Postdoc position at the Euler Institute, Faculty of Informatics at USI Università della Svizzera italiana

Università della Svizzera italiana (USI) is a young and lively university, a hub of opportunity open to the world where students are offered a quality interdisciplinary education in which they can be fully engaged and take center stage, and where our researchers can count on having the space to freely pursue their initiative.

Established in 1996, USI is in constant evolution, always taking on new challenges while remaining true to its three guiding principles: quality, openness and responsibility.

The Euler Institute is USI’s central node for interdisciplinary research and the connection between exact sciences and life sciences. By fostering interdisciplinary cooperation in Life Sciences, Medicine, Physics, Mathematics and Quantitative Methods, Euler provides the basis for truly interdisciplinary research in Ticino.

The Institute invites applications for a Postdoc position in Computational Mathematics (100%, 2 years).

The project
The positions are funded by the SNSF Starting grant "Multiresolution methods for unstructured data":
Rapidly increasing unstructured data is omnipresent in our everyday lives. Typical examples are data from social networks, text and audio data, photos, and videos, but also scientific measurements and simulation data. Efficient processing and analysis of these data have become vital for our society.
In "Multiresolution methods for unstructured data", we develop novel and fully discrete data-centric multiresolution approaches tailored to unstructured data, focusing on efficient algorithms for computational uncertainty quantification and adaptive strategies for active learning and non-smooth data.

The Position
The candidate will work with Prof. Multerer (http://usi.to/3ps). The successful candidate will be offered the opportunity to work in a dynamic research team and in a multidisciplinary and international scientific environment.
The candidate should aim at an academic career and is expected to present papers at scientific conferences and produce publications in high-ranking journals.

Candidates’ profile
Ideal candidates should satisfy the following requirements:
• PhD in (applied) Mathematics, with a research focus on approximation theory, harmonic analysis, or similar.
• Programming knowledge in C/C++ or similar.
• Fluent in English, Italian is a plus.

**Contract terms**
Workplace is USI Università della Svizzera italiana, located in Lugano, Switzerland. Availability to travel to other parts of Switzerland and abroad (for purposes of collaboration and research) is required.

Starting date is as soon as possible, applications received before 7. April 2024 will be given priority. However, the position will be kept open until a suitable candidate has been found.

The salary levels correspond to those set by the Swiss National Science Foundation for postdoctoral researchers.

**The Application**
Applications should contain: (1) a letter in which the applicants describe their research interests and the motivation to apply, (2) a complete CV, (3) copies of relevant diplomas, certificates as well as the full transcript of records, (4) a complete list of publications with details on the candidate’s contributions,(5) contact information of 2 scientific references.

Please send your application in electronic form or requests for further information to Michael Multerer (michael.multerer@usi.ch).

USI strives to be an equal opportunity and family friendly employer and is further responsive to the needs of dual career couples. We guarantee that the selection process will give equal opportunities to female and male researchers.
As an institution that values diversity, USI particularly encourages applications from women and from all individuals from underrepresented groups.

Lugano, March 14, 2024