

## Networks of the Cluster

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**Nanonetz Bayern e.V.**  
The Association is an open platform for actors in nanotechnology.
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**NanoCarbon**  
An open network for the development of marketable nanocarbon products .
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**nanInk**  
An open network and point of contact dedicated to special inks and industrial inkjet printing systems.
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**NanoAnalytics and nanomeasurement technology in production**  
An open network and point of contact for problems in the field of measurement and analysis of nanostructured systems.
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**NanoSilver**  
An open network for the responsible development of nanosilver products in production, processing, application and disposal.

The Nanoinitiative Bayern GmbH is responsible for the cluster management and the networks.

## The Cluster as a network manager

We establish and manage networks that focus on supporting technology transfer and promoting collaborative activities across the various nanotechnology applications, including the

- Formulation of special inks, colors and coatings
- Implementation of measurement and analysis tools for the characterisation of nanostructured systems
- Further development of nanomaterials (CNTs, Graphene, Silver, ...) for the use in
- light weight constructions, energy conversion and storage materials, medical equipment, printed electronics, and many others...

Our networks bundle stakeholders and competences from universities, colleges, research institutions, users in the industry and politics, giving you the best opportunity to enter the innovative field of nanotechnology. Contact us for more information.

Do you want to build your own innovation network, but you do not have the resources for the complex management? Are you looking for partners for your research and development ideas / plans? Are you searching for solutions for your nanotechnology applications?

**Contact us for more information and find out about the different ways of participating in our networks.**

## The Cluster Nanotechnology and prometho in Hall 1, Booth 518



The **Cluster Nanotechnology** is a strong network of companies, universities and research institutions guiding you through the development of innovative products and process technologies. Our major objective is the development of competence networks in the field of nanotechnology and the support of efficient transfer of R&D results into new products. Join us and learn more about the potential of nanotechnology.



**prometho** is the place where product developers will find customized pigment preparations. Meet our experts in the **Developers' Corner**, join the discussions from **developer to developer** and learn more about Varionyl®, tailor-made pigment preparations and the development of low-viscosity colour systems for water-based inks.

### Become a Partner in Hall 1, Booth 518

**Nanoinitiative Bayern GmbH**  
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**Partners of the Cluster  
Nanotechnology at the ECS**  
19.03.-21.03.2019

[www.nanoinitiative-bayern.de](http://www.nanoinitiative-bayern.de)



Meet our partners at the European Coatings Show and learn more about the potential of nanotechnology.

Start your tour at our booth 518 in hall 1.



**Prometho**  
Hall 1, Booth 518  
www.prometho.com

- Varionyl®, tailor-made pigment preparations
- Development of low-viscosity colour systems for water-based inks
- "We make nature printable", inks from renewable resources



**Nabaltec**  
Hall 4, Booth 319  
www.nabaltec.de

- Coating raw materials based on aluminum hydroxide and oxide
- Product segments: "Functional Fillers" and "Specialty Alumina"
- Halogen-free flame retardant fillers and functional additives



**Innowep**  
Hall 4, Booth 319  
www.innowep.com

- Testing and measuring equipment
- UST-Universal surface-tester
- ABREX-soft-chemo-mechanical hand abrasion tester



**RAS AG**  
Hall 4A, Booth 406i  
www.ras-ag.com

- Development services and innovative cross-section materials
- agpure® silver nanoparticles: antimicrobial additive
- ECOS® silver nanowires: transparent conductive additive



**LUM**  
Hall 5, Booth 134  
www.lum-gmbh.com

- Particle characterisation
- Analysis of suspensions and emulsions incl. stability assessment
- Determination of joint strength and layer strength



**Colloid Metrix**  
Hall 5, Booth 234  
www.colloid-metrix.de

- Particle analyzer and nanoparticle measurement tools
- Particle charge titration, zeta potential and size distribution
- In-Line characterisation instruments



**THINKY Corporation**  
Hall 5, Booth 318  
www.thinky.co.jp

- Laboratory and production equipment
- planetary centrifugal deaeration mixer for various materials: adhesive, silicone and epoxy resin, carbon nano-tube, ...



**Krüss**  
Hall 5, Booth 327  
www.kruss-scientific.com

- Improve your coating process by controlling wettability, surfactant content, and foam behavior
- Live demonstration of the instruments in hall 5, booth 327



**Innovent**  
Hall 5, Booth 330  
www.innovent-jena.de

- Research and development on the fields: Adhesive bonding, coating and potting-formulation, optimization, surface pretreatment, feasibility studies, stress tests,



**Microtrac**  
Hall 5, Booth 438  
www.microtrac.com

- Testing and measuring equipment: particle size measurements, Zeta potential analysis, 3D dynamic image analysis (on-line and off-line), molecular weight, surface analysis, dust characterisation...



**X-Rite Pantone**  
Hall 5, Booth 448  
www.ery50.com

- In-line colour measurement
- Complete end-to-end color management solutions
- Consistent colors along your design-to-production process



**Exakt Advanced Technologies**  
Hall 6, Booth 314  
www.exakt.de

- Selective energy input with precision Three Roll Mills
- Defined material properties by defined processing
- Collecting process parameters for specific processing



**NETZSCH Feinmahltechnik**  
Hall 6, Booth 318  
www.netzsch-grinding.com

- From laboratory to production sized machines and complete plants
- Mixers, kneaders or dispersers for low or high-viscosity products
- Wet grinding systems even down to the nanometer range



**OCSiAl Europe Sàrl**  
Hall 7A, Booth 326  
www.ocsial.com

- Single wall carbon nanotubes
- Superior conductivity, high temperature resistance
- Ultra-low weight and high flexibility



**Fraunhofer ISC**  
Hall 9, Booth 244  
www.isc.fraunhofer.de

- Biobased and biodegradable coatings (bioORMOCER®)
- Anti-soiling coatings, textile coatings, barrier coatings
- Customized synthesis, modification, upscaling of particle systems



**GBneuhaus**  
Hall 9, Booth 333  
www.gbneuhaus.de

- Innovative solutions for functional and decorative coating
- Sol-gel coating solutions
- Nanotechnology for excellent surfaces