

Network partners

The NanoAnalytics and nanomeasurement technology in production network (NAMiP) was founded in September 2017. It is a consortium of SMEs and research institutes. The network is managed by Nanoinitiative Bayern GmbH. We are grateful for the support from the German Federal Ministry of Economic Affairs and Energy (BMWi) in the context of the Central Innovation Programme for SMEs (ZIM).

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TECHNISCHE HOCHSCHULE NÜRNBERG
GEORG SIMON OHM

SIOS **iii** **x-rite** **PANTONE** Cluster
Messtechnik GmbH Nanotechnology

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Core competencies of the network

- Measurement of layer thickness and refractive index
- Characterisation of dispersions
- Analysis of the chemical composition
- Determination of the surface properties and topography
- Spectroscopic characterisation (colorimetry)
- Active vibration isolation
- Construction of custom-made machinery and automation of production processes

Become a partner in our network!

**Network NanoAnalytics (NAMiP) /
Nanoinitiative Bayern GmbH**

Josef-Martin-Weg 52
97074 Würzburg / Germany
Phone: +49 931 31 - 89371
Fax: +49 931 31 - 80569
E-Mail: info@nanoanalytik.info
Internet: www.nanoanalytics.info



NanoAnalytics and nanomeasurement technology in production





Combination of measuring methods



Production and automated manufacturing



In-line spectroscopy

Objectives of the network

The network's long-term goal is to establish a point of contact that offers solutions in the field of measuring and analysing nanostructured systems, and which deals specifically with the issues involved in producing such applications.

- Close cooperation between the partners involved
- Developing better and faster measuring strategies and methods, as well as analysis procedures for nanomaterials
- Providing modular metrological solutions
- Integrating of measuring technology for on-line and in-line process analysis
- Establishing a point of contact for solving metrological problems in the production of nanostructured systems
- Involvement of additional partners
- Joint public relations activities

Answers to your measuring problems

The investigation and analysis of nanometer-scale structures is having a major impact on the development of innovative materials and products. There is a large number of providers of varied measurement methods for solving these metrological questions, all of which have their individual advantages. Comparing and classifying the various measurement methods, as well as providing custom solutions for production-oriented problems does represent a challenge.

Make use of our network's bundled competences and tell us about your measuring problem. The network partners possess a variety of different production-relevant, analytical and metrological expertise, and they are already established in a number of different industries.

Opportunities for cooperation range from rapidly arranging contact with a measuring technology provider right through to involvement in a joint development project.

Our strengths

Our great strengths are interdisciplinarity, a high level of professional competence, and cross-industry expertise. Our network therefore includes chemists, physicists and engineers, as well as specialists and executives from the industry. The network is a flexible team in which your enquiries and measurement problems will be channelled, analysed and processed in a solution-oriented way.

Your benefits

- One point of contact for solving a variety of different measuring problems
- The bundled expertise of the network partners
- Numerous options for cooperation
- Rapid and flexible implementation