

The Niederrhein University of Applied Sciences (Hochschule Niederrhein) has about 14.000 students, studying in 80 degree programmes in 10 departments located at the university campuses in Krefeld and Mönchengladbach, respectively. It is one of the largest and strongest performing Universities of Applied Sciences in Germany with a tradition going back about 150 years. Applied research and project-oriented studies are at the heart of our programmes. By promoting interdisciplinary projects we lay a strong foundation for both, research and teaching, and provide our students with knowledge and experience needed for a variety of jobs in industry. The Hochschule Niederrhein is closely collaborating with companies and businesses, local authorities as well as other institutions in the region.

The HIT - Hochschule Niederrhein Institute for Surface Technology - is conducting multi-disciplinary research and development in the areas of chemistry, materials, and processes focusing on paints, coatings, and adhesives. By combining high-throughput automation technologies with advanced machine learning algorithms, researchers from HIT and its partners transfer new ideas into sustainable products ready to be launched in the market within a short period of time.

To strengthen our multi-disciplinary team, HIT offers a position until March 31st 2021 as

**Scientific Staff Member – CHEMIST/ry – Chemical Engineering
(EG 13 TV-L)**

Successful applicants have a minimum of five years of hands-on laboratory experience in the areas of paints, coatings, adhesives and polymers and are experienced in analytical and characterisation techniques for these materials. The applicant is familiar with experimental methods, such as Design of Experiment (DoE) and the corresponding mathematical evaluation of statistical data.

The applicant is interested in developing new materials in the laboratory and supports transferring laboratory procedures (workflows) to our automated system. There its composition and performance will be improved and optimised for different applications. The applicant is generally informed about automation and digitalisation (Industry 4.0, Chemistry 4.0) and has solid knowledge and experience with computers including MS Office and scientific graphing and data analysis software.

This position requires familiarity with joint R&D projects between academia and industry, and flexibility to perform regular visits to HIT's current and future partners in the trilateral region of Germany, Belgium and The Netherlands discussing their ideas and support them in their research and development. In particular, successful applicants will develop methodologies enabling the smooth transfer from laboratory chemistry onto the automated system. Part of her/his tasks is to publish research results in scientific journals and to support the HIT team with proposal writing in order to secure future funding.

Successful applicants hold a university degree (Master or preferably PhD) with a focus in chemistry, chemical engineering, or material sciences. He/she offers extensive interdisciplinary and academic competences ranging from guiding Bachelor and Master level students and technicians to teaching courses to students and partners from industry. They

document their research competence through a number of recognized national/international publications as well as proposals supporting their R&D efforts.

Applicants are committed team players and will contribute in many ways to HIT and its partners' vision of intelligent high-throughput automation for future material research. They are open to new ideas, interested in interactive and dynamic collaborations and eager to transfer new material solutions into sustainable, marketable products.

The Hochschule Niederrhein is an Equal Opportunity Employer which promotes women and therefore encourages women particularly, to apply for this position.

In the event of equal qualification, applications submitted by suitably qualified disabled and equivalent persons will be given preferential consideration in accordance with Article 2 Section 3 of the German Social Code § 2 Abs. 3 SGB IX. (Act on Equal Opportunities of Disabled People). Appointment to a part-time position under private law is in principle possible.

If you are interested in this position, the deadline for applications is **May 8, 2019**. By citing the reference number_11-0419-12 please only use our [online application portal](#). Please address your application directly to: **den Präsidenten der Hochschule Niederrhein, z. Hd. Frau Schneider, Reinarzstraße 49, 47805 Krefeld.**

Please note, that only applications submitted via our application portal will be considered!

