
Materials-Based Hydrogen Storage: Design, Synthesis and Characterisation of Porous Materials

About the Workshop

Under the Researcher Links scheme offered within the Newton Fund and co-funded by the British Council and the Royal Society of Chemistry, there will be a bilateral workshop on the above theme in Pretoria, South Africa from 01 to 04 September 2015.

The focus of the workshop is on hydