

## School of Engineering and Design

**Post-Doctoral Research Fellow  
Boiling in Microchannels**

**Vacancy Ref: DEA0559-1**  
[recruitdea@brunel.ac.uk](mailto:recruitdea@brunel.ac.uk)

**Salary (Grade R1): £32,590 - £38,464 pa incl. London Weighting**

Applications are sought for a Post-Doctoral Research Fellow to join a very active research team in the area of two-phase flow in microchannels. The research will work on a project entitled "Boiling in Microchannels – Integrated design of closed-loop cooling system for devices operating at high heat fluxes". The project is in collaboration with Edinburgh University and is funded by EPSRC. It is also sponsored by four UK based companies. The project aims to study fundamental and practical aspects of flow boiling in micro single and multichannel arrangements that will elucidate physical phenomena and lead to actual prototype designs for use in high flux devices. The work at Brunel will be experimental.

Applicants should have a PhD in Engineering, Physics or equivalent with experience in two-phase flows and heat transfer. Experience in experimental techniques and instrumentation will also be valuable. The successful applicant should have the drive and enthusiasm to see the project through from fundamental research to design. S/he should be able to work independently and as a member of a team comprising other researchers and industrial partners.

The post is available for three years starting 1<sup>st</sup> May 2013.  
Interviews will be March/April 2013

**Closing date for applications: 21<sup>st</sup> March 2013**

For any enquires please contact: Professor T.G. Karayiannis, tel: 01895267132,  
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For further details and to apply please visit <https://jobs.brunel.ac.uk/WRL/>

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