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The University of Vienna is internationally renowned for its excellence in teaching and research, and counts more than 7,500 academics from all disciplines. This breadth of expertise offers unique opportunities to address the complex challenges of modern society, to develop comprehensive new approaches, and educate the problem-solvers of tomorrow from a multidisciplinary perspective.

At the Faculty of Physics, the University of Vienna seeks to appoint a

Full Professor of Computational Material Discovery

(in case of a first-time appointment to a professorship, the appointment may be initially limited – with an extension option)

The position:

To strengthen the Computational Materials Physics Group, the Faculty of Physics seeks an excellent candidate with a strong background in the computationally driven discovery and design of new materials. The new professorship will complement the existing group members, by providing a link between data science and materials science and strengthen research in the [MECS](#) (Materials for Energy Conversion and Storage) – a Cluster of Excellence that involves 20 research groups in Austria. The candidate should have a proven record in the application of ab initio density functional theory and large-scale data acquisition. Specifically, expertise in one of the following areas is desirable: (i) Unleash the potential of and discover hidden relationships in big databases created from high throughput first principles simulations. (ii) Design artificial intelligence and machine learning algorithms to accelerate materials research using first principles methods. (iii) Develop multiscale methods to bridge the length and time scales accessible from first principles to those required to model mesoscopic properties relevant for applications.

Your academic profile:

- Doctoral degree/PhD
- Outstanding research achievements, excellent publication and funding record, international reputation
- Proven leadership qualities
- Experience in designing and managing large research projects
- Enthusiasm for excellent teaching and supervision at the bachelor's, master's, and doctoral level
- Willingness to take on organisational and administrative responsibilities within the Faculty and/or the University

The University of Vienna expects the successful candidate to acquire, within three years, proficiency in German sufficient for teaching in bachelor's programmes and for participation in university committees.

We offer:

- a dynamic research environment
- a wide range of research and teaching support services
- attractive working conditions in a city with a high quality of life
- an attractive salary according to the [Collective Bargaining Agreement for University Staff](#) (§98 UG, level A1, to be negotiated individually) and an organisational retirement plan
- a “start-up package”, in particular for the initiation of research projects
- comprehensive relocation support

Application documents:

Please submit a **single PDF file** (LastName_FirstName.pdf) containing the following information in English via e-mail to the Dean of the Faculty, Univ.-Prof. Dipl.-Ing. Dr. Robin Golser (dekanat.physik@univie.ac.at):

- 1. Letter of motivation**
- 2. Academic curriculum vitae**
 - education and training
 - positions held to date
 - parental, family or other care leaves as applicable
 - awards and honors
 - commissions of trust
 - previous and current cooperation partners
 - list of most important acquired third-party funding as principal investigator, and, if applicable, of inventions/patents
 - list of most important scientific talks (max. 10)
 - teaching and mentoring
 - supervision experience (Master and PhD)
- 3. List of publications and a link to your ORCID record**
- 4. Research statement**
 - most important research achievements (max. 2 pages) and planned future research activities (max. 4 pages)
 - synopsis of five key publications with relevance to the position advertised
- 5. Teaching and supervision statement**
 - teaching and supervision concept, including a description of the previous and planned priorities in academic teaching and supervision (max. 2 pages)

Appendices to application document:

- a. Five key publications as electronic full text version**
- b. Teaching evaluations** (if available, compiled into a single PDF file)
- c. Copies of certificates of academic degrees** (mandatory, compiled into a single PDF file)

The University of Vienna has an anti-discriminatory employment policy and attaches great importance to equal opportunities, the [advancement of women](#) and [diversity](#). We lay special emphasis on increasing the number of women in senior and in academic positions among the academic and general university staff and therefore expressly encourage qualified women to apply. Given equal qualifications, preference will be given to female candidates.

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[Privacy Policy](#)

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Application deadline: 15 January 2024