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az MTA Szegedi Akadémiai Bizottsága Kémiai Szakbizottság   
szakmai előadássorozatának következő alkalmára

Az MTA SZAB Kémiai Szakbizottság égisze alatt megrendezésre kerülő szakmai előadások sorozatának következő eseménye:

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Hely: MTA SZAB Díszterem

Előadó: Dr. Volker Zöllmer, Fraunhofer IFAM

Cím: Functional Composites for Product Customization

Szerzők: Dr. Volker Zöllmer1, Dr. Ingo Wirth1, Jonas Deitschun1, Prof. Dr. Imre Dékány2, Prof. Dr. Matthias Busse1

1*Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM, Wiener Strasse 12, 28359 Bremen, Germany.*2*Department of Physical Chemistry and Materials Sciences at the University of Szeged, HU-6720 Szeged, Dugonics tér 13*

Az előadás összefoglalása:

Within in the last 15 years, the Department of Physical Chemistry and Materials Sciences at the University of Szeged and the Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM in Bremen, Germany, have been working in a close cooperation on a large variety of functional materials. The development of tailor made (nano-)composite materials is of great interest for different industrial branches and applications, respectively. Customized composites have to fulfill different requirements: In addition to the addressed functionalities, manufacturing processes for a later product production and product functionalization have to be considered, too. Within this presentation, we will report on recent development of tailored alloy inks and pasts, photocatalysts and battery materials. Composite materials are be discussed in view of optical and electrical properties as well as their processability in physical vapour deposition, additive manufacturing and printed electronics processes. The potential for industrial applications will be explained on printed batteries for mobility applications, anti-viral composites for health-care and life sciences and printed electronics for the aviation sector.

Contact: Dr. Volker Zöllmer | volker.zoellmer@ifam.fraunhofer.de | +49 421 2246 114

Az előadáson valamennyi érdeklődőt szeretettel látunk.

Prof. Dr. Tóth Ágota

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