wagner, Clausthal University of Technology, Clausthal-Zellerfeld (Germany); P. Marcuba, Charles University, Prague (Czech Republic)</p>
12 / E125	<p>Evolution of Ti-Based Nonmetallic Inclusions During Solution Treatment of Maraging 250 Steels M. Shmulevitsh (Sp), M. Pinkas, A. Weizman, N. Frage, Ben-Gurion University of the Negev, Beer-Sheva (Israel)</p>
13 / E155	<p>Isothermal and Cyclic Oxidation of the TiAl-Base Intermetallic Alloy TNM at High Temperatures A. El Chaikh (Sp), H.-J. Christ, Universität Siegen (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Tuesday Session -
14 / E160	<p>Particle-Reinforced Silver by Means of the High-Energy Ball-Milling Process B. Wielage, T. Lampke, D. Nestler, Technische Universität Chemnitz (Germany); H. Steger (Sp), Technische Universität Chemnitz (Germany)</p>
15 / E161	<p>Powder Metallurgy of Particle Reinforced Aluminium Matrix Composites (AMC) by Means of High-Energy Ball-Milling B. Wielage, D. Nestler, S. Siebeck (Sp), H. Podlesak, Technische Universität Chemnitz (Germany)</p>
12:30	<p>Lunch</p>
14:00	<p>Plenary Lecture Designing of the Texture and Mechanical Properties of Duplex Stainless Steel Through Symmetric - Asymmetric Rolling C. Mapelli (Sp), Politecnico di Milano, Mailand (Italy)</p>
14:30	<p>Tuesday Session Topic E - Metals: Al-, Mg-, Ti-, Ni- Alloys, Steel, Intermetallics, MMCs, Foams (cont.)</p>
16 / E177	<p>Nitrogen Alloyed Steels for Power and Chemical Industry P. Martinek (Sp), P. Podan, COMTES FHT a.s., Plzen (Czech Republic); M. Balcar, ZDAS a.s., (Czech Republic)</p>
17 / E193	<p>Effect of Si-Addition as a Grain Refiner on Microstructure and Properties of Cast Ti-6Al-4V Alloy M.A. Abdelkawy Hammad (Sp), K.M. Ibrahim, Central Metallurgical Research and Development Institute-CMRDI, Kairo (Egypt); A. Hussein, Cairo university, Giza (Egypt); M. Mhaede, L. Wagner, TU-Clausthal, IWW, Clausthal-Zellerfeld (Germany)</p>
18 / E195	<p>Influence of Re-Melting on Purity of TiAlNb Alloys T. Bartak (Sp), Academy of Science of the Czech Republic, Brno (Czech Republic); L. Zemcik, BUT, Brno (Czech Republic); M. Svoboda, A. Dlouh, Academy of Science of the Czech Republic, Brno (Czech Republic)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Tuesday Session -
19 / E215	<p>Processing and Microstructure of Co-Continuous Copper/Alumina Composites Exhibiting High Strength O. Lott (Sp), A. Nagel, Aalen University (Germany); J. Göhler, Robert Bosch GmbH, Stuttgart (Germany); M. Hoffmann, University of New South Wales, Sydney (Australia)</p>
20 / E219*	<p>Effect of Si-Addition on Microstructural and Properties of Ti51-Ni49 Shape Memory Alloy A. Elzaabalawy (Sp), German University in Cairo, Nasr City (Egypt); K.M. Ibrahim, CMRDI, Cairo (Egypt); Y. Fouad, German University in Cairo, Nasr City (Egypt)</p>
21 / E221	<p>Evolution of Defects and Mechanical Properties in Extruded AZ31 Processed by ECAP J. Vrátná (Sp), M. Janecek, Charles University, Prag (Czech Republic); S. Yi, GKSS Research Centre, Geesthacht (Germany); J. Cizek, R. Kral, Charles University, Prag (Czech Republic)</p>
22 / E231	<p>Behavior of Fe-Cr Model Alloys under Thermal Ageing and Ion Irradiation: an Experimental Study V. Kuksenko (Sp), C. Pareige, University of Rouen (France); B. Décamps, Université Paris-Sud, Orsay (France); P. Desgardin, CEMHTI, Orléans (France); P. Pareige, University of Rouen (France)</p>
23 / E232	<p>Microstructure and Mechanical Properties of Cast Ti-6Al-4V with Small Additions of Boron R. Gaddam (Sp), E.J. Rodríguez Robles, M.L. Antti, R. Pederson, Luleå University of Technology, Lulea (Sweden)</p>
24 / E248	<p>Microstructure Changes and Physical Properties of the Intermetallic Compounds Formed at the Interface between Sn-Cu Solders and Cu Substrate Due to Minor Additions of Ni P. Harcuba (Sp), M. Janecek, Charles University in Prague (Czech Republic)</p>
25 / E249	<p>High Speed Radioscopy of Bubble Formation in Liquid Aluminium S. Beke (Sp), N. Babcsan, Bay Zoltán Foundation for Applied Research, Miskolc (Hungary); H.P. Degischer, Vienna University of Technology (Austria)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Tuesday Session -
26 / E253	<p>Optimization of the Architecture of a Cellular Material A. Götzfried (Sp), C. Davoine, S. Mercier, V. Marcadon, A. Rafray, ONERA, Chatillon (France)</p>
27 / E254	<p>Solid Solution Hardening of Molybdenum Alloys Manufactured by Powder Metallurgy C. Pöhl (Sp), H. Leitner, University of Leoben (Austria); J. Schatte, I. Wesemann, Plansee Metall GmbH, Reutte (Austria)</p>
28 / E260	<p>Mechanical Properties and Thermal Stability of Ultrafine-Grained Cu and CuZr Alloys Processed by Severe Plastic Deformation O. Srba (Sp), M. Janecek, Charles University in Prague (Czech Republic); M. Dopita, TU Bergakademie, Faculty of Mathematics and Physics of the Charles University, Freiberg (Germany)</p>
29 / E269	<p>Effect of the Powder Compaction and Pre-Treatment of the Foaming Agent on the Expansion Behavior and Porous Structure of Aluminium Foam J. Harnuskova (Sp), Slovak Academy of Sciences, Bratislava (Slovak Republic)</p>
30 / E273*	<p>Influence of Sn Content on Microstructural and Mechanical Properties of Cast Ti-30Nb Alloy E. Lopes (Sp), P.E.L. Moraes, R.J. Contieri, R. Caram, University of Campinas, Campinas, SP (Brazil)</p>
31 / E274*	<p>Effect of Cooling Rate on the Microstructure and Properties of Ti-15Cu Alloy R. Contieri (Sp), E.S.N. Lopes, T.C. Marcondes, R. Caram, Universidade Estadual de Campinas, Campinas, SP (Brazil)</p>
32 / E330*	<p>High Volume Fraction Particulate Aluminum / Windy Sand Metal Matrix Composites G. Roudini (Sp), A. Habbibi Eftekharm, University of Sistan and Baluchestan, Zahedan (Iran)</p>
