Job posting

Title

SCIENTIST (F/M/D)
EXPERIENCED IN PLASMA DIAGNOSTICS

Institution

RESEARCH AND DEVELOPMENT
FROM IDEA TO PROTOTYPE

Our institute ranks among the largest and most modern institutions in the field of low-temperature plasmas worldwide. In an international working environment, we conduct socially relevant research within our core areas Plasma Chemistry and Process Technology, Renewable Energy & Bioeconomy as well as Health & Hygiene. Currently the INP employs about 200 scientists and staff at three locations (Greifswald, Rostock and Karlsburg).

For further information, please visit our website at www.leibniz-inp.de.

Position

The application-oriented research activities in the Department of Plasma Diagnostics are centered on the development and application of advanced laser-based diagnostics for the characterisation of plasma-chemical processes and plasma-surface interactions. For the evaluation and development of a plasma process aimed to restore reflective metallic surfaces at low pressures, we are looking for the following expert to join us in an ongoing collaboration with an industrial partner for the location in Greifswald from the beginning of March 2024:

SCIENTIST (F/M/D)
Experienced in Plasma Diagnostics

* Fixed term contract for 13 months in the 1st phase (2nd phase lasting 12 more months in preparation)
* Full-time appointment (40 hours/week)
* Target salary according to TV-L in wage group E 13 (Gross salary range depending on professional experience, see Renumeration table 2023)
Responsibilities
- to be involved in the development and the establishment of a plasma test setup allowing in situ VUV reflectometry on metallic surfaces which are interacting with a hydrogen plasma at low pressure;
- to be responsible for the operation of the plasma test setup and the VUV reflectometry setup;
- to apply diagnostics for the characterization of the plasma, such as a retarded field energy analyzer, a Langmuir probe, a heat flux sensor and an OES spectrometer;
- to support investigations to elucidate the effects of the hydrogen plasma on metallic surfaces in situ using a quartz crystal microbalance, a XPS system and an ellipsometer;
- to characterise different plasma sources using the setup with the aim to achieve the best reduction efficiency of a metallic surface.

Furthermore, you will:
- work together with scientists from the institute and the project team of the client;
- communicate regularly project results to the project team at weakly meetings.

Requirements
- Experimental physicist or chemist or equivalent degree preferably with a completed PhD degree
- Very good knowledge and experience in the field of plasma spectroscopy
- Experience with electrical and optical based diagnostics
- Highly motivated and with the drive to advance scientific research in the field of plasma diagnostics and plasma chemistry
- High degree of commitment, incentive, self-reliant working, ability to handle stress, team spirit, flexibility, reliability and problem-solving competence
- Confident manner and communicative personality
- Good English skills (spoken and written)
- Experience in writing scientific reports and publications

Application procedure (deadline etc.)
OUR OFFER FOR YOU:
- Compensation according to collective salary agreement of Länder (TV-L) including employer contributions to medical and dental insurance, maternity leave and retirement benefits
- Creative environment with technical facilities at the highest level
- Experienced and professional support
- Extensive qualification measures for your personal development
- Networking opportunities at national and international conferences and in cooperation with national and international industry partners
- Possibility to look outside the box, e.g., involvement in other application-oriented projects
- Internal institutional laboratory tours ("What do the colleagues
- Flexible working hours and possibility of home-office days
- In-house German course free of charge
- A working environment certified as family-friendly
- 30 vacation days per year (plus: December 24 and 31)
- Staff kitchen

Contact

HOW TO APPLY
Please apply with the common documents (cover letter, CV, copies of academic degrees and letters of reference) giving the keyword „0534 Scientist Plasma Diagnostics“- preferably via our online application form - until 17th November 2023.

Your performance and personality count, regardless of your age, origin, gender, sexual identity, disability or ideology. We look forward to receiving your applications!

The INP wants equal participation of men and women, especially in science. There are many good reasons why it is worthwhile to promote specifically the potential of women. Qualified female applicants are explicitly encouraged to apply. Disabled applicants will be given preferential consideration if they are equally qualified.

CONTACT:
For further information, please do not hesitate to contact Dr. Norbert Lang (tel. +49 3834 554452; e-mail: lang@inp-greifswald.de).

Please send your applications to*
Leibniz-Institute for Plasma Science and Technology (INP)
Mrs Gabriele Lembke
Human Resources Department
Felix-Hausdorff-Str. 2
17489 Greifswald
E-Mail: bewu@inp-greifswald.de

* Unfortunately, we cannot refund any expenses associated with the application or job interview due to budgetary regulations.