



Paderborn University is a high-performance and internationally oriented university with approximately 20,000 students. Within interdisciplinary teams, we design forward-looking research, innovative teaching and the active transfer of knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our more than 2,300 employees in research, teaching, technology and administration a lively working environment, a lean management structure and diverse opportunities.

Join us to invent the future!

The Department of Chemistry at the Faculty of Science - **Chair of Technical and Macromolecular Chemistry** – offers a position for a

PostDoc (m/f/d)

(pay scale 13 TV-L)

at the earliest date possible.

The position is initially limited until June, 30th 2021 with the amount of 100% of regular work time. It is associated to the working package "WP3-Combined in-situ NAP-XPS and FT-IRRAS analytic of water and gases in nanopores" within the B3 Project of the collaboration research Project "Pulsed high power plasmas for the synthesis of nanostructured functional materials" (SFB TR87). The position is limited to the duration of the qualification procedure, according to the federal state Science Employment Law (WissZeitVG), in order to improve the following qualification: project management, experiences with the support of students, experiences with project work and autonomous third party funds applications.

The scientific focus of this position is related to the application and development of spectroscopy-based methods for the characterization of thin porous films, with strong focus in the fields of plasma-enhanced chemical vapor deposition, near-ambient pressure photoelectron spectroscopy, infrared spectroscopy and ellipsometry. An active involvement of the successful applicant in research and teaching is expected. The responsibilities include the active supervision and execution of experiments, co-supervision of students, submission of grant proposals and publication of scientific articles.

We expect:

- very good PhD degree in chemistry, physics, or materials science
- very good publication record
- research experience in the field of photoelectron spectroscopy, ellipsometry and/or infrared spectroscopy

In addition to personal commitment and the ability for scientific supervision of students and Ph.D. students the ability to connect and collaborate with other national and international research groups is expected.

We offer:

Outstanding opportunities for scientific and personal development, as well as excellent laboratories equipped with advanced surface technologies and most modern electrochemical, microscopic and spectroscopic set-ups as well as advanced surface technologies.

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to the North Rhine-Westphalian Equal Opportunities Act (LGG), unless there are preponderant reasons to give preference to another applicant. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

Inquiries concerning the professional requirements of the position should be addressed to Dr. Teresa de los Arcos (arcos@tc.upb.de). Please send your application with the usual documents under **reference number 3820** by **15.06.2019** preferably as a single pdf file via email.

Dr. Teresa de los Arcos
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