

Post-Doctoral/Visiting research fellow position

The Department of Chemical Engineering, Curtin University of Technology, WA, Australia is inviting applications for a postdoctoral/visiting fellow to assist Professor Moses Tadó and Professor Ravindra Datta of Worcester Polytechnic Institute, USA on the research project entitled “*Multi-scale Integrated Modelling and Control of an Ethanol-Fuelled Tubular SOFC*”. The project will focus on various aspects of the modelling, optimisation and control of ethanol fed Solid Oxide Fuel Cells (SOFCs) to advance the technology to ensure steady, optimum and safe operations. Safer operating guidelines during load/part load conditions along with innovative solutions will be developed for the integrated units. The use of biomass ethanol as an environmentally friendly fuel in SOFCs will be extensively investigated to study reaction mechanisms, kinetics, and catalysis. The appointee will be based in Perth with Professor Tadó and he/she will have an opportunity to spend sometime with Professor Datta in the USA.

The ideal candidate should have a PhD degree in a related field, especially process modelling and control, use of appropriate software such as MATLAB, knowledge of fuel cells, etc. Good oral and written communication skills are also required. The successful candidate will be expected to start in the early part of 2008.

We will provide the following

- (1) The position is available for up to two years.
- (2) An allowance of AUD\$2,500/month will be contributed towards living expenses (including basic insurance cost).
- (3) The airfare of up to AUD\$3,000 for a return trip from the appointee's location to Perth.

Interested candidates are encouraged to send their resumes (including a list of good publications as well as contacts for 2 referees) to Professor Tadó at the address below.

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