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Cambridge, February 27, 2013

Dear Pr. Isabelle Baraffe,

it is my pleasure to apply to the Postdoctoral position in Computational Stellar Astrophysics advertised by the University of Exeter. As you will see in my application, my research expertise is particularly relevant to the the topics mentioned in the job description. I am currently a Research Associate at the Department of Applied Mathematics and Theoretical Physics of the University of Cambridge. I have finished my PhD thesis on November 2009 and my thesis report is entitled “Modelisation and simulation of homogeneous anisotropic turbulence: rotation and magnetohydrodynamical effects”.

After this rather fundamental topic, I worked on various aspects of stellar and planetary dynamics, from local models involving thermal convection, magnetic fields and rotation to global spherical models of tidal dissipation and dynamo generated magnetic fields. I’m ready for new challenges in the area of astrophysical fluid dynamics and I believe that my past experience and future research goals will match many research topics existing in the Astrophysics group of the University of Exeter.

As required, you will find attached to this message a statement of my research and a curriculum vitae. You will also find at the end of this letter a list of references who can be contacted if needed. If you need any additional information, please visit my personal website (<http://sites.google.com/site/bfavierhome/>) or contact me by email.

Sincerely,

BENJAMIN FAVIER

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Claude Cambon

- PhD supervisor
- Senior CNRS researcher at Laboratoire de Mécanique des Fluides et d'Acoustique, Lyon, France
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Paul Bushby

- Post-doctorate supervisor
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Michael Proctor

- Post-doctorate supervisor
  - Professor at the Department of Applied Mathematics and Theoretical Physics, University of Cambridge
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