

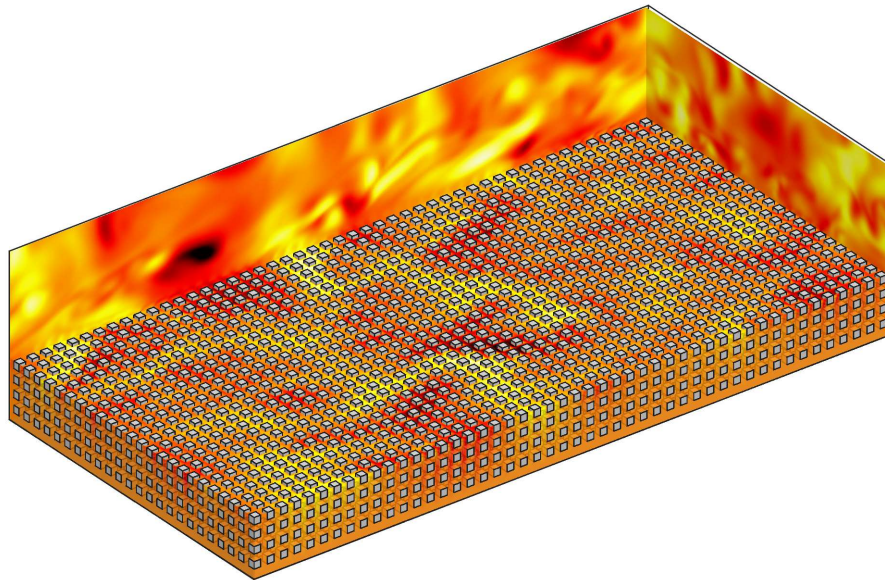


UNIVERSITY OF  
CAMBRIDGE



Engineering and  
Physical Sciences  
Research Council

## RESEARCH ASSISTANT/ASSOCIATE IN TURBULENT FLOWS OVER POROUS/ROUGH SURFACES



An EPSRC-Funded Postdoctoral Position on Turbulent Flows Over Porous/Rough Surfaces is open in the Department of Engineering, University of Cambridge. Funding is available for 24 months in the first instance.

The project aims to simulate, understand, characterise, and model the effect of surface porosity and roughness on near-wall turbulence, with particular emphasis on understanding their separate and combined influence. The project is a collaboration with the Universities of Southampton and Bristol, and will use direct numerical simulation, modelling and analysis, combined with the use of experimental data. The appointee is expected to take an active role in the collaboration with the project partners, as well as in the collaboration with / mentoring of PhD students.

Applicants should have, or be close to obtaining, a PhD degree in Fluid Mechanics from an Engineering, Mathematics or Physics Department, with a proven track record of high-quality publications. Preference will be given to candidates with a strong background in turbulence, particularly over complex surfaces, and with a solid understanding of theoretical and computational tools and analysis.

**Application link:** <https://www.jobs.cam.ac.uk/job/27019/>

**Deadline:** 23 October 2020

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