



The Chair of Mathematics for Business and Economics at the University of Zurich (Switzerland) is looking for

### **Research Associate (Postdoc, 80% employed)**

starting January 1<sup>st</sup> 2022 or by arrangement.

The Chair of Mathematics for Business and Economics focuses on the mathematical solution of business problems. We model and optimize stochastic dynamic systems, in particular via Markov decision processes and approximate dynamic programming. Our applications are in the field of operations management and revenue management in particular. We teach mathematics and optimization at the Bachelor and Master level.

### **We Offer**

- The opportunity to work on projects in the area of revenue management or approximate dynamic programming and to present your work at international conferences
- Interesting work as part of a dynamic team in a friendly working environment
- The possibility to interact with internationally renowned scientists
- An appropriate salary in accordance with the salary guidelines/scale of the canton of Zurich

### **Responsibilities**

- Developing, managing and publishing research projects within the field of approximate dynamic programming or revenue management
- Teaching of one math or optimization class per year
- Supervision of Bachelor or Master theses

### **Qualifications**

- Strong background in Mathematics and a PhD in Operations Research, Operations Management, Industrial Engineering, Mathematics or a related field
- Solid knowledge of mathematical optimization techniques
- Good knowledge in at least one higher programming language (e.g. Matlab, AMPL)
- Strong motivation for scientific research and teaching
- Good organizational and communication skills
- Reliable team players



- Advanced English language skills

### **Further Information**

Further inquiries regarding the position can be sent to [christiane.barz@uzh.ch](mailto:christiane.barz@uzh.ch).

### **Applications**

Applications should include a motivation letter, a CV, academic transcript and a certificate of the master and the PhD degree. The documents should be sent in a single PDF to [christiane.barz@uzh.ch](mailto:christiane.barz@uzh.ch) before December 31<sup>st</sup>.