33 / E345	<p>Thermal Transfer Enhancement in Copper-Diamond Composites M. Kitzmantel (Sp), J. Hell, K. Zellhofer, Vienna University of Technology, Wien (Austria); E. Neubauer, AIT Austrian Institute of Technology GmbH, Seibersdorf (Österreich); C. Eisenmenger-Sittner, Vienna University of Technology, Wien (Austria)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Tuesday Session -
34 / E347	<p>Al-Si Coatings for Application on Exhaust Systems in Automotive Industry A. Wróbel (Sp), B. Kucharska, University of Technology, Czestochowa (Poland)</p>
35 / E348	<p>Recrystallization in Modified AW 3003 Aluminum Alloy M. Poková (Sp), Charles University, Prague (Czech Republic)</p>
36 / E354	<p>Magnesium Alloy in Some Corrosion Environments J. Tkacz (Sp), M. Zmrzly, Brno University of Technology (Czech Republic)</p>
37 / E356	<p>Recrystallisation of single-phase Copper alloys A. Kauffmann (Sp), IFW Dresden (Germany); J. Freudenberger, H. Klauß, T. Marr, Technical University of Dresden (Germany); K. Nenkov, IFW Dresden (Germany); V.S. Sarma, IIT Madras, Chennai (India); J. Eckert, Technical University of Dresden (Germany); L. Schultz, IFW Dresden (Germany)</p>
<p>Tuesday Session Topic K - Simulation Methods and Modelling Methods</p>	
01 / K23	<p>Factors Influencing Choice of Time to Rupture Creep Model M. Talík (Sp), Czech Technical University in Prague (Czech Republic); T. Vlasák, SVÚM Bchovice, Research Centre, Prag (Czech Republic)</p>
02 / K75	<p>Fatigue & Damage Tolerance Assessment of Bonded and Hybrid Structures G. Delgrange (Sp), TU Delft (Netherlands)</p>
03 / K88	<p>PIM-Simulation and -Verification of an Experimental Mold cavity using a Mold Flow Simulation Tool M. Ahlhelm (Sp), T. Moritz, Fraunhofer Society, Dresden (Germany)</p>
04 / K114	<p>Numerical Analyse of Plastic Part J. Technik (Sp), Technical University of Liberec, Liberec 1 (Czech Republic)</p>
05 / K117	<p>Determination and Evaluation of Effective Inclusion Geometry by Micromechanical Modeling of Semicrystalline Polymers J.-M. Kaiser (Sp), Universität des Saarlandes, Saarbrücken (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Tuesday Session -
06 / K128	<p>Experimental Investigation and Thermodynamic Assessment of the Au-Ge-Ni Ternary System</p> <p>S. Jin (Sp), C. Leinenbach, J. Wang, L.I. Duarte, EMPA-Swiss Federal Laboratories for Materials Testing and Research, Dübendorf (Switzerland); A. Watson, A. Scott, University of Leeds (UK); S. Delsante, B. Borzone, University of Genova (Italy)</p>
07 / K216	<p>Theoretical DICTRA Simulations and Experimental Observation of Microstructure Formation in Complex Alloyed Sintered Steels</p> <p>P. Shykula (Sp), E. Dudrova, Institute of Materials Research of Slovak Academy of Sciences, Kosice (Slovak Republic); R. Frykholm, S. Bengtsson, Höganäs AB (Sweden)</p>
08 / K230	<p>Simulating the Process-and Product-Quality of the Weaving Process</p> <p>Y.-S. Gloy (Sp), T. Gries, J. Lose, P. Fritz, R. Schmitt, RWTH Aachen (Germany)</p>
09 / K238	<p>Integrative Simulation: Macro-Modeling of Semi-Crystalline Plastics with Regard to their Microstructure</p> <p>W. Michaeli, T. Baranowski, B. Heesel (Sp), RWTH Aachen (Germany)</p>
10 / K243	<p>Atomistic Simulation of Co-doped Alpha-Alumina Interfaces</p> <p>A. Tewari (Sp), P. Bowen, Ecole Polytechnique Fédérale de Lausanne (Switzerland)</p>
11 / K121	<p>Thermodynamic and Kinetic Modelling in Ti-Al-V Ternary System</p> <p>H. Wang (Sp), University of Birmingham (UK)</p>
16:15	<p>Discussion of all Posters of the Tuesday Session in front of the Panels</p>
17:15	<p>End of the second day</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Wednesday Session -
9:00	<p>Wednesday Session Topic F - Ceramics, CMC, Glass</p>
01 / F41	<p>Increases in Water Resistance of MDF Composites J. Másilko (Sp), F. Soukal, J. Koplík, L. Buzek, Brno University of Technology (Czech Republic)</p>
02 / F42	<p>The Synthesis of Aluminosilicate Systems Based on Alkali Activation of Industrial by-Products L. Buzek (Sp), J. Koplík, F. Soukal, J. Másilko, Brno University of Technology (Czech Republic)</p>
03 / F43	<p>Preparation of Calcium Aluminate Phases and their Reactivity J. Koplík (Sp), L. Buzek, J. Másilko, F. Soukal, Brno University of Technology (Czech Republic)</p>
04 / F44	<p>Effect of Additives on the Thermal Behavior on the Thermal Shock Resistant Ceramic H. Krejčová (Sp), P. Ptáček, Brno University of Technology (Czech Republic)</p>
05 / F46	<p>Rheological Properties of Gels for Pechini Syntheses M. Wirthová (Sp), M. Zmrzly, Brno University of Technology (Czech Republic)</p>
06 / F49	<p>Influence of the SiC Particles on the Wear Behaviour of Al₂O₃/SiC Composites E. Csehová (Sp), Slovak Academy of Sciences, Kosice (Slovak Republic); J. Sedláček, SAS, Bratislava (Slovak Republic); J. Dusza, Slovak Academy of Sciences, Kosice (Slovak Republic)</p>
07 / F58	<p>The Thermal Shock Properties of a Metal Fibre Reinforced Ceramic Composite B. Conduit (Sp), S. Pemberton, J. Dean, B. Clyne, University of Cambridge (UK); L. Marston, Fibretech, Cambridge (UK)</p>
08 / F64	<p>Crystallization of Al-Si Spinel Phase from Thermal Treated Kaolin M. Nosková (Sp), P. Ptáček, Brno University of Technology (Czech Republic)</p>
09 / F66	<p>TEM Study of Ostwald Ripening of HfO₂ Nanocrystals in a Polymer-Derived SiCO Glass K. Nonnenmacher (Sp), H.J. Kleebe, Technische Universität Darmstadt (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Wednesday Session -
10 / F72	<p>Microstructure and Mechanical Properties ZrO₂ + CNFs Composites</p> <p>V. Puchy (Sp), J. Dusza, Slovak Academy of Sciences, Kosice (Slovak Republic); G. Blugan, J. Kuebler, EMPA, Swiss Federal Laboratories for Materials Testing and Research, Duebendorf (Switzerland); J. Morgiel, Polish Academy of Sciences, Krakow (Poland); F. Inam, T. Peijs, M.J. Reece, Queen Mary University of London (UK)</p>
11 / F101	<p>Boron Carbide as an Alternative Carbon Source for the Reaction Bonding SIC (RBSC) Process</p> <p>S. Aroati (Sp), H. Dilman, S. Hayun, M. Dariel, N. Frage, Ben Gurion University, Beer-Sheva (Israel)</p>
