

64 presentations from 19 countries

To finding co-authors, please refer to the proceedings, total no. includes "onsite" during opening session.

Ceremonial lecture & 25 oral presentations

Oral presentations (Vxx) 25 min incl. 5 min discussion, Ceremonial lecture (CL-x) 45 min incl. 10 min discussion

CL-T	The Key and Solution for Sustainable Development in Industry : Recycle Wastes Into Resources via Green Process	Dr. Chien-Yung Ma Chairman	Solar Applied Materials Technology Corp. Tainan 70955 Taiwan
V01	Nanostructured Ferritic Alloys for Advanced Nuclear Reactors	Prof. Dr. David T. Hoelzer Senior Research Scientist	Oak Ridge National Laboratory Oak Ridge, TN 37831 USA
V02	Methodology for Maturity Evaluation of Powder Bed Additive Manufacturing Based on MRL and NDE	Dr. Ori Yehekel Group Leader PM	Nuclear Research Centre Negev Be'er Sheva 84190 Israel
V03	Plant-derived isoprenes for technical applications	Dr. Christian Schulze Gronover Group leader	Fraunhofer-Institute for Molecular Biology & Applied Ecology -IME D-48143 Muenster Germany
V04	ODS Steels for Energy Technology	Prof. Dr. Anton Möslang Director, Institute for Applied Materials IAM-AWP	Karlsruhe Institute of Technology - KIT D-76344 Eggenstein-Leopoldshafen Germany
V05	Requirements of the Russian Industry for High-tech alloys and Perspectives for their Application in Additive Manufacturing	Dr.-Ing. Peter Wilhartitz Consultant	Dr. Wilhartitz Co. 129594 Moscow Russian Federation
V06	Hot Isostatic Pressing (HIP) - Latest Technology for Combined HIP / heat treatment of PM/AM Materials	Dipl.-Ing. Laurenz Ploechl Business Development Manager AMD	Quintus Technologies AB SE-72166 Västerås Sweden
V07	Nanotechnology adhesive bonding for carbon fiber reinforced plastics in aerospace structures - mission (im)possible ?	Dr.-Ing. Jens Holtmannspoetter Coordinator for Additive Manufacturing	German Armed Forces (BAAINBw/WIWeB) D-85435 Erding Germany
V08	The potential of mechano-chemical treatment for the recovery of resources from mineral residues	Dr. Carsten Gellermann Head of Division Secondary Raw Materials	Fraunhofer Institute for Silicate Research - ISC D-63755 Alzenau Germany
V09	Technical and Economic Evaluation of Hydrogen Storage Systems based on Nanostructured Light Metal Hydrides	Dr. Julian Jeppsen Materials Research Scientist	Helmholtz-Zentrum Geesthacht - HZG D-21502 Geesthacht, Germany Helmut-Schmidt-University - HSU University of the Federal Armed Forces at Hamburg, D-22043 Hamburg, Germany
V10	Additive Manufacturing of Large Metallic structures using blown powder processes	Dr. Erich Neubauer Managing Director	RHP-Technology GmbH A-2444 Seibersdorf Austria
V11	The Strategic Opportunities of Metal Powder for an Additive Manufacturing Age	Dr. Min Cheol Kang Executive Director	3D PRO - 3D Printing Research Organization 641-465 Changwon City Republic of Korea
V12	Progress in Bimodal Nanopowder Processing	Prof. Dr. Jai-Sung Lee National Academy of Engineering of Korea, Past President of KPMI	Hanyang University - ERICA Campus Ansan, 426-791 Korea
V13	Pure Copper processed by Electron Beam Melting (EBM) technology for industrial applications	Luis Portolés Griñan Senior Research Coordinator	AIDIMME Instituto Tecnológico Paterna (Valencia), 46980 Spain
V14	Mechanisms and conditions of chemical activity of the multiwall carbon nanotubes surface	Dr. Alexander Ponomarev Senior Researcher, Surface Technology	Russian Academy of Science Siberian Branch 634050 Tomsk Russian Federation
V15	Additive Manufacturing parts design - present and future in Airbus	Dr. Jens Telgkamp Head of Additive Manufacturing R&T	Airbus Operations GmbH D-21129 Hamburg Germany
V16	Metal hydrides for energy mega and micro systems	Dipl.-Ing. Ilia Gvozdkov Leading Engineer	HeatLab Ltd. 432071 Ulyanovsk Russian Federation
V17	Customizing powders for Additive Manufacturing	M. Sc. Daniel Edman Market Development Manager, Additive Manufacturing	Höganäs AB SE-26383 Höganäs Sweden
V18	PEM Fuel Cells with Low Noble Metal Loading	Dr. Ulrich Rost Project coordinator hydrogen energy systems	Westphalian Energy Institute D-45877 Gelsenkirchen Germany
V19	Green nanotechnology for nanoparticles synthesis, nanocoatings and nanocomposites	Prof. Dr. Witold Lojkowski Head of Laboratory of Nanostructures	Institute of High Pressure Physics PL-01-142 Warsaw Poland

