

The 11th NanoCarbon Annual Conference

Presentations — Short Pitches
Posters — Exhibits

MAY 5 - 6, 2026

Felix-Fechenbach-Haus
Würzburg, Germany

PROGRAM

Tuesday, May 5

09:00 Registration / check-in

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

10:10 T. Gotthardt, Vice Minister in the Bavarian Ministry of Economic Affairs, Regional Development and Energy
Video message

10:15 **Keynote presentation:**
K. Arakawa, Zeon Corporation, Japan
My 43-year journey since discovery of floating catalysts on CNT growth

SESSION 1: SAFETY AND REGULATION

10:40 M. Ata, Zeon Corporation, Japan
Bridging knowledge gap between innovators and regulators is necessary for regulation that foster nano innovation

11:00 I. Kolarić, Fraunhofer Institute for Manufacturing Engineering and Automation IPA, Germany
From Data to Safety: AI Applications in Nanomaterial Risk Prevention

11:20 G. Van Kerckhove, OCSiAl Europe Sarl, Luxemburg
What does SSbD mean for a nano-manufacturer (like OCSiAl)?

11:30 **Networking / coffee break**

SESSION 2: (BIO) MEDICAL APPLICATIONS

12:00 M. Heise, FILK Freiberg Institute gGmbH, Germany
Conductive polymer coatings as platform for neonatal jaundice therapy

12:20 T. Bruckdorfer, Iris Biotech GmbH, Germany
Surface Linkerology® of Carbon and Various other Nanoparticles for Subsequent (Bio)Conjugation

12:40 S. Herbertz, Fraunhofer-Institut für Mikroelektronische Schaltungen und Systeme IMS, Germany
Near-infrared optical SWCNT nanosensors for real-time bioanalytics and assay development

13:00 **Networking / lunch break**

SESSION 3: NANOCOMPOSITES I

14:00 B. Krause, Leibniz-Institut für Polymerforschung Dresden e.V., Germany
Functional properties of electrospun polymer mats coated with SWCNTs by a simultaneous electrospinning process

14:20 L. Häublein-González, Thuringian Institute for Textile and Plastics Research (TITK), Germany
Impact of Processing Conditions on the Electrical Performance of Multi-Walled Carbon Nanotube-Modified Cast Polyamide 6 Nanocomposites: Bridging Lab Innovation to Industrial Reality

14:40 J. Hildebrandt, A. Nogowski, European Centre for Dispersion Technologies (EZD), Germany
Powder Bed Fusion: Incorporating functionalities into additively manufactured components using carbon nanotube inks

15:00 F. Berthold / J. Hermannsdörfer, SKZ – Das Kunststoff-Zentrum and Nanoinitiative Bayern GmbH, Germany
MWCNT-Enhanced Materials for Improved Thermal Conductivity in Shallow Geothermal Applications

15:30 **Poster session / exhibition**

17:00 **End of the first conference day**

EVENING EVENT – CONFERENCE DINNER

18:45 Meeting point: Kranenkai 2, 97070 Würzburg

19:00 Boat tour with conference dinner (~ 3 h)

Wednesday, May 6

08:30 Coffee

08:50 Poster session / exhibition

SESSION 4: SUSTAINABILITY

09:50 J. Sousa, International Iberian Nanotechnology Laboratory (INL), Portugal
Breaking down the unbreakable: photo-Fenton vs photo-chloro-Fenton degradation of carbon nanotubes

10:10 M. Sekiya, Zeon Corporation, Japan
From Lab to Society: Carbon Nanotubes and International Standardization

10:30 J. Restivo, T. Graíña, J. Sousa, International Iberian Nanotechnology Laboratory (INL), Portugal
Functionalized Activated Carbon for Efficient Chlorobenzene Adsorption in Acidic Solutions

10:50 P. Boulanger, Groupe Bordet, France
Transforming wood into technical bio-carbons for applications in water, energy and more

11:10 A. Rul, Nanocyl - A Birla Carbon Brand, Belgium
Share the Future: A collaborative approach to deliver customer-facing solutions for a sustainable and circular world

11:20 Networking / coffee break

SESSION 5: NANOCOMPOSITES II

11:40 K. Nishiura, H. Uchida, Zeon corporation, Japan
SWCNT-Based Thermoelectric Generators for IoT Sensing Systems and Related Applications

12:00 M. Leininger, droptical GmbH, Germany
Influence of CNTs on Dispensing Behavior in Jet Dispensing

12:20 M. Gültner, Leibniz-Institut für Polymerforschung Dresden e.V., Germany
New Project: Conductive NanoComposite Filaments for Next-Generation Textiles

12:30 Networking / lunch break

SESSION 6: FUTURE APPLICATIONS

13:30 C. O'Brien, IDTechEx, UK
Future Applications of Nanocarbon Materials

13:50 Open discussion with the audience

14:20 Poster award / closing remarks

14:30 Get together / open end

NETWORK MEETING

14:40 Status meeting of the Network NanoCarbon



CROSSCLUSTER

15:30 Crosscluster project "Nanotronik" of Cluster Mechatronics & Automation and Cluster Nanotechnology



15:50 K. Zoz, Zoz GmbH, Germany
Zentallium

16:30 End of the event

Posters and exhibition

In addition to the lecture program, there will be a poster award as well as an accompanying exhibition. Manufacturers of materials and equipment have the opportunity to present their demonstrators and products in an **accompanying exhibition**. Please find further information at carbon2026.nano.bayern.

Profile of the conference

For the 11th time the Network NanoCarbon will organise the Annual Conference. During the two-day event, experts from industry and research come together to exchange their results and ideas using this open communication and networking platform. Join the talk about innovative and commercial activities in the field of carbon nanomaterials (CNTs, graphenes, carbon black). The Annual Conference also addresses industry delegates seeking new trends and partners for cooperations and projects. **Join us and meet the nanocarbon specialists.**



Conference venue

Felix-Fechenbach-Haus
Gutenbergstr. 11
97080 Würzburg / Germany

Conference fees — early bird prices¹

Two-day conference with conference dinner and boat tour on May 5, 2026:

Industry delegates	575€
Network members ² / institutes / authorities	320€
Members of the Network NanoCarbon	275€
Students	120€
Students (without conference dinner)	75€

(Notes: ¹ Prices are subject to VAT. The fees include conference documents, coffee breaks, lunch breaks, refreshments and the conference dinner. All rates are early bird prices. For registrations after April 10, 2026, a surcharge of 20% will be due. In case of withdrawal after April 10, 2026, cancellation fees of 50% of the respective prices are due. In case of withdrawal after April 28, 2026, cancellation fees of 100% of the respective prices are due. Organiser: Nanoinitiative Bayern GmbH ² Networks NanoSilber, nanoInk, NanoAnalytik, Nano4eMob, NanoGeoTherm and Nanonetz Bayern e.V.)

Registration

To participate in the event, please **register online until April 28, 2026**. Further information as well as the registration form can be found at: carbon2026.nano.bayern

Organisation / contact

Nanoinitiative Bayern GmbH / Network NanoCarbon
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Program information as at April 30, 2026