

One year postdoctoral position in the ANR MAGA

Location : Grenoble, France

Discipline : Computational aspects of optimal transport and applications

Supervisor : Boris Thibert

Duration : Fall 2019 or January 2020

Salary : around 2,000 euros/month, net of social taxes (might be a bit more, depending on the experience).

MAGA (Monge-Ampère and Computational Geometry) is a research project funded by the French ANR (Agence Nationale de la Recherche) for 2016-2020. It involves researchers from several institutions, including a group at *Laboratoire Jean Kuntzmann* in Grenoble. The main topics of this project are discrete and computational aspects of optimal transport, and applications of optimal transport to economics, engineering and natural sciences. More information on this research project can be found browsing its [MAGA site](#).

The group in Grenoble seeks a post-doctoral researcher, to be hired for one academic year, 2019/2020. The selected post-doc will work under the supervision of [Boris Thibert](#), but collaborations with other members of the MAGA project or from the Laboratoire Jean Kuntzmann will be encouraged. In particular, depending on the chosen topic, the post-doc might also be working in collaboration with [Edouard Oudet](#), [Ludovic Métivier](#) or [Quentin Mérigot](#). The researcher will be employed by Université Grenoble Alpes, under a fixed-term contract of one year. No teaching duty is associated to this position. Professional travel expenses will be covered by the MAGA project.

Applications are welcome by any scientist with experience in the above-mentioned fields, holding a Doctoral degree, or expecting to get it by the starting date of the contract. In order to apply, candidates must send their complete CV, the list of their publications with links to retrieve them on the web, and a short research project (at most one page) to Boris.Thibert@univ-grenoble-alpes.fr. Applications must be received **by May 30, 2019**. The research project must be related to the activities of MAGA and to the research interests of the group based at Grenoble, i.e.

- computational aspects of optimal transport
- discretization of variational problems involving Laguerre diagrams ;
- applications of optimal transport or prescribed jacobian equations (economics, seismology,...)
- Inverse problems in optics, especially involving extended light sources.

The applicants are welcome to contact [Boris Thibert](#) in order to prepare their research project.