V20	Nanomaterials for Effective Biochemical and Physical Sensing Technologies	Prof. Dr. Cheng-Hsin Chuang Director, Roll2Roll Imprinting Flexible OptoElectronics	Southern Taiwan University STUST 71005 Tainan City Taiwan
V21	Microcrystalline Diamond Films Fractality Exploring	Prof. Dr. Vojislav V. Mitić Director	Institute of Technical Sciences of SASA 11000 Belgrade Serbia
V22	Electronic properties of disordered 2D graphene	Dr. Nadejda Bobenko Researcher at ISPMS SB RAS	Tomsk State University 634050 Tomsk Russian Federation
V23	Hot Die Forming Aluminium - ultimate lightweight under highest forming freedom at substantial materials savings	Prof. Dr. Jürgen Hirsch Chief Technology Officer (CTO)	HoDforming GmbH D-40231 Duesseldorf Germany
V24	Cold Spraying for Additive Manufacturing and Repair	Prof. Dr. Thomas Klassen Dean, Head of HSU Materials Science Institute, Director HZG Materials Technology Div.	Helmut-Schmidt-University - HSU University of the Federal Armed Forces at Hamburg, D-22043 Hamburg, Germany Helmholtz-Zentrum Geesthacht - HZG D-21502 Geesthacht, Germany
V25	Making more with less & Concluding Remarks	Prof. Dr. Henning Zoz CEO & President	Zoz Group D-57482 Wenden Germany

34 poster presentations

All posters will be on display during the entire Symposium right in the exhibition area.

P01	Improved plant biomass for efficient biopolymer production Co Dr. Gundula Noll	Prof. Dr. Dirk Prüfer Head of Plant Biopolymers & Vice Dean	Fraunhofer-IME & Westp. Wilhelms-Uni. D-48143 Muenster Germany
P02	Improving the production process of Austenitic ODS Steels	Dr. Jan Hoffmann Materials Scientist	Karlsruhe Institute of Technology - KIT D-76131 Karlsruhe Germany
P03	Multifunctional nanosystems for the theranostic treatments of the mammal cancer	M.Sc. Mathias Pacaud PhD Student	Rhine-Waal University D-47533 Kleve Germany
P04	Electrospinning towards functional hybrid materials	M.Sc. Viraj Pratap Nirwan PhD Student	Rhine-Waal University D-47533 Kleve Germany
P05	High Energy Ballmilling and Technology of Metal Matrix Composites Powder	Prof. Dr. Xiaolan Cai Faculty of Metallurgical and Energy Engineering	Kunming University of Science & Technology 650093 Kunming, Yunnan P. R. China
P06	Spark Plasma Sintering - Introduction of Thermal Barrier Concept to the New Reproducible Way of Extrusion	Dr. Ladislav Čelko Deputy Head of Research Group - Senior Researcher	Brno University of Technology 64999 Brno Czech Republic
P07	Durability & phase stability of YSZ coat with high porosity content & multilayer Mullite-YSZ/YSZ coat after HT exposure	Ing. David Jech PhD student	Brno University of Technology 64999 Brno Czech Republic
P08	MechanoChemistry - solvent-free Chemical Reactions by Simoloyer® Technology	Dr. Birgit Funk Scientific Director	Zoz GmbH D-57482 Wenden Germany
P09	Mapping the tray of Electron Beam Melting (EBM) Ti-6Al-4V samples - Properties and Microstructure	Dr. Ori Yeheskel Group Leader PM	Nuclear Research Centre Negev Be'er Sheva 84190 Israel
P10	Metallurgy Europe: progress of the EUREKA cluster in the field of materials development and manufacturing	Prof. Dr. H.-J. Fecht, Director Institute Micro-Nanomaterials EUREKA Metallurgy Europe	University of Ulm D-89081 Ulm Germany
P11	Building Sanjiwany Supersonic Aircraft Mach 3/7 with PM2000/PM2017 skin	Rajesh Debie CEO	Night Queen Airlines NQA 1355 HT Almere-Haven The Netherlands
P12	Construction of the largest "Virgin of Guadalupe" statue in the world using High Performance Concrete.	Prof. Dr. Sebastián Díaz de la Torre, Director	CIITEC-IPN C.P. D.F. 02250 Santa Maria, Azcapotzalco México
P13	The potential of mechanical alloying to produce ultra-fine grained alloys for applications at elevated temperatures	Prof. Dr. Ulrich Krupp Head of Institute of Materials Design & Structural Integrity	Osnabrueck University of Applied Sciences D-49076 Osnabrueck Germany
P14	The Impact of Crushed Mineral Aggregate Water Absorption Value on the Required Properties of Road Pavement Concrete	Prof. Dr. Vojislav V. Mitić Director	Institute of Technical Sciences of SASA 11000 Belgrade Serbia
P15	A Meteorite's Amorphization and Characterization Study using High Energy Milling Technique	Capt. Orlando Gutiérrez Obeso Head of Research	Escuela Militar de Ingenieros EMI 11400 Mexico D.F. Mexico
P16	Ultra High Performance Concrete applied to Mathematical Modeling for Structural Elements	Capt. Orlando Gutiérrez Obeso Head of Research	Escuela Militar de Ingenieros EMI 11400 Mexico D.F. Mexico

