

[OZ-20: industrial addresses]



Dr. Andreas Topp, Continental board, resp. for the Taraxagum™ tire dandelion undertaking



Andrea Romiti, CEO, APR Srl, Italian key aerospace company

[OZ-20: ceremonial lecture]



Prof. Dr. Friedrich Wagner, former Director of the Max-Planck-Institute for Plasma Physics; President of the European Physical Society 2007-09. Ceremonial lecture on nuclear fusion.

[OZ-20: keynote presentations]



Pawel Zieba, Polish Academy of Sciences, Director, Inst. Metallurgy & Materials



Kevin Zhuang, CEO & President, Gemch Material Technology (Suzhou) Co.Ltd.



Dr. Gabriel Veith, Senior Research Scientist, Oak Ridge National Laboratory



Dr. David Fraboulet, Director Scientifique CEA-DRT, French Atomic Energy Commission



Prof. Dr. B. S. Murty, Director, Indian Institute of Technology Hyderabad



Prof. Dr. Talant Ryspaev, Vice-Rector, East Kazakhstan State Technical University



Dr. Michael Rieth, Head of Metallic Materials, Karlsruhe Inst. of Technology



Hendrik Lötter, Director E-Mobility, ZF Friedrichshafen AG



Prof. Dr. Gregor Luthe, CEO, Nanotay GmbH



Prof. Dr. Horst Hahn, Director, Nanotechnology INT, Karlsruhe Inst. of Technology



Dan Roth-Fagaraseanu, heading materials & process innovations, Rolls-Royce Deutschland Ltd.



Riccardo Parenti, Head of Concept Development, Auttomobili Lamborghini SpA



Prof. Dr. Ferdi Schüth, Director, Max-Planck-Institute for Carbon Research



Prof. Dr. Jan W. Coenen, PL Materials and Components, Forschungszentrum Juelich GmbH



Prof. Dr. Hubert Jäger, CEO, SPS Group

[addresses at OZ-Symposia]



LMU, Minister Johannes Remmet; LMW, Minister Harry Voigtsberger; BMW, Federal Minister Dr. Phillip Rösler (OZ-12); BMU, Federal Minister Peter Altmaier; EU/EC, Head-Nano S/T Christos Tokamanis; JSPM, President Prof. Dr. Hideshi Miura (OZ-13)



RUSNANO, CEO Anatoly Chubais; VDA, President Matthias Wissmann (OZ-14); German Parliament, Vice President Peter Hintze; Airbus Group, CTO Dr. Jean Botti (OZ-15); Prof. Marcel Van de Voorde (OZ-16)



SCHOTT AG, Chairman of the Board Dr. Frank Hehrich; China Mun. Min. MOHURD, VP Xiaofan Xie; CDU/CSU, Energy Commissioner Thomas Baretts; European Space Agency, President Prof. Dr. Johann-Dietrich Wörner; Helmholtz HZG, Director Prof. Dr. Wolfgang Kayser; European Academy of Sciences & Arts, President Prof. Dr. Felix Unger (OZ-16)



supported by the German Federal Ministry of Economic Affairs and Energy



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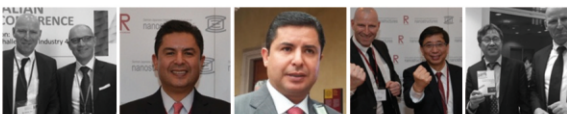
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Federal Minister Brigitte Zypries, EU-Commissioner Günther Oettinger, OttoBock Chairman Prof. Hans Georg Näder, Fraunhofer-President Prof. Dr. Reimund Neugebauer, UNO General Director a. D. Prof. Dr. Klaus Töpfer, Kazakhstan Ambassador H. E. Bolat Nussupov.



Lamborghini CFO Paolo Poma, Guadalupe President Enrique Flores Mendoza, Zacatecas Governor H. E. Alejandro Tello Cristerna, Solar Applied Materials Technology Corp. Chairman Dr. Chien-Yung Ma, Taiwan Representative H. E. Prof. Dr. Ihty-Wey Shieh (OZ-18)



# 11th German-International Symposium on Nanostructures

March 1-3, 2020  
Wenden/Olpe, Germany



Feb. 28 - March 2, 2021  
Korea, USA, Russia



March 6-8 2022  
Germany



March 5-7, 2021  
Korea, USA, Russia

**no parallel sessions**  
**no conference fee**  
**no exhibition cost**

but first class speakers and exhibitors from a small but excellent society.



[make More with Less]

# OZ-20 Exhibition

The OZ-Exhibition that will be held in conjunction with the Symposium offers an excellent opportunity for international suppliers to the nanostructure-related industry to make new contacts and to win business potential while contributing to a positive atmosphere for delegate and exhibitor integration. Further information, please find at [www.zoz.de/OZ](http://www.zoz.de/OZ)

# Submission of abstracts

Please find abstract submission guidelines and all other important information at [www.zoz.de/OZ](http://www.zoz.de/OZ).



# REthink nature



## nano structures

OZ-20 will provide a small but first-class technical program to cover aspects in the growing niche and at the same time super important field of nanostructured materials in applied science and technology for industry, life, energy and nature-saving - to make more with less.



On Sunday March 1 there will be a board meeting of the EUREKA-cluster Metallurgy Europe at ZTC/Olpe. A limited number of OZ-20 attendees may find access before joining the welcoming reception at Olpe City Hall nearby.

## orga nization

OZ-Symposium was held annually since 2008. Until OZ-18 alternating between Germany and Japan, the symposium in the future will be alternating between Germany and global technology-open sites throughout the world.

The first session-day is always the first Monday in the month of March. The Sunday before is for arrival, registration and get-together and insofar is listed in the schedule. The conference dinner / party [meet'n'greet] will always be on Monday evening. Since OZ-17 in Japan has been skipped, OZ-18 has been the 10th meeting, and OZ-20 will be the 11th, organizers from:



[OZ-20 post conference day, Wednesday March 4 @ ZTC]



The post conference day organized at the Zoz Technology Center at Olpe nearby the OZ-20 venue will represent another important step in the dissemination of PM2019, the novel dispersion strengthened Ti-6Al-4V-0.5dps powder/bulk where the nanostructured powder composites are "pre-consolidated" by HIP and HP and subsequently atomized by EIGA to be commercialized in SLM and EBM processing. Present but still preliminary results demonstrate 30% increase of strength and 15% in elongation at the same time!



PM2019 is resulting from the ongoing Nanotun3D EU-H2020 funded undertaking (grant agreement 685952), dispersoids (dps) are Y2O3, SiC and core-shell SiC@TiO2. This special interest program including some online processing demonstrations powder (HKP) and bulk (HIC) addresses not only the Nanotun3D industrial advisory board but also all OZ-18 attendees, pre-registry requested.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 685952.

post conference special interest program  
**Nanotun3D-day**  
[www.nanotun3d.eu](http://www.nanotun3d.eu)



[OZ-20 excursions ZTC & ZCS]

OZ-20 Technical Excursions are heading out Monday evening upfront the meet'n'greet party to ZTC at Olpe and on Tuesday after all sessions to ZCS at Siegen city center.



Kazakh Ambassador & Delegation at ZTC 30.05.2018