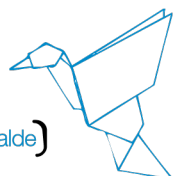


BCAM Internship: Control of Fluids

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: <https://joboffers.bcamath.org/>

INTERNSHIP OFFER	
Research topic:	Control of Fluids
Research line:	Applied Analysis
Research topic description:	<p>As an Intern at BCAM, you will embark on a unique opportunity to have a first contact with research.</p> <p>This Master's thesis project offers an in-depth exploration of control problems in hyperbolic-parabolic coupled systems, with two intriguing application areas: compressible fluid dynamics (e.g., Navier-Stokes equations) or blood flow networks, depending on the student's interest.</p> <p>Hyperbolic-parabolic systems are essential in modeling dynamic behaviors in complex environments, where control strategies aim to influence or stabilize these systems under various constraints.</p> <p>If you are eager to embark on a research career at BCAM, this opportunity is for you. Apply now and become part of our team at BCAM.</p>
Keywords:	Controllability, Stabilization, Navier-Stokes Equation
Supervisor:	Arnab Roy and Jon Asier Barcena
Required knowledge and skills:	<ul style="list-style-type: none"> - Degree in Mathematics, or a related field, or be currently enrolled in a bachelor's program in one of these areas. - Functional analysis, Basic PDEs
Duration and dates:	6 months; between 1st April 2025 and 30th September 2025 (Flexible depending on the intern circumstances)



<p>Conditions:</p>	<ul style="list-style-type: none"> • Living in the Basque Country: <ul style="list-style-type: none"> - Master's degree students/ PhD students: net salary of 350 € monthly • Living in Spain: <ul style="list-style-type: none"> - Master's degree students/ PhD students: net salary of 600 € monthly + 150 € expenses for travel. • Living outside Spain: <ul style="list-style-type: none"> -No remuneration. -Accommodation is covered by BCAM. -Travel expenses are covered and to be reimbursed: <ul style="list-style-type: none"> ○ Up to 300 €, if the intern comes from the EU ○ Up to 1000 €, if the intern comes from outside of the EU (to be checked on each country)
<p>Application deadline:</p>	<p>March 1st, 2025</p>



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