BCAM INTERNSHIP POSITION IN MACHINE LEARNING FOR MULTIREGIONAL LOAD FORECASTING

Company Description
BCAM is the Research Center on Applied Mathematics created with the support of the Basque Government and the University of the Basque Country, which aims to strengthen the Basque science and technology system, by performing interdisciplinary research in the frontiers of mathematics, talented scientists’ training and attraction, so the excellence of our results are recognized by the Society.

Information
- Deadline: 2022-03-01
- Category: Business
- Province: Bizkaia
- Country: Basque Country
- City: Bilbao

Company
BCAM

Main functions, requisites & benefits

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Conventional techniques for load forecasting predict energy consumptions of one specific location (region). This project will develop and implement machine learning techniques that jointly obtain the forecasts corresponding to multiple regions. In addition, such techniques will be based on probabilistic online learning that provides uncertainty assessments and adapts to patterns’ changes.

Requisites
Required knowledge and skills in the following areas: Mathematics, statistics, machine learning, linear algebra, Matlab.

Benefits
The duration of the internship will be 3 months, flexible dates depending on student availability. The covered expenses will be negotiated.