Internship in Randomization in Computational Geometry and Topology

There is an opening for a paid internship for Masters students starting in October 2020, for a period of 6 months. The position is under the NCN SONATA grant “Probabilistic tools for high-dimensional geometric inference, topological data analysis and large-scale networks”, which aims to develop structural understanding and efficient algorithms for geometric and topological analysis of high-volume and high-dimensional data, using probabilistic ideas. The principal investigator is dr. Kunal Dutta [https://www.mimuw.edu.pl/~kdutta/]

We are looking for a student who

- Is pursuing a Masters in Computer Science, Mathematics or related areas.
- Has a background in discrete mathematics, probabilistic combinatorics and algorithms. Some familiarity with computational geometry, real analysis and topology would be helpful, but are not essential.
- Is interested in problems involving several areas, such as algorithms (especially randomized / geometric algorithms), probabilistic combinatorics, computational geometry and topology.
- Is proficient in English.

We offer

- Exciting and challenging research problems.
- Collaboration with researchers within and outside MIM UW.
- Travel funding for conferences and research-related visits.
- Salary: 2000 PLN per month.

Contact: K.dutta@mimuw.edu.pl

To apply for the position, please send a CV and a brief description of your research interests.

**Application deadline:** October 14, 2020.