12 / F144	<p>Synthesis and Properties of Li₂MnSiO₄ Composite Cathode Material for Safe Li-ion Batteries</p> <p>M. Swietoslawski (Sp), M. Molenda, R. Dziembaj, Jagiellonian University, Cracow (Poland)</p>
13 / F156	<p>The Notched Ball Test – a New Strength Test for Ceramic Balls</p> <p>S. Witschnig (Sp), P. Supancic, R. Danzer, Montanuniversität Leoben (Austria); O. Schöppel, SKF Development Centre Steyr (Austria)</p>
14 / F157	<p>Processing and Characterization of Textured Mullite Ceramics from Phyllosilicates</p> <p>S. Deniel (Sp), N. Tessier-Doyen, GEMH, ENSCI, Limoges (France); C. Dublanche-Tixier, ENSIL- SPCTS UMR CNRS 6638, Limoges (France); D. Chateigner, CRISMAT- ENSICAEN and IUT-Caen- Université de Caen Basse Normandie (); P. Blanchart, GEMH, ENSCI, Limoges (France)</p>
15 / F158	<p>Post-Irradiation Instability Dynamics in Quasi-Binary Arsenic-Antimony Trisulphide Glasses</p> <p>Y. Shpotyuk (Sp), Ivan Franko National University of Lviv (Ukraine); J. Filipecki, Jan Dlugosz University, Czestochowa (Poland)</p>
16 / F159	<p>Interface Reactions and Wetting Behavior in the Er₂O₃/Me (Me=Cu-Y) and Ta₂O₅/Me (Me=Al, Al-Cu) Systems</p> <p>S. Garnai (Sp), N. Froumin, S. Barzilai, N. Frage, Ben-Gurion University, Beer-Sheva (Israel)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Wednesday Session -
17 / F167*	<p>Delayed Hydride Cracking in Zirconium Alloys H.K. Namburi (Sp), S. Valnce, Paul Scherrer Institut, Villigen (Switzerland)</p>
18 / F170	<p>Creep and Oxidation Resistance of Rare-Earth Doped Si3N4 Based Composite P. Tatarko (Sp), M. Kačiarová, Slovak Academy of Sciences, Kosice (Slovak Republic); J. Morgiel, Polish Academy of Sciences, Krakow (Poland); J. Dusza, P. Šajgalik, Slovak Academy of Sciences, Kosice (Slovak Republic)</p>
19 / F172	<p>Effects of MWCNTs as Reinforcement in Ceramic SiCN Fibers O. Flores (Sp), University of Bayreuth (Germany); D. Koch, Universität Bremen (Germany); L. Heymann, W. Krenkel, G. Motz, Universität Bayreuth (Germany)</p>
20 / F180	<p>Wetting Phenomena and Infiltration in the Ceramic/ In-Ti Alloy Systems H. Nagar (Sp), S. Barzilaj, N. Froumin, N. Frage, Ben-Gurion University, Beer-Sheva (Israel)</p>
21 / F214	<p>Toughness Optimisation of a Metallic Fibre Reinforced Ceramic (MFC) S. Pemberton (Sp), E.K. Oberg, University of Cambridge (UK); L. Marston, Fibretech Ltd, Nottingham (UK); T.W. Clyne, University of Cambridge (UK)</p>
22 / F237	<p>Chalcogenide Glasses for Temperature Sensing in Radiation-Hazard Environment O. Shpotyuk (Sp), Scientific Research Company Carat, Lviv (Ukraine); R. Golovchak, Scientific Research Company Carat, Lviv (Ukraine); Y. Shpotyuk, Ivan Franko National University of Lviv (Ukraine)</p>
23 / F244	<p>Thermal Shock Damage on Self-Flow Refractory Castables of Alumina D. Gomes Pinto (Sp), A.P. Silva, T.C. Devezas, University of Beira Interior, Covilha (Portugal); A.M. Segadaes, University of Aveiro (Portugal)</p>
24 / F246	<p>High-Reliable Spinel Ceramics in Thick-Film Design for Temperature Sensor Application H. Klym (Sp), Lviv Polytechnic National University (Ukraine); I. Hadzaman, Institute of Materials of SRC Carat, Lviv (Ukraine); O. Shpotyuk, Institute of Physics of Jan Dlugosz University, Czestochowa (Poland); M. Brunner, Fachhochschule Köln (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Wednesday Session -
25 / F265	<p>Wear and Friction Behavior of Alumina Thin Films Prepared by Sol-Gel Methods P. Neska-Bakus (Sp), I. Piwonski, University of Lodz (Poland)</p>
26 / F276	<p>Bond Properties of GFRP Reinforcement in Concrete Under F/T Loading P. Maca (Sp), M. Hlobil, R. Sovjak, Czech Technical University, Prag (Czech Republic)</p>
27 / F280	<p>Mechanical Characterisation and Modelling of Layered Lightweight Material Systems for Impact Loading E. Oberg (Sp), C. Dunlevy, T.W. Clyne, University of Cambridge (UK); H. Specht, Tencate, Vissenbjerg (Dänemark)</p>
28 / F298	<p>Optimization of BSCF Braze Joints for OTM Applications by Finite Element Analysis G. Chen (Sp), A. Bezold, S. Dabbarh, C. Broeckmann, RWTH Aachen (Germany)</p>
29 / F324	<p>Preparation and Properties of Si3N4/TiN Nano-Composites A. Maglica (Sp), K. Krnel, T. Kosmac, Jozef Stefan Institute, Ljubljana (Slovenia)</p>
30 / F162	<p>Corrosion Resistance of Al2O3-SiC-C Refractories against Silicate Slags and Low Oxygen Partial Pressures J. Zimmermann (Sp), Forschungsgemeinschaft Feuerfest, Bonn (Germany); Y. Hemberger, Eberhard-Karls-Universität Tübingen (Germany); O. Krause, Forschungsgemeinschaft Feuerfest, Bonn (Germany)</p>
10:30	<p>Wednesday Session Topic A - Mechanical Properties: Plastic Deformation, Fatigue, Fracture, Creep</p>
01 / A2	<p>Flow Curve Characteristics of 420 Martensitic Stainless Steel under Hot Working Conditions H. Keshmiri (Sp), Esfarayen Industrial Complex, Tehran (Iran); M. Mohtarami, Interfer Edelstahl GmbH, Teheran (Iran); M. Mirzaee, Azad Mashhad University, (Iran)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Wednesday Session -
02 / A11	<p>Thermal Fatigue Crack Growth in Stainless Steel M. Kadlec (Sp), P. Hausild, J. Siegl, A. Materna, Czech Technical University in Prague (Czech Republic)</p>
03 / A22	<p>A Non-Local Constitutive Hardening Model Based on the Rate Theory of Dislocation Fluxes and Densities of Signed Character P. Eisenlohr, C. Kords (Sp), E. Demir, F. Roters, D. Raabe, Max-Planck-Institut für Eisenforschung, Düsseldorf (Germany)</p>
04 / A37	<p>Effect of Microstructural Parameters on Twinning Activity of hcp Metals J. Capek (Sp), K. Máthis, Charles University, Prag (Czech Republic)</p>
05 / A47	<p>Local Tests of Mechanical Properties of Materials J. Wasserbauer (Sp), M. Zmrzly, Brno university of Technology (Czech Republic)</p>
06 / A51	<p>Clamp Load Retention of Bolted Joints under Alternating and Superposed Thermal Stress M. Duchardt (Sp), B. Kaiser, C. Berger, Technische Universität Darmstadt (Germany)</p>
