
69. Job Advertisement: - One vacant position for a full-time Senior Scientist (m/w/d) at the Chair of Applied Mathematics at the Department Mathematics and Information Technology - Reference number: 2411WPA

70. Job Advertisement: - One vacant position for a part-time Senior Scientist (30 h) m/f/d at the Chair of Physical Chemistry, Department General, Analytical and Physical Chemistry - Reference number: 2411WPI

71. Job Advertisement: - A research position in accordance with § 99 (5) of the 2002 Universitätsgesetz (according to § 27 of the collective agreement for the University employees - Uni-KV) at the Chair of Materials Science and Testing of Polymers of the Department Polymer Engineering and Science - Reference number: 2411WPJ

69. Job Advertisement: -One vacant position for a full-time Senior Scientist (m/w/d) at the Chair of Applied Mathematics at the Department Mathematics and Information Technology - Reference number: 2411WPA

The Montanuniversität Leoben is a modern teaching and research institution and offers excellent conditions for careers in scientific and non-scientific fields.

One vacant position for a full-time Senior Scientist (m/w/d) at the Chair of Applied Mathematics at the Department Mathematics and Information Technology. Start from the beginning of August 2025 on a permanent basis. Salary Group B1 according to the Uni-KV, monthly minimum salary excl. Szlg.: € 4.752,30 for 40 hours per week (14 x per year).

The main task will be teaching applied mathematics in German; the topics will include e.g., numerical analysis, special lectures for students in mechanical engineering, vibration theory, multibody systems, computer science etc. In addition, one should participate in the department's organization and administration. Research in applied mathematics is expected.

Requirements:

Ph. D. in Mathematics, two or three years as a postdoc. Experience in teaching and research in applied mathematics (e.g. optimization, numerical analysis, inverse problems, stochastic/statistic or some related areas). Publications in internationally reviewed journals.

Additional requirements:

- Knowledge and experience in a computer language (e.g. C++, Python, Java);
- Knowledge and experience in e.g. Scilab or Matlab
- Team- and communications skills.

Tasks:

- Research in Applied Mathematics
- Cooperation in teaching in applied mathematics
- Organization and administration training groups
- Developing and execution of e-Learning concepts

- Cooperation at exams
- Mentoring of students
- Mentoring of scientific works
- Cooperation in administration and management

Reference number: 2411WPA

Application deadline: 17.12.2024

The Montanuniversität Leoben intends to increase the number of women on its faculty and therefore specifically invites applications by women. Among equally qualified applicants, women will receive preferential consideration.

For the application please use the online form on the homepage: <http://www.unileoben.ac.at/jobs>

70. Job Advertisement: - One position for a part-time Senior Scientist (30 h) m/f/d at the Chair of Physical Chemistry, Department General, Analytical and Physical Chemistry - Reference number: 2411WPI

The Montanuniversität Leoben is a modern teaching and research institution and offers excellent conditions for careers in scientific and non-scientific fields.

One position for a part-time Senior Scientist (30 h) m/f/d at the Chair of Physical Chemistry, Department General, Analytical and Physical Chemistry, starting as soon as possible in permanent employment. Salary Group B1 according to the Uni-KV, monthly minimum salary excl. Szlg.: € 4.752,30 for 40 hours per week (14 x per year).

Requirements:

- Completed academic degree (Dr./PhD) from a natural scientific or technical university (e.g. chemistry or physics)
- Very good command of German and English

Desired additional qualifications:

- Very good knowledge of Chemical Energy Conversion, Catalysis, Solid State Chemistry/ Materials Chemistry or Physical Chemistry
- Very good knowledge in the field of spectroscopy, particularly in-situ x-ray photoelectron spectroscopy and in-situ x-ray diffraction including simultaneous product analysis by e.g. gas chromatography or mass spectroscopy
- Relevant training in the field of radiation protection (e.g. radiation protection commissioner, Strahlenschutzbeauftragter)
- Very good knowledge in the field of UHV technology including experience in construction and maintenance of UHV systems
- Experience in setting up and maintaining web pages
- Proficiency in network architecture and experience in maintaining computer infrastructure (building and configuration of multi-user servers, setup and maintenance of local compute clusters)
- Knowledge in the field of computer simulation of properties of catalyst materials or oxide materials (both on local infrastructure and on computing centers)
- Experience with virtual reality (VR), development of practical VR exercises for teaching
- Experience in the communication with scientific publishers and the processing of submission and publishing of scientific publications
- Experience in science communication for non-scientists (talks, organization of workshops)
- Long-standing experience in teaching in a university setting (lectures and lab-courses, supervision of final theses)
- Ability to work and communicate in a team

Job profile:

- Synthesis of novel complex oxides (e.g. perovskites) for (electro)chemical energy conversion, especially the conversion of CO₂ into value added products
- Structural and catalytic characterization of fundamental materials properties by in-situ (operando) spectroscopic methods (x-ray photoelectron spectroscopy or x-ray diffraction)
- Additional material characterization of synthesized materials via simulations (DFT...)
- Upkeep and maintenance of in-situ spectroscopic equipment (NAP-XPS, XRD)
- Coordination of measurement times on the above-mentioned spectroscopic equipment for internal cooperation partners at the Montanuniversität
- Support of the IT infrastructure of the chair
- (Security) training of master and PhD students or postdocs on the instruments mentioned above
- Independent development of specific control software for in-situ spectroscopic equipment and (electro)catalytic reactors (e.g. via Labview), maintenance of the IT infrastructure required to operate these devices

- Coordination of preparations for measurement times at large-scale research facilities (e.g. synchrotron) and organisational management of these measuring times on site (e.g. BESSY Berlin, DESY Hamburg, ALBA Barcelona, MAX IV Lund), participation in the preparation of beamtime proposals
- Coordination and processing of the acquisition of laboratory equipment (obtaining offers, price negotiations, order processing), commissioning and final acceptance of the equipment (securing guarantee or warranty claims)
- Participation in teaching and research of the chair, in particular independent teaching in the field of Physical Chemistry and supervision of final theses

Reference number: 2411WPI

Application deadline: 17.12.2024

The Montanuniversität Leoben intends to increase the number of women on its faculty and therefore specifically invites applications by women. Among equally qualified applicants, women will receive preferential consideration.

