BCAM Internship Position Announcement

The following BCAM Internship position is open at BCAM – Basque Center for Applied Mathematics, an interdisciplinary research center located in Bilbao, Basque Country – Spain. The interested applicants can apply via the following webpage: http://www.bcamath.org/en/research/internships. It is strongly recommended to apply at least 3 months before the expected starting date.

**INTERNship DATA**

<table>
<thead>
<tr>
<th>Research topic title:</th>
<th>Probabilistic energy forecasting</th>
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<tbody>
<tr>
<td>Research topic description:</td>
<td>Energy forecasting is widely used to manage energy resources, e.g., schedule generation and prevent outages. This project will develop techniques that obtain probability distributions of future energy consumption/generation using energy related data. In particular, the techniques developed will use data such as historical consumption/generation, weather conditions, location, and time.</td>
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<tr>
<td>Keywords:</td>
<td>Probabilistic forecasting, online learning, supervised learning</td>
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<td>Required knowledge and skills:</td>
<td>Machine learning, probability/statistics, Matlab or Python or R</td>
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<td>Required language skills¹:</td>
<td>Spanish or English</td>
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<td>Duration and dates:</td>
<td>3 months; flexible dates depending student availability</td>
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<td>Covered expenses:</td>
<td>To be negotiated</td>
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<td>Application deadline:</td>
<td>1s July 2019</td>
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**SUPERVISOri DATA**

| Supervisor:                    | Santiago Mazuelas                                                     |
| Research line:                 | Machine Learning                                                      |
| Email:                         | smazuelas@bcamath.org                                                  |

¹ Note that English is the official language at BCAM.