07 / A52	<p>Development of a Test Procedure for Fasteners at Low Temperatures M. Stephan (Sp), B. Kaiser, C. Berger, Technische Universität Darmstadt (Germany)</p>
08 / A61	<p>Mechanical Anisotropy Study of AZ31 Magnesium Alloy K. Mathis, Z. Zdrzilova (Sp), Charles University, Prag (Czech Republic)</p>
09 / A62	<p>Durability Analysis of Thermally Activated Concrete for a Sustained Temperature Control of Buildings K. Löchner (Sp), J. Beyer, H. Haupt, A. Bockenheimer, C. Berger, Technische Universität Darmstadt (Germany)</p>
10 / A73	<p>HT-LifePlus – Procedure for Lifetime Evaluation of Corrosive, Thermal and Mechanical Stressed Components up to 1200°C A. Scholz, C. Berger, S. Schmitt (Sp), Technische Universität Darmstadt (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Wednesday Session -
11 / A74	<p>Residual Strain Measurements on a Single-Crystal Nickel-Based Superalloys Turbine Blade using Neutron Diffraction S. Pierret (Sp), A. Evans, Paul Scherrer Institut, Villigen-Psi (Switzerland); A. Paradowska, Rutherford Appleton Laboratory, Oxfordshire (UK); T. Etter, ALSTOM Ltd, Baden (Switzerland); H. Van Swygenhoven, Paul Scherrer Institut, Villigen-Psi (Switzerland)</p>
12 / A77	<p>Microstructure Evolution during Thermomechanical Fatigue of Sn-Ag-Cu Solder Joints Y. Weng (Sp), Universität Stuttgart (Germany); M. Güth, Robert Bosch GmbH, Stuttgart (Germany); R. Ratchev, Robert Bosch GmbH, Stuttgart (Germany); H.P. Strunk, Universität Stuttgart (Germany)</p>
13 / A94*	<p>Cold Rolling of Ferromanganese Steel TWIP K. Drozd (Sp), J. Horsinka, J. Kliber, VSB - Technical University of Ostrava, Ostrava-Poruba (Czech Republic)</p>
14 / A95*	<p>Hot Deformed Steel Mathematical Describing of Stress - Strain Behavior J. Horsinka (Sp), K. Drozd, J. Kliber, VSB - Technical University of Ostrava, Ostrava-Poruba (Czech Republic)</p>
15 / A106	<p>In Situ Laue Micro-Diffraction during Compression of Mo Micropillars J. Zimmermann (Sp), S. Van Petegem, Paul Scherrer Institute, Villigen (Switzerland); H. Bei, Oak Ridge Natl Lab (USA); E.P. George, Oak Ridge Natl Lab, University Tennessee, Oak Ridge, Knoxville (USA)</p>
16 / A110	<p>Strength of Cubic Crystals under Uniaxial Compression and Transverse Biaxial Stresses P. Rehak (Sp), M. Cerny, J. Pokluda, Brno University of Technology (Czech Republic)</p>
17 / A138	<p>Hydrogen Embrittlement in High Strength Steels as a Limiting Factor for Light Weight Body in White Design M. Loidl (Sp), BMW Group, München (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Wednesday Session -
18 / A143*	<p>In-Situ Mechanical Testing of Creep Resistant Bainitic Steel Using Synchrotron and Neutron Diffraction</p> <p>M. Weisser (Sp), Paul Scherrer Institute, Villigen (Switzerland); A. Evans, Paul Scherrer Institut, Villigen (Switzerland); S.R. Holdsworth, EMPA Materials Science & Technology, Dübendorf (Switzerland); H. Van Swygenhoven, Paul Scherrer Institut, Villigen (Switzerland)</p>
19 / A150	<p>Effects of Copper and Carbon on the Wear Resistance of Fe-Ni-Cu-C Austenitic Alloys</p> <p>G.S. Shin (Sp), K.N. Kim, H. Ko, M. Chul, S.J. Kim, Hanyang University, Seoul (Korea, Republic)</p>
20 / A166	<p>Influence of Notches and Microstructure on the Very High Cycle Fatigue Behaviour of Welded Aluminium Joints</p> <p>M. Cremer (Sp), M. Zimmermann, H.-J. Christ, Universität Siegen (Germany)</p>
21 / A184	<p>Microstructure and Fracture Properties of the Eurofer'97 after Ageing</p> <p>L. Stratil (Sp), H. Hadraba, I. Dlouhy, Academy of Sciences of the Czech Republic, Brno (Czech Republic)</p>
22 / A199	<p>Crack Initiation Behavior of Silicate Based Oxide Glasses under Sharp Indentation</p> <p>P. Sellappan (Sp), F. Célarié, T. Rouxel, Université de Rennes 1, Rennes Cedex (France)</p>
23 / A201	<p>Formability and Mechanical Properties of Magnesium Sheets AZ31</p> <p>L. Stutz (Sp), D. Letzig, K.U. Kainer, GKSS Research Centre, Geesthacht (Germany)</p>
24 / A202	<p>Low-cycle Fatigue Properties of Nickel-base Superalloy Inconel 792-5A at Elevated Temperature</p> <p>M. Smid (Sp), K. Obrtlík, M. Petrenek, J. Polak, Academy of Sciences of the Czech Republic, Brno (Czech Republic)</p>
25 / A227	<p>High Cycle Fatigue Behaviour of MN11</p> <p>L. Nascimento Silva (Sp), S. Yi, J. Bohlen, D. Letzig, K.U. Kainer, GKSS Research Centre, Geesthacht (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Wednesday Session -
26 / A239	<p>Fatigue and Tensile Properties of Hybrid Ti/CFRP Laminates K. Schulze (Sp), Deutsches Zentrums für Luft- und Raumfahrt, Köln (Germany)</p>
27 / A250	<p>Fatigue Assessment of Different Cast Irons on the Basis of Mechanical Stress-Strain Hysteresis, Temperature and Electrical Resistance Measurements H. Germann (Sp), University of Kaiserslautern (Germany); P. Starke, E. Kerscher, D. Eiffler, Universität Kaiserslautern (Germany)</p>
28 / A284	<p>DOCOL 1200 Elongation Optimization P. Konopik (Sp), COMTES FHT Inc, Dobruany (Czech Republic); J. Dzugan, Z. Novy, P. Podany, COMTES FHT sro, Dobruany (Czech Republic)</p>
29 / A311*	<p>Numerical Determination of the Mechanical Properties of the Particulate Composites Z. Majer (Sp), Brno University of Technology (Czech Republic); P. Hutar, Z. Knesl, Academy of Sciences, Brno (Czech Republic)</p>
30 / A335*	<p>Vibration of Symmetrically Laminated Angle-Ply Rectangular Plates (Free Vibration Analysis of laminated Composite Plateslaminated Composite Plates) L. Bouyaya (Sp), A. Lechrine, University 20 aout 55, Skikda (Algeria); F. Mili, University of Mentouri, Constantine (Algerien)</p>
31 / A205	<p>Influence of Oxide Dispersion on Fatigue Properties of Eurofer Steel I. Kubena (Sp), T. Kruml, Institute of Physics of Materials, Brno (Czech Republic)</p>
12:00	<p>Discussion of all Posters of the Wednesday Session in front of the Panels</p>
13:00	<p>Lunch</p>
* = no oral presentation	

