

Postdoctoral Research Fellow on FIRE MODELLING

Faculty of Engineering

Based in the Faculty of Engineering, you will join the Centre for Fire and Explosion Studies to assist ongoing research on fire modelling. The focus will be on the development and implementation of combustion models for fires and sub-models for fire and watermist interaction.

The Centre for Fire and Explosion Studies has leading edge capability in the development and application of advanced computational fluid dynamics (CFD) models for fire and explosion studies. It receives substantial funding from the EU and UK funding bodies as well as industry. Research activities within the centre cover a wide range of topics from the traditional fire and explosion modelling to advanced study of fire and explosion safety related to the production, transportation and utilization of new energy such as hydrogen and liquefied natural gas.

You should hold a PhD (or be expecting the imminent award of one) in mechanical, chemical engineering or a related discipline with particular focus on fire/combustion modelling. We are most interested in hearing from those with demonstrated experience on development of combustion models for non-premixed flames or fires, or those with experience on modelling the interaction between fire and water mist. This post is available immediately and initially on a 2-year contract basis. But this may be extended subject to satisfactory performance and further funding. Salary will be determined on the basis of experience.

Informal enquiries may be made to: Professor Jennifer Wen, j.wen@kingston.ac.uk, tel: +44 (0)208 547 7836. Further information about ongoing research activities can be found at <http://engineering.kingston.ac.uk/research/CFES>

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