

The FWF funded **doc.funds doctoral school** *Modeling – Analysis – Optimization of discrete, continuous and stochastic systems* is pleased to announce the following open position at the **Department of Statistics** at the Faculty of Technical Science with a preferably as soon as possible, but **negotiable starting date**:

### 1 Predoc position in Stochastic Numerics (all genders welcome)

**Level of employment:** 75 % (30 hours/week)

**Minimum salary:** € 37.577 per annum (gross); Classification according to collective agreement: B1

**Limited to:** the project end on 30 September 2025 (a follow up project is in the application phase)

**There is no application deadline.**

The doctoral school is embedded into the well-established doctoral program in mathematics at the University of Klagenfurt. It provides a vivid, friendly, and research-oriented environment. In our research we aim to solve mathematical problems by creating synergies from a multi-perspective view, combining the knowledge of several mathematical sub-disciplines. Further information on the doctoral program and the doc.funds doctoral school can be found here: <http://www.math.aau.at/doctoralschool>

#### Tasks and responsibilities:

- Autonomous scientific work including the publication of research articles in the field of stochastic numerics
- Active participation in the research activities of the doctoral school and at international conferences
- Participation in public relations activities

The successful candidate is expected to pursue a PhD within the doctoral programme and the doc.funds doctoral school “Modeling – Analysis – Optimization of discrete, continuous and stochastic systems” at the University of Klagenfurt.

#### Prerequisites for the appointment:

- Master’s degree at a national or international university in mathematics or a related field. This requirement must be fulfilled **two weeks before the starting date** at the latest.
- Strong background in stochastics
- An interest in multi-perspective research combining different mathematical sub-disciplines
- Programming skills (e.g., Python, Matlab, R, SageMath, Maple, Mathematica, C/C++, ...)
- Fluency in English

#### Additional desired qualifications:

- Ability to work in a team
- High communication and dissemination skills

The PhD student will be supervised by Michaela Szölgényi and co-supervised by one of our faculty members (of whom 45% are female), and the PhD student will have an international mentor.

#### The University of Klagenfurt also offers:

- Personal and professional advanced training courses, management and career coaching, including bespoke training for women in science
- Numerous attractive additional benefits, see also <https://jobs.aau.at/en/the-university-as-employer/>
- Diversity- and family-friendly university culture
- The opportunity to live and work in the attractive Alps-Adriatic region with a wide range of leisure activities in the spheres of culture, nature and sports

**The application:**

If you are interested in this position, please apply in English providing the following documents:

- Letter of application explaining the motivation and including a statement of interest in multi-perspective research combining different mathematical sub-disciplines
- Curriculum vitae
- Copies of degree certificates (Bachelor and Master)
- Copies of official transcripts (Bachelor and Master) containing the list of all courses and grades
- Master's thesis. If the thesis is not available, the candidate should provide an explanation.
- A letter of reference by an experienced scientist. For confidentiality reasons, this letter must be sent directly by that scientist to [mao.doctoralschool@aau.at](mailto:mao.doctoralschool@aau.at).
- If an applicant has not received the Master's degree by the application deadline, the applicant should provide a declaration on when they intend to finish the Master's degree.

We can only accept applications comprising all necessary documents. To apply, please send your application to [mao.doctoralschool@aau.at](mailto:mao.doctoralschool@aau.at)

The principles of diversity, gender mainstreaming, healthiness, sustainability and compatibility of family career build the basis for achievement of our goals. Hence, all PhD students will have access to the university's career development program, including as special offer for female students.

It is our declared goal to increase the proportion of women in scientific positions and therefore we encourage qualified women to apply for the position. In case of equivalent qualification, women are given preferential consideration.

As part of its human resources policy, the University of Klagenfurt places particular emphasis on anti-discrimination, equal opportunities and diversity. People with disabilities or chronic diseases, who fulfill the requirements, are particularly encouraged to apply.

For further information on this specific vacancy, please contact Prof. Dr. Michaela Szölgényi ([michaela.szolgyenyi@aau.at](mailto:michaela.szolgyenyi@aau.at)). General information about the university as an employer can be found at <https://jobs.aau.at/en/the-university-as-employer/>. At the University of Klagenfurt, recruitment and staff matters are accompanied not only by the authority responsible for the recruitment procedure but also by the [Equal Opportunities Working Group](#) and, if necessary, by the [Representative for Disabled Persons](#).