FEMS LECTURER SESSION

Time/ Poster No.	Lecture Hall B - Wednesday Session -
	
14:00	<p>Metal foams: a 21st Century Challenge of Material Innovations N. Babcsan (Sp), Bay Zoltán Foundation for Applied Research, Miskolc (Hungary)</p>
14:20	<p>Atomic Scale Characterization of Nanoscaled Structures by Atom Probe Tomography X. Sauvage (Sp), University of Rouen, Saint-Etienne du Rouvray (France)</p>
14:40	<p>Scaffold-based Segmental Bone Defect Healing in Sheep Tibiae A. Cipitria Sagardia (Sp), Charité - Universitätsmedizin Berlin (Germany)</p>
15:00	<p>Direct Observation of Deformation Mechanisms in Partially-solid Alloys C.M. Gourlay (Sp), Imperial College London (UK)</p>
15:20	<p>Energy Absorption during Projectile Perforation of Thin Metal Plates J. Dean (Sp), P.M. Brown, C.S. Dunleavy, T.W. Clyne, University of Cambridge (UK)</p>
15:40	<p>Microbial Aspects in Corrosion Studies J. Michalska (Sp), Silesian University of Technology, Katowice (Poland)</p>
16:00	<p>End of the third day</p>
16:30	<p>Barbecue and Festival</p>
<p>* = no oral presentation</p>	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Thursday Session -
9:00	<p>Thursday Session Topic C - Corrosion, Wear, Biocompatibility</p>
01 / C33*	<p>Biological Environment Behavior and Corrosion Characteristics of Some Alloys (Cr-Co, Cr-Ni) for Dentistry V-G. Vasilescu (Sp), Carol Davila University, Bucharest (Romania); E. Vasilescu, Dunarea de Jos University of Galati (Romania)</p>
02 / C38	<p>Behaviour of PVD Multi Layer in Corrosion and Erosion Conditions U. Depner (Sp), J. Ellermeier, T. Troßmann, C. Berger, Technische Universität Darmstadt (Germany)</p>
03 / C55	<p>Modified Phosphoric Acid Anodising in Combination with a Nanochemical Impregnation-An Environmental Compliant Replacement for Chromic Acid Anodising S.K. Weidmann (Sp), DECHEMA e.V., Frankfurt am Main (Germany); K. Kremmer, Fraunhofer-Institut für Keramische Technologien und Systeme, Frankfurt am Main (Germany); M. Schneider, Fraunhofer-Institut für Keramische Technologien und Systeme, Dresden (Germany); W. Fürbeth, DECHEMA e.V., Frankfurt am Main (Germany)</p>
04 / C80	<p>Microbiological Corrosion of Aviation Fuel Systems A. Vasilyeva (Sp), A.Y. Polyakova, All-Russian Institute of Aviation Materials, Moskau (Russian Federation)</p>
05 / C109	<p>Improvement of the Wear Resistance of Contact Elements by Galvanic Co-Precipitation of Hard Micro Particles during Deposition of Thin Silver Coatings I.V. Rigou (Sp), Eftimie Murgu University, Resita (Romania); G. Marginean, Fachhochschule Gelsenkirchen (Germany); D. Frunzaverde, Eftimie Murgu University, Resita (Romania); W. Brandl, Fachhochschule Gelsenkirchen (Germany)</p>
06 / C112	<p>Investigation of the Corrosion Properties of Free-Machining Titanium Alloys F. Depentori (Sp), DECHEMA e. V., Frankfurt (Germany); J. Laukart, Universität Braunschweig (Germany); S. Benfer, DECHEMA e. V., Frankfurt (Germany); C. Siemers, Universität Braunschweig (Germany); W. Fürbeth, DECHEMA e. V., Frankfurt (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Thursday Session -
07 / C122	<p>Influence of Rare Earths on Biocompatibility of Microalloyed Gold</p> <p>T. Zupancic Hartner (Sp), Zlatarna Celje d.d. (Slovenia); M. Colic, Military Medical Academy, Belgrade (Serbia); D. Stamenkovic, University of Belgrade (Serbia); R. Rudolf, I. Anzel, University of Maribor (Slovenia)</p>
08 / C124	<p>Model for the Passivation of Stainless Steel AISI 304L as a Function of Mechanical and Chemical Surface Treatments</p> <p>M. Sorg (Sp), T. Ladwein, Fachhochschule Aalen (Germany)</p>
09 / C149	<p>Bioactive Nano-Coatings on Metallic Substrates Obtained by Sol-Gel Method</p> <p>J. Krzak-Ros (Sp), Wroclaw University of Technology (Poland); K. Marycz, Wroclaw University of Environmental and Life Sciences (Poland); W. Urbanski, Wroclaw Medical University (Poland); M. Miller, Wroclaw University of Technology (Poland)</p>
10 / C151	<p>Effects of Strain Induced Martensitic Transformation on the Cavitation Erosion Resistance and Incubation Time of Fe-Cr-Ni-C Alloys</p> <p>M.C. Park (Sp), S.J. Kim, Hanyang University, Seoul (Korea, Republic)</p>
11 / C179	<p>Hydrogen Entry into Iron with a Zirconia Sol-Gel Coating</p> <p>I. Voloshchuk (Sp), T. Zakroczymski, Institute of Physical Chemistry, PAS, Warsaw (Poland)</p>
12 / C182	<p>Evaluation of Different Stainless Steels under Tribocorrosive Stress in Harsh Marine Environment</p> <p>A. von Bonin (Sp), Hochschule Aalen (Germany); N. Espallargas, R. Johnson, Norwegian University of Science and Technology, Trondheim (Norway); C. von der Ohe, National Oilwell Norway AS, Kristiansand (Norway)</p>
13 / C186	<p>Influence of Phase Composition of HVOF-Sprayed WC-CoCr Coatings on the Sliding Wear and Corrosion Behaviour</p> <p>I.F. Secosan (Sp), G. Marginean, W. Brandl, Fachhochschule Gelsenkirchen (Germany); V.A. Serban, University Politehnica, Timisoara (Romania)</p>
14 / C188	<p>Electrochemical and Physical Characterization of Surface Properties on Stainless Steel AISI 304L and 316L</p>
* = no oral presentation	S. Schilling (Sp), T. Ladwein, M. Sorg, Hochschule Aalen (Germany)

