NanoCarbon Annual Conference 2018
Presentations - Short Pitches - Posters - Exhibits

February 27th and 28th 2018
University of Würzburg
Germany

--- TUESDAY, FEBRUARY 27th ---

09:00 Registration

10:00 Start of the conference
P. Grambow, Nanoinitiative Bayern GmbH, Germany
Opening remarks and short introduction of the Network NanoCarbon

SESSION 1: INDUSTRIALISATION AND COMMERCIALISATION

Chair: P. Grambow, Nanoinitiative Bayern GmbH, Germany

10:10 I. Kolaric, Fraunhofer Institute for Manufacturing Engineering and Automation IPA, Germany
The role of materials in an increasingly dematerialised economy

10:30 M. Lee, GyoRin Inc, Korea
Commercialisation scheme for nanomaterial technology

10:50 G. Eberhard, DistriConsult GmbH, Germany
The role of chemical distributors in new business development for specialty additives

11:10 S. Bohm, Talga Technologies Limited, UK
Commercial development of graphene based coatings and composites

11:30 Poster session / lunch break

SESSION 2: APPLICATIONS FOR AUTOMOTIVE

Chair: P. Boulanger, NAWA Technologies, France

12:30 A. Nasiri, Nanocyl S.A., Belgium
Synergy of carbon nanotubes with silica and / or carbon black in rubber formulation, specific insight on tire application potential

12:50 C. Glanz, Fraunhofer Institute for Manufacturing Engineering and Automation IPA, Germany
Printed functional layers for the use in connected car applications

13:10 J. Hofmann, Conti Temic microelectronic GmbH, Germany
Innovative materials vs. automotive requirements - Up's and down's from application point of view

13:30 Poster session / coffee break

SESSION 3: ENERGY STORAGE

Chair: S. Bohm, Talga Technologies Limited, UK

14:15 E. Figgemeier, Helmholtz Institute Münster, Germany
Carbon nanotubes in batteries - benefits, hurdles and applications

14:35 F. Nedvidek, Business creation adjuvant, Canada
Is there the right battery for every application?

14:55 P. Boulanger, NAWA Technologies, France
Open innovation: Manufacturing and functionalisation of VACNTs as electrodes for supercaps

15:15 Poster session / coffee break

SESSION 4: SHORT PITCHES

Chair: S. Bertsch, Nanoinitiative Bayern GmbH, Germany

16:00 W. Maser, Instituto de Carboquímica (ICB-CSIC), Spain
M. Morais, Fraunhofer Institute for Chemical Technology ICT, Germany
K. Kunz, Leibniz Institute of Polymer Research Dresden e.V. (IPF), Germany
C. Fink, PerkinElmer, Germany
T. Schubert, Institute of Chemical Process Engineering and Plant Design, TH Köln, Germany

17:00 End of the first day

EVENING EVENT - CONFERENCE DINNER

18:45 Meeting point Am Alten Kranen
Kranenkai, Schiffstouristik Würzburg (red and yellow ticketbooth)

19:00 Boat trip with conference dinner

22:00 Return to Würzburg
Wednesday, February 28th

08:30 Poster session / coffee

Session 5: Process Technologies and Upscaling

Chair: C. Hübner, Fraunhofer Institute for Chemical Technology ICT, Germany

09:00 U. Köpke, EXAKT Advanced Technologies GmbH, Germany
Synergetic effects during material development with processing machines

09:20 V. Lison, Nanocyl S.A., Belgium
Optimisation of production of polypropylene / MWCNT composites

09:40 L. Boonen, Fraunhofer Institute for Manufacturing Engineering and Automation IPA, Germany
Digitalisation in electrode manufacturing – towards more efficiency in joined research and small lot size production

10:00 Poster session / coffee break

Session 6: Short Pitches

Chair: S. Roth, Sineurop Nanotech GmbH, Germany

10:45 F. Dorn, SURAGUS GmbH, Germany
G. v. Kerckhove, OCSI/A Europe, Luxembourg
J. Blanco Villalba, Fraunhofer Institute for Chemical Technology ICT, Germany
D. Nemec, Fraunhofer Institute for Manufacturing Engineering and Automation IPA, Germany

Slot for a short pitch available - apply now!

11:45 Poster session / lunch break

Session 7: Measurement and Safety

Chair: H. Meyer, Nanoinitiative Bayern GmbH, Germany

12:45 J. Heindl, JEOL (Germany) GmbH, Germany
Characterisation of carbon materials in the electron microscope

13:05 D. Broßell, Bundesanstalt für Arbeitsschutz und Arbeitsmedizin BAuA, Germany
A new risk grouping concept for high aspect ratio materials - the shaker dustiness test

13:25 Poster session / coffee break

Session 8: Graphene Based Applications

Chair: J. Helbig, Technische Hochschule Nürnberg

14:00 D. Carroll, Wake Forest University, USA
Ulutrathin, washable, and large-area graphene papers for personal thermal management

14:20 T. Schubert, IoT Tec-Ionic Liquids Technologies GmbH, Germany
GRAFAT – Graphene for functionalisation of advanced textiles – flame retardancy

14:40 F. Torrisi, University of Cambridge, UK
Graphene and two-dimensional material inks enabling printed and wearable electronics

15:00 B. Münzing, The Sixth Element, China
Industrial usage of graphene in coatings: enhancing corrosion protection

15:20 Poster award

15:30 Short coffee break

Status Meeting

15:50 Regular meeting of the Network NanoCarbon
Open to the public

17:00 End of the meeting / end of the conference

Profile of the Conference

For the 4th time the Network NanoCarbon invites to the Annual Conference in Würzburg, Germany. The conference offers an open forum to the interested community for exchanging results and ideas. It is the most important communication platform for innovative and commercial activities in the field of carbon nanomaterials within Germany and beyond. This year, speakers from 10 countries will present current applications and processing technologies for carbon nanomaterials. The event particularly addresses industry delegates seeking new trends and partners for cooperations. In the open Network NanoCarbon national and international partners work closely together to develop innovative nanocarbon products for the market.

Conference Venue

University of Würzburg
Audimax
Sanderring 2
D-97070 Würzburg

Directions: https://wueaddress.uni-wuerzburg.de/building/1121

Conference Fees - Early Bird Prices

Two-day conference with evening event on February 27th:
Conference dinner with boat trip on the river Main.

Industry delegates €380
Members of Nanonet Bayern e. V. €220
Institutes / authorities €170
Partners of the Network NanoCarbon €170
Students €90
Students without conference dinner €50

Notes: Prices are subject to VAT. The fees include conference documents, coffee breaks, lunch breaks, refreshments and the evening event. For registrations after 20.01.2018 a surcharge of 20% will be due. In case of withdrawal from 13.02.2018 cancellation fees of 50% of the respective prices are due. In case of withdrawal from 20.02.2018 full conference fees are due. Organiser: Nanoinitiative Bayern GmbH.

Registration and Further Information

Registration is open until February 6th 2018. Please find all further information as well as the online registration form at: carbon2018.nano.bayern

Posters and Accompanying Exhibition

In addition to the lecture program there will be a poster award. Posters can be submitted until January 19th 2018. Please send your application to info@nanocarbon.net.

Manufacturers of materials and equipment have the opportunity to present their demonstrators and products in an accompanying exhibition. Please contact us for further information.

Conception and Organisation

Nanoinitiative Bayern GmbH / Cluster Nanotechnology

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