For the application please use the online form on the homepage: <http://www.unileoben.ac.at/jobs>

71. Job Advertisement: - A research position in accordance with § 99 (5) of the 2002 Universitätsgesetz (according to § 27 of the collective agreement for the University employees - Uni-KV) at the Chair of Materials Science and Testing of Polymers of the Department Polymer Engineering and Science - Reference number: 2411WPJ

The Montanuniversität Leoben is a modern teaching and research institution and offers excellent conditions for careers in scientific and non-scientific fields.

At the Montanuniversität Leoben, the Chair of Materials Science and Testing of Polymers at the Department Polymer Engineering and Science is seeking to fill a career position according to § 99(5) of the 2002 UG (Qualification position according to § 27 - Uni-KV) as of the earliest possible date in a permanent, full-time employment relationship.

The classification is based on the collective agreement for employees of the universities in salary group A2. In this classification, the collective agreement monthly salary for full employment is € 5.595,60 gross (14 times a year).

The applicant should represent the research field Sustainable Polymers in all relevant areas of the Montanuniversität in teaching, research and transfer. Teaching in the bachelor's and master's degrees as well as in the subject area is expected. In particular, the following is expected:

- Research expertise in the field of plastics to increase resource efficiency and for sustainable development
- Expertise in the development, production and characterization of technical biopolymers and composites based on renewable resources
- Extensive knowledge of morphological and structural analysis of polymer materials (e.g. electron microscopy, spectroscopic methods, scanning probe technologies also in combination with spectroscopy (e.g. PiFM, TERS), X-ray structural analysis)
- Sound experience with methods for characterizing polymer materials with regard to thermal, thermo-mechanical, mechanical and functional properties
- International research experience and experience in cooperation with research institutions in Austria and abroad
- Experience in establishing and expanding collaborations with industry for the purpose of acquiring third-party funding and in application-oriented research with industry
- Willingness for interdisciplinary cooperation, especially with the chairs and departments of the Montanuniversität
- Extensive experience as a lecturer at universities or other institutions in the higher education sector
- Completed trainings and/or further education in the field of university didactics and modern forms of teaching
- Ability to teach the courses assigned to the subject area in German and English
- Experience in supervising students' academic work, such as bachelor's and master's theses and dissertations, and willingness to continue to take on this task
- Experience in participating in university organizational and administrative tasks and willingness to continue to take on tasks within university self-administration

Requirements for employment are:

- Habilitation in the field of "Physics of polymer materials"
- Management skills and experience in leading team members
- Experience in the acquisition and implementation of funded research projects as well as proof of successful industrial research collaborations or industrial research projects
- Publications in international peer-reviewed journals
- Experience in academic university teaching as well as strong didactic and pedagogical skills
- International research experience and participation in research networks
- Excellent written and spoken German and English skills

The following documents must be submitted in German or English:

- Letter of motivation (maximum 1 page)
- Comprehensive curriculum vitae with a complete list of publications
- Proof of the stated employment requirements
- List of previous research and teaching activities

Reference number: 2411WPJ

Application deadline: 17.12.2024

The Montanuniversität Leoben intends to increase the number of women on its faculty and therefore specifically invites applications by women. Among equally qualified applicants, women will receive preferential consideration.

For the application please use the online form on the homepage: <http://www.unileoben.ac.at/jobs>

The Rector:

Univ.-Prof. Dipl.-Ing. Dr.mont. Dr.-Ing. E.h. Dr.h.c. Peter Moser

Impressum und Offenlegung (gemäß MedienG):

Medieninhaber, Herausgeber und Hersteller: Montanuniversität Leoben, Franz Josef-Straße 18, A-8700 Leoben.

Verlags- und Herstellungsort: Leoben. Anschrift der Redaktion: Büro des Rektorates, Franz Josef-Straße 18, A-8700 Leoben.

Unternehmensgegenstand: Erfüllung von Aufgaben gemäß § 3 Universitätsgesetz 2002, BGBl. I Nr. 120/2002 in der jeweils geltenden Fassung. Art und Höhe der Beteiligung: Eigentum 100%. Grundlegende Richtung: Information der Öffentlichkeit in Angelegenheiten der Forschung und Lehre sowie der Organisation und Verwaltung der Montanuniversität Leoben sowie Veröffentlichung von Informationen nach § 20 Abs. 6 Universitätsgesetz 2002 in der jeweils geltenden Fassung. Namen der vertretungsbefugten Organe des Medieninhabers: Univ.-Prof. Dipl.-Ing. Dr.mont. Dr.-Ing.E.h. Dr.h.c. Peter Moser, Univ.-Prof. Dipl.-Ing. Dr.mont. Helmut Antrekowitsch, Assoz.Prof. Mag. Dr.rer.soc.oec. Christina Holweg, Univ.-Prof. Dipl.-Ing. Dr.techn. Thomas Prohaska, Mag. Dr.rer.soc.oec. Barbara Romauer