



Postdoctoral Position in Optimization

Preamble

The Institut de Mathématiques de Bourgogne (<https://math.u-bourgogne.fr/>) at the Université de Bourgogne in Dijon, France, is offering a postdoctoral position in Optimization for a period of one year.

The position is the framework of the project EEQUAR, funded by EUR-EIPHI Graduate School, FEDER-Bourgogne and BFC-Region.

Topics

This project is aimed at the study of separable optimization problems with coupled constraints. It focuses on the use of a numerical method based on Moreau-Yoshida approximations and its application in image restoration, signal processing and location problems.

The work of the postdoc will include two main parts. One part will focus on the implementation of this method and in particular the study of convergence and its implementation. The other part aims to compare said method with the current "vogue" methods which do not give complete satisfaction, in particular regarding to the speed of convergence.

Miscellaneous

Candidates must hold a PhD in optimization, nonsmooth analysis, or a related field, and should have a demonstrated ability or the potential for high quality research. We expect to hire a candidate with a good balance between a solid theoretical background and practical experience in software development.

The postdoc position is for one year, from September 1, 2022 until August 31, 2023. The offered net salary is 2300 euros per month. Interested candidates may send further questions, a short statement of research interests, and the contact information for at least two references to abderrahim.jourani@u-bourgogne.fr or abdessamad.barbara@u-bourgogne.fr before **June 15, 2022**.