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Thursday Session -
15 / C189	<p>Physical and Corrosion Properties of Electrodeposited Ni-W Alloys and Ni-W Based Dispersion Coatings</p> <p>H. Simunkova (Sp), A.H. Whitehead, Center of Competence in Applied Electrochemistry, Wiener Neustadt (Austria); P. Lammel, EADS Deutschland GmbH, Munich (Germany); C. Donner, Atotech Deutschland GmbH, Berlin (Germany); B. Gollas, Graz University of Technology, CEST GmbH (Austria)</p>
16 / C209	<p>Impact of UHMWPE Texture (Microstructure) on Friction and Wear Resistance of Hip Prosthesis. A Bio-tribocorrosion Approach</p> <p>F. Eddoumy (Sp), O. Buchheit, F. Addiego, Centre de Recherche Public Henri Tudor, Esch-sur-Alzette (Luxembourg); J.-P. Célis, Katholieke Universiteit Leuven (Belgium); R.M. Muller, University Strasbourg (France); D. Ruch, Centre de Recherche Public Henri Tudor, Esch-sur-Alzette (Luxembourg)</p>
17 / C218	<p>Determination of Subsurface Microstructures of a CoCrMo Alloy after Different Manufacturing Processes</p> <p>P. Stemmer (Sp), R. Pourzal, B. Gleising, A. Fischer, University of Duisburg-Essen (Germany)</p>
18 / C220	<p>Chemical Composition of CoCrMo wear Particles Generated in Orthopaedic Bearings</p> <p>R. Seeger (Sp), R. Pourzal, R. Theissmann, B. Gleising, A. Fischer, Universität Duisburg-Essen (Germany)</p>
19 / C222	<p>Wear Performance of CoCrMo Alloy after Different Surface Treatments</p> <p>M. Joeken (Sp), R. Pourzal, P. Stemmer, B. Gleising, A. Fischer, Universität Duisburg-Essen (Germany)</p>
20 / C226*	<p>Corrosion Properties of Bulk Metallic Glasses and Conventional Metallic Alloys for Biomedical Implants</p> <p>M. Nezafati (Sp), D. Persson, Swerea KIMAB, Stockholm (Sweden); S.J. Savage, FOI, Linköping (Sweden); R.E. Aune, NTNU, Trondheim (Norway)</p>
21 / C228	<p>The Effect of Surface Treatment on the Thermal Properties of Sm₂Co₁₇ Particles</p> <p>I. Qadeer (Sp), S.J. Savage, B. Azdhar, Kungliga Tekniska Högskolan, Stockholm (Sweden)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Thursday Session -
22 / C233	<p>Stress Corrosion Cracking of Titanium Alloys in contact with Copper P. Åkerfeldt (Sp), A. Rana, M. Antti, R. Pederson, Luleå University of Technology, Lulea (Sweden)</p>
23 / C258	<p>Characterization of Wear Particles from Surgical Instruments S. Li (Sp), R. Pourzal, Universität Duisburg-Essen (Germany); W. Dudzinski, Technical University Wroclaw (Poland); N. Erol, Universitätsklinikum Essen (Germany); M. von Knoch, Klinikum Bremerhaven (Germany); A. Fischer, Universität Duisburg-Essen (Germany)</p>
24 / C262*	<p>A Study on Corrosion Behavior of Aluminium Alloys in Chloride Solutions M. Krasovskiy (Sp), V.O. Lavrenko, Institute for Problems of Material Science NASU, Kyiv (Ukraine)</p>
25 / C325	<p>Efficiency of Concrete Coatings on Chloride Induced Corrosion of Rebars F. Bolzoni, A. Brenna (Sp), M. Ormellese, Politecnico di Milano (Italy)</p>
26 / C327	<p>Biomedical Applications of Diamond-Like Carbon Coatings: The Review V. Jahodova (Sp), Technical University of Liberec (Czech Republic)</p>
<p>Thursday Session Topic H - Processing: Casting, Rolling, Extrusion, Powder Technology, Machining, Joining</p>	
01 / H68	<p>Dissimilar Welds of Nuclear Standard and ODS Steels V. Widak (Sp), Forschungszentrum Karlsruhe GmbH, Eggenstein-Leopoldshafen (Germany); B. Dafferner, Karlsruher Institut für Technologie–IMF I (Germany); S. Grydin, Leibnitz University, Hannover (Germany); S. Heger, Karlsruher Institut für Technologie– IMF I (Germany); M. Rieth, Karlsruher Institut für Technologie- IMF I (Germany)</p>
02 / H69	<p>Manufacture of Complex Micro Components by Composite Casing D. Buqezi-Ahmeti (Sp), H.J. Ritzhaupt-Kleissl, J. Glaser, Karlsruher Institut für Technologie(KIT), Eggenstein-Leopoldshafen (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Thursday Session -
03 / H70	<p>Investigation of the Effect of High-Gradient Directional Solidification on the Structure and Properties of Cast Specimens Made of Modern Heat-Resistant Re-Containing Super Alloy</p> <p>A. Echin (Sp), Y. Bondarenko, All-Russian Institute of Aviation Materials, Moskau (Russian Federation)</p>
04 / H118	<p>Oxygen Free Copper from the Technology of Continuous Up-Casting in the Electronic Technology and Lossless Audio-Video Signal Transmission</p> <p>M. Walkowicz (Sp), T. Knych, B. Smyrak, AGH University of Science and Technology, Krakau (Poland)</p>
05 / H119	<p>Evolution of Structure and Proprieties of AlMgSi Alloy for Wire Rod During Continuous Casting and Rolling Method by Continuous-Properzi</p> <p>P. Osuch (Sp), B. Smyrak, T. Knych, AGH University of Science and Technology in Cracow, Krakau (Poland)</p>
06 / H130	<p>The Comparison of Activation Energies of Ink Curing for Conventional Printing Technologies</p> <p>N. Vukic (Sp), V. Simendic, R. Radicevic, I. Ristic, L. Tanasic, B. Simendic, D. Novakovic, University of Novi Sad (Serbia)</p>
07 / H136	<p>The Effect of Cold Metal Transfer Welding on the Microstructure and Properties of Ferritic Stainless Steel</p> <p>A.J. Smith, S. Magowan (Sp), Sheffield Hallam University (UK)</p>
08 / H163*	<p>Obtaining High-Quality Permanent Joints for Dissimilar Materials using Electron Beam Welding: Experimental Studies and Finite Element Modeling</p> <p>A. Pobol (Sp), I. Pobol, Physical-Technical Institute, Minsk (Belarus)</p>
09 / H169*	<p>Condition of Steel after Plasma Cutting</p> <p>V. Nazarova (Sp), V. Krylov-Olefirenko, Physical-Technical Institute, Minsk (Belarus)</p>
10 / H283	<p>Ultrasonic Metal Welding of AA5754 to Carbon Fibre Reinforced Polymers (CFRP)</p>
* = no oral presentation	<p>S. Huxhold (Sp), F. Balle, G. Wagner, D. Eifler, Universität Kaiserslautern (Germany)</p>

