

Post-doc Projet EEQUAR

Job title	Postdoctoral Position in Optimization
Job type (PhD, Post-doc, Engineer)	Post-doc
Contract duration (months)	12 to 24 months. 2200 € net/month
Qualifications (Master, Ph.D ...)	PhD
Job hours (full time/ part time)	Full Time
Employer	UBFC Université Bourgogne Franche-Comté
Financing Institutions	Graduate School EIPHI & Region Bourgogne Franche Comté
Host Laboratory	Institut de Mathématiques de Bourgogne
URL Host Laboratory	https://math.u-bourgogne.fr/
Address Host Laboratory	Institut de Mathématiques de Bourgogne (UMR 5584 CNRS) Université de Bourgogne Faculté des Sciences Mirande 9 avenue Alain Savary BP 47870 21078 Dijon
Job description	<p>Preamble</p> <p>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 up to two years.</p> <p>The position is the framework of the project EEQUAR, funded by EUR-EIPHI Graduate School, FEDER-Bourgogne and BFC-Region.</p> <p>Topics</p> <p>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.</p> <p>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.</p>
Supervisor(s)	

Candidate profile	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.
Keywords	
Application deadline	15/05/2021
Application Depending on the type of position	The postdoc position is for one year, possibly renewable, starting as soon as possible and anyway not later than September 2021. 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 May 15, 2021.