P17	Market-driven technology development platform for Micro- & Nano Manufacturing companies	Dr. Xiang-Qian Zhou CEO	Shenzhen Sino-German Innovation Center Shenzhen 518057 P. R. China
P18	HoDforming - a new hot die forming technology for high strength alloys	Dr. Peter Amborn CEO	HoDforming GmbH D-40231 Duesseldorf Germany
P19	MechanoChemistry - Solvent-free Chemical Reactions by Simoloyer® Technology	Dr. Birgit Funk Scientific Director	Zoz GmbH / Zoz Technology Center ZTC D-57462 Olpe Germany
P20	High Kinetic Processing by Simoloyer® - efficiency and applications	Dipl.-Ing. Hans Ulrich Benz Member of Management	Zoz GmbH / Zoz Technology Center ZTC D-57462 Olpe Germany
P21	H2-tank B4S - boron based nanostructured reactive complex metal hydride, semi-commercial incl. TÜV-approval	M.Sc. Somnath Vijay Divanjee Hydrogen, B4S & H2Tank2Go®	Zoz GmbH / Zoz Technology Center ZTC D-57462 Olpe Germany
P22	Evaluation schemes for an improved control banding of nanomaterials	M.Sc. Christian Schumacher Head of unit Exposure Assessment	Institute for occupational health & safety (IFA) D-53757 Sankt Augustin Germany
P23	Nanorama - a virtual reality training for handling nanomaterial at the workplace	M.Sc. Christian Schumacher Head of unit Exposure Assessment	Institute for occupational health & safety (IFA) D-53757 Sankt Augustin Germany
P24	TDC's precision technologies.	Ms. Yuko Akabane CEO & President	TDC Corporation Tokyo 101-0052 Japan
P25	Thin nano porous alumina layers based on aluminum films deposited from ionic liquids	Dipl.-Chem. Monika Lelonek Managing Partner	SmartMembranes GmbH D-06120 Halle Germany
P26	Nanotun3D and Additive Manufacturing - Renaissance for Powder Technology, Challenge for HKP Advanced Composites	Alexander Zoz Assistant to the Board	Zoz GmbH / Zoz Technology Center ZTC D-57462 Olpe Germany
P27	Zentallium® - status and challenges of a cost-effective lightweight material	Mr. Koray Kuzkaya R&D Division	Zoz GmbH / Zoz Technology Center ZTC D-57462 Olpe Germany
P28	Revitalization of Plansee's PM2000 ODS-alloy and further developing ODS/NFA	Tom Zoz Coordinator R&D	Zoz GmbH / Zoz Technology Center ZTC D-57462 Olpe Germany
P29	Towards additive manufacturing for nanomaterials	Prof. Dr. Fabio Miani Associate Professor of Metallurgy	University of Udine I-33100 Udine Italy
P30	ZnO nanostructures - growth, properties and their application in devices	Prof. Mónica Tirado Director Nanomaterials Lab.	Universidad Nacional de Tucumán 4000 S. M. de Tucumán Argentina
P31	Age hardening behavior of ODS steels	Dr. Ravula Vijay Scientist 'F' and Team Leader Centre for Nanomaterials	Advanced Research Centre (ARCI) Hyderabad - 500005 India
P32	Recycling of valuable metals from steel mill dusts by mechano-chemical treatment	Dr. Gert Homm Head of Dept. Urban Mining	Fraunhofer Institute for Silicate Research - ISC D-63755 Alzenau Germany
P33	High-Performance and Durable Low Cost PEM Fuel Cell Electrodes based on Novel HGS Electrocatalysts	Dr. Ivan Radev Project manager Electrochemistry & Coating	ZBT GmbH - the fuel cell research center D-47057 Duisburg Germany
P34	Metal 3D printer development for excellent metal output	Sung Min Kang 3D Team Leader	Daegun Technology Co., Ltd. Gyeongsangnam-do 51389 Korea

All presentations:

Argentina, Austria, Czech Republic, China, Germany, India, Israel, Italy, Japan, Korea, Mexico, Netherlands, Poland, Russian Federation, Serbia, Spain, Sweden, Taiwan, USA