JOB OPENINGS
RUHR-UNIVERSITÄT BOCHUM
as of September 18, 2023

PROFESSORSHIPS

Electronic Properties of Solids
Faculty of Physics and Astronomy
Keywords:
experimental solid-state physics, electronic properties and excitations of quantum materials with a focus on the use of spectroscopic techniques such as NMR/NQR, μSR, ARPES, Raman or IR-UV spectroscopy
Details:
Professorsip W2 (equiv. to Associate) | Application Deadline: Sep 30 | Link to application

POSTDOCTORAL/GROUP LEAD POSITIONS

Entrepreneurship and Innovation Management
Faculty of Business and Economics, Chair of Entrepreneurship and Innovative Business Models
Background:
Empirical research in the field of entrepreneurship, innovative business models and sustainability (circular bioeconomy)
Details:
1.5 years, full-time | Apply by Sep 29, 2023 | Link to application

Logic in Philosophy and Artificial Intelligence
Institute of Philosophy II, Center for Mind and Cognition
Background:
formal models of defeasible reasoning, in particular those based on nonmonotonic logic and formal argumentation.
Details:
2 years, full-time | Apply by Oct 9, 2023 | Link to application

Mathematical Statistics
Faculty of Mathematics
Background:
Extreme value statistics, time series analysis, structural break analysis, and nonparametric statistics.
Details:
2 years, full-time | Apply by Oct 16, 2023 | Link to application

Atomistic Simulations | Theoretical Chemistry
Research Center Chemical Science and Sustainability of the Research Alliance Ruhr
**Background:**
PhD in computational/theoretical chemistry, physics, materials science or a related field

**Keywords:**
electronic structure calculations, atomistic simulation techniques, programming in Python and/or Fortran

**Details:**
2 years, full-time | Apply by October 31, 2023 | Link to application

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**Symmetric Cryptography**
Faculty of Computer Sciences, ERC Grant “SymTrust”

**Keywords:**
Analysis and the design of symmetric primitives with a focus on security arguments and security proofs.

**Details:**
2 years, full-time | Apply by Dec 31, 2024 | Link to application

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**Structural Engineering Materials (Ni-base single crystal superalloys)**
Mechanical Engineering, Chair for Materials Science and Engineering

**Keywords:**
Effect of trace elements on the high-temperature properties of single-crystal Ni-base superalloys

**Details:**
3 years, full-time | Apply by Sep 25, 2023 | Link to application

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**Carbon Material**
Mechanical Engineering, Thermo- Fluiddynamics, Carbon Sources and Conversion

**Background:**
Postdoc or Group Lead Position

**Details:**
negotiable, full-time | Apply now | Reach out via e-mail (see end)

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**Plant Biology/Evolution**
Faculty of Biology and Biotechnology

**Background:**
Postdoc or Group Lead Position for population genomics, esp. in silico, previous experience does not have to be in plants, genome analysis (esp. in silico), experimental molecular-, cell biological- and biochemical analysis of processes of metal homeostasis or metal signaling in organisms (Zn, Cu, Fe, Mn,...)

**Details:**
negotiable, full-time | Apply now | Reach out via e-mail (see end)

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**Life-Cycle-Assessment**
Mechanical Engineering, Thermo- Fluiddynamics, Carbon Sources and Conversion

**Background:**
Postdoc or Group Lead Position

**Details:**
negotiable, full-time | Apply now | Reach out via e-mail (see end)
Thermodynamic Properties of Hydrogen
Mechanical Engineering, ERC-Grant Holder in Thermodynamics

Background:
Quantum mechanical description of interaction potentials / virial coefficients

Details:
negotiable, full-time | Apply now | Reach out via e-mail (see end)

Antibiotic Natural Products
Center for System-based Antibiotic Research, Faculty of Biology and Biotechnology

Background:
Postdoc or Group Lead Position, https://www.cesar.ruhr-uni-bochum.de/cesar/index.html.en

Details:
negotiable, full-time | Apply now | Reach out via e-mail (see end)

Mechanisms of Antibiotic Action
Center for System-based Antibiotic Research, Faculty of Biology and Biotechnology

Background:
Postdoc or Group Lead Position, https://www.cesar.ruhr-uni-bochum.de/cesar/index.html.en

Details:
negotiable, full-time | Apply now | Reach out via e-mail (see end)

Lead of Mass Spectrometry Facility in the Life Sciences
Faculty of Biology and Biotechnology

Keywords:
Proteomics, metabolomics and elemental analysis (ICP-MS)

Details:
full-time | Apply now | Reach out via e-mail (see end)

Quantitative Researcher in Medicine
Faculty of Medicine

Keywords:
General Practice and Family Medicine, Health Services Research and Outcomes Research or Digital Health

Details:
full-time | Apply now | Reach out via e-mail (see end)

Humboldt Fellowships (through Henriette Herz Scouting Program)
Astronomy, Physical Chemistry, History, Philosophy

Keywords:
The Alexander von Humboldt Foundation has selected five outstanding RUB professors as scouts within the prestigious Henriette Herz Scouting Programme. Each of the scouts has the opportunity to recommend three research talents from abroad for a Humboldt Research Fellowship. More infos at www.research-school.rub.de/henriette-herz-scouting
Permanent Calls

IT-Security (several openings)
Cluster of Excellence CASA
Disciplinary Background:
Computer Science, Cryptography, Electrical Engineering, Mathematics, Psychology
Details:
2 years, full-time, Jump-Start-Program | Application accepted all year around | Link to application

Solvation Science (several openings)
Cluster of Excellence RESOLV
Disciplinary Background:
Chemistry, Physics, Biochemistry, Chemical, Engineering, and alile
Details:
full-time | Application accepted all year around | Link to application

Computational/Theoretical Chemistry/Physics (several openings)
Center for Theoretical Chemistry
Keywords:
molecular dynamics/electronic structure, Link to techniques
Details:
full-time | Application accepted all year around | Link to application

IT-Security (several CASA)
Cluster of Excellence CASA
Disciplinary Background:
Computer Science, Cryptography, Electrical Engineering, Mathematics, Psychology
Details:
2 years, full-time, Jump-Start-Program | Application accepted all year around | Link to application

COORDINATOR POSITION

Senior Research Coordinator Geothermal Research
Faculty of Geo Sciences
Keywords:
PhD needed, Scientific management of the Chair of Geothermal Energy Systems of the Faculty of Mechanical Engineering
Details:
3 years, full-time | Apply now | Reach out via e-mail (see end)

For questions please reach out to research-career@rs.rub.de