Faculty of Informatics, IDSIA USI-SUPSI

PhD student position in Computational Geometry at Dalle Molle Institute for Artificial Intelligence, Faculty of Informatics, 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 Ph.D. Position
The candidate is expected to conduct research under the scientific supervision of Prof. Evanthia Papadopoulou on Geometric Algorithms on topics related to nearest-neighbors, Voronoi diagrams, variants of higher-order and cluster Voronoi diagrams, considerations related to generalized sites or higher dimensions, applications in data visualization. They will be enrolled in the PhD programme of the Faculty of Informatics.

The successful candidate will be offered the possibility to work in a dynamic research team and in a multidisciplinary and international scientific environment.

On the teaching side, they will work as teaching assistant in courses at either Bachelor or Master level, helping in the preparation of teaching materials and tutoring students.

The teaching and working language is English.

Candidates’ profile
Ideal candidates should satisfy the following requirements.
- A master’s degree in Computer Science or Mathematics and an affinity with Algorithms.
- A keen interest and background in Algorithms, Theoretical Computer Science, Algorithms Engineering or Discrete Mathematics.
- Excellent academic qualifications as well as good communication and collaboration skills.
- Experience in Computational Geometry is very welcome, but it is not required;
- good programming skills is a great plus.
- fluency in English is required.

Contract terms
Admission to the Ph.D. program is highly competitive. Admission decisions are based on the candidate’s background, interests, attitude and potential for academic achievement. Successful enrolment in the Ph.D. programme and the position as doctoral researcher are not compatible with a further professional activity.
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.

The position will be kept open until a suitable candidate has been found.

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) contact information of academic references.

Please send your application in electronic form or requests for further information to Prof. Evanthia Papadopoulou (evanthia.papadopoulou@usi.ch).

In addition, please follow the Faculty application procedure outlined here.

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, 25 May 2023