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Thursday Session -
11 / H296	<p>Induction Brazing of Metal - Ceramic B. Wielage, I. Hoyer, S. Hausner (Sp), Technische Universität Chemnitz (Germany)</p>
12 / H344	<p>Development of a Novel Method for Synthesizing Titanium Foams E. Steinhoff (Sp), Q. Li, University of Nevada, Reno (USA)</p>
13 / H346*	<p>Processing and Characterization of Highly Porous Zeolite 13X Monoliths for CO2 Adsorption N. Keshavarzi (Sp), F. Akhtar, L. Bergström, Stockholm University (Sweden)</p>
14 / H378	<p>The Development of Friction Stir Processing as a Manufacturing Method to Improve Industrial Blade Ddge Retention S. Dodds (Sp), Sheffield Hallam University (UK)</p>
<p>Thursday Session Topic M - Biomimetic and Bioinspired Approaches; Biofunctional Materials</p>	
01 / M59	<p>Solvent-free Liquid Proteins that Retain Biological Structure and Function A. Brogan (Sp), A. Perriman, University of Bristol (UK); H. Colfen, Max-Planck centre for colloids and interfaces, Golm (Germany); S. Mann, University of Bristol (UK)</p>
02 / M65	<p>Gas Phase Sintering of Hydroxyapatite / Beta-Tricalcium Phosphate Scaffolds for Bone Replacement Applications M. Schlosser (Sp), H.J. Kleebe, Technische Universität Darmstadt (Germany)</p>
03 / M71	<p>Biocompatibility of Nanostructured Silicon and TiO2 J. Hönig (Sp), T.F. Keller, Friedrich-Schiller-Universität Jena (Germany); T. Schüler, R. Möller, Institute of Photonic Technologies, Jena (Germany); C. Ronning, Friedrich-Schiller-Universität Jena (Germany)</p>
04 / M81	<p>Microwave Application in Synthesis of Biobased Polymer Materials I. Ristic, V. Simendic (Sp), University of Novi Sad (Serbia); L. Nikolic, University of Nis, Leskovac (Serbia); B. Adnadjevic, J. Jovanovic, University of Belgrade (Serbia); J. Budinski-Simendic, University of Novi Sad (Serbia)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Thursday Session -
05 / M93	<p>Pseudomorphic Replacement Reactions of Biogenic Carbonates for Bone Replacement Applications S. Schultheiß (Sp), Technical University of Darmstadt (Germany); I. Sethmann, H.J. Kleebe, Technische Universität Darmstadt (Germany)</p>
06 / M98	<p>Atmospheric Plasma Polymerization: A New Tool in the Creation of Molecularly Imprinted Plasma (MIP) Biosensors C. Amorosi (Sp), Centre de Recherche Public Henri Tudor (CRP) Henri Tudor, Esch/Alzette (Luxembourg); L. Averous, Laboratoire d'Ingénierie des Polymères pour les Hautes Technologies, Strasbourg (France); M. Michel, D. Ruch, V. Toniazio, Centre de Recherche Public Henri Tudor (CRP) Henri Tudor, Esch/Alzette (Luxembourg)</p>
07 / M123	<p>Designing of Dense Nanostructured Calcium Phosphate Based Biceramics M. Lukic (Sp), Z. Stojanovic, L. Veselinovic, S. Markovic, D. Uskokovic, Institute of Technical Sciences of the Serbian Academy of Sciences and Arts, Belgrade (Serbia)</p>
08 / M145	<p>Hydrophobic Coating for Cardiovascular Devices B. Butruk (Sp), T. Ciach, Warsaw University of Technology (Poland)</p>
09 / M146	<p>Grain Growth in the Medical Implant Steels X2CrNiMo18-15-3 and X13CrMnMoN18-14-3 C. Schoss (Sp), M.A. Schymura, A. Fischer, Universität Duisburg-Essen (Germany)</p>
10 / M154	<p>Preparation and Properties of Resorbable Membranes for Guided Tissue Regeneration M. Krok (Sp), AGH - University of Science and Technology, Krakau (Poland); R. Hess, Technische Universität Dresden (Germany); I. Wojak, AGH - University of Science and Technology, Technical University in Dresden, Krakau (Poland); D. Scharnweber, Technische Universität Dresden (Germany); E. Pamula, AGH - University of Science and Technology, Krakau (Poland)</p>
11 / M174	<p>Mechanical Behavior of Biodegradable and Figuline Gelatin-CaP-Cements i) During Setting Reaction and ii) after Different Storage Conditions F. Dombrowski (Sp), Bundesanstalt für Materialforschung und -prüfung (BAM), Berlin (Germany)</p>
* = no oral presentation	

ORAL AND POSTER PRESENTATION

Time/ Poster No.	Lecture Hall B and Poster Area I - Thursday Session -
12 / M185	<p>Developing Pathways for the Processing of “Bioinspired” Polymer Matrix Composites E. Aydoğan (Sp), F.A. Dericioglu, Middle East Technical University, Ankara (Turkey)</p>
13 / M197	<p>A Raman Study of Surface Hydroxyl Groups on Heat Treated Hydroxyapatite Pellets E. Vinck, VITO NV / University of Antwerp, Antwerpen (Belgium); V. Ozhukil Kollath (Sp), VITO NV, Mol (Belgium); S. Mullens, J. Luyten, Materiaaltechnologie, VITO NV, Mol (Belgium); R. Persoons, VITO NV, Mol (Belgium); K. Traina, R. Cloots, University of Liège (Belgium)</p>
14 / M211	<p>Physico-Chemical Properties and Biocompatibility of Grafted Polyethylene Z. Makajová (Sp), N. Slepicková-Kasálková, Institute of Chemical Technology Prague (Czech Republic); L. Bacáková, Academy of Sciences of the Czech Republic, Prag (Czech Republic); V. Svorcik, Institute of Chemical Technology Prague (Czech Republic)</p>
15 / M267	<p>Novel Microspheres Based Material for Bone Tissue Engineering Application M. Kucharska (Sp), Warsaw University of Technology (Poland); K. Walenko, Medical University of Warsaw (Poland); T. Ciach, Warsaw University of Technology (Poland)</p>
16 / M287	<p>Nanostructural Materials for Implants and Cardiovascular Biomedical Devices R. Major (Sp), Polish Academy of Sciences, Krakow (Poland)</p>
17 / M320	<p>Bionics – 21st Century Way L. Trinh Thi (Sp), Technical university of Liberec (Czech Republic)</p>
18 / M323	<p>Biocompatibility and Bioactivity of Calcium Phosphate Coatings on ZrO₂ Ceramics M. Stefanic (Sp), Faculty of Chemistry and Chemical Technology, Ljubljana (Slovenia); K. Krnel, T. Kosmac, Jozef Stefan Institute, Ljubljana (Slovenia); M. Renko, Faculty of Chemistry and Chemical Technology, Ljubljana (Slovenia)</p>
12:15	<p>Discussion of all Posters of the Thursday Session in front of the Panels</p>
13:15	<p>Lunch</p>
* = no oral presentation	

AWARD PRESENTATION / CLOSING

Time/ Poster No.	Lecture Hall B - Thursday Session -
14:00	<p>Poster Awards</p> <p>The best two posters of each session will receive a certificate and a prize of 100 Euro for the first and 50 Euro for the second winner. On Thursday the session winners will take part in the competition of the best conference poster. The winner and the second winner will receive an extra award of 150 Euro and 100 Euro, respectively.</p> <p>Best two posters of the Monday Session; Topic N, D, I, L Best two posters of the Tuesday Session; Topic G, B, P, E, K Best two posters of the Wednesday Session; Topic F, A Best two posters of the Thursday Session; Topic C, H, M</p>
14:45	<p>Plenary Lecture</p> <p>Nanotechnology: Does it have to be Complicated?</p> <p>L. Belova (Sp), Royal Institute of Technology, Stockholm (Sweden)</p>
15:15	<p>Closing Adress incl. Poster Price and Fems Lecturer Awards</p> <p>Pedro D. Portella, Federal Institute for Materials Research and Testing, Berlin (Germany)</p>
16:15	<p>End of Conference</p>
* = no oral presentation	

GENERAL INFORMATION

Welcoming Reception

The welcoming reception on Monday evening will be held in the Unithèque, 10 minutes walking distance from the conference location.

The welcoming reception will be sponsored by the local government of Canton de Vaud.

Beginning: 18:00 h

Lunch during the Week

You can have lunch in the cafeteria within the building Amphimax (next to Amphipôle). We will provide you with lunch tickets at the conference office along with your name badge. One ticket has the value of 13,50 SFR.

Please note!

If this sum is exceeded you will have to pay the difference.

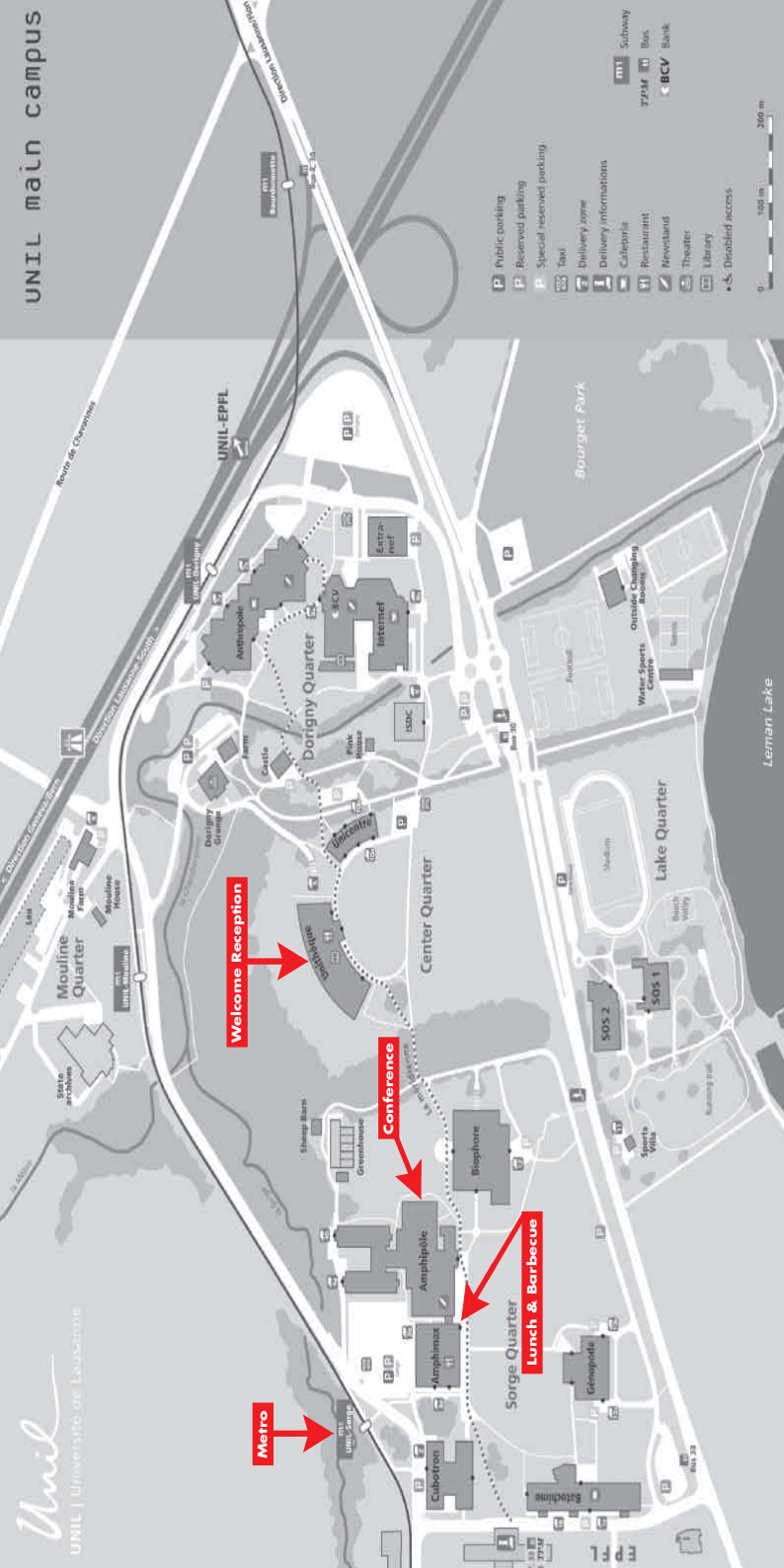
Barbecue and Festival

The festival will start with a self organised barbecue outside the building. Later in the evening we all together walk to the lake where the festival will continue. Delegates are invited to contribute by playing their own instruments.

The cover and the basic set of food: one sausage, one salad, three drinks (non-alcoholic beverage or beer) are included in the conference fee. Tickets for additional sausages and beers may be purchased at the conference office.

Beginning: 16:30 h

Open end



Welcome Reception



Conference



Lunch & Barbecue



Metro



- P** Public parking
- P** Reserved parking
- P** Special reserved parking
- Taxi** Taxi
- S** Delivery zone
- I** Delivery informations
- Cafeteria** Cafeteria
- Restaurant** Restaurant
- Newsstand** Newsstand
- Theater** Theater
- Library** Library
- BCV** Bank
- M11** Subway
- TPM** Bus
- BCV** Bank
- ♿** Disabled access

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