Optimisation on measures spaces

As part of the ANR OMS project, we are looking for a candidate for a one-year post-doc, renewable once.

The theme of this project is optimisation on measures spaces. This problem is at the confluence of many domains: convex and non-convex optimization, geometry and structure of functions (random and algebraic aspects), approximation, numerical analysis, statistical physics, high-performance computing. There are many potential applications. Examples include inverse problems, compressed sensing fr magnetic resonance imaging, quantization in finance, mesh generation or sketching. The project leaders have access to real data on some of these aspects.

We are looking for a successful candidate in at least one of the above areas. Motivation is a predominant criterion.

The candidate will collaborate closely with the consortium composed of Jérôme Bolte, Frédéric de Gournay, Jonas Kahn and Pierre Weiss.

More information on the project is available at https://perso.math.univ-toulouse.fr/oms/ .

For more information, please contact Jonas Kahn, jonas.kahn@math.univ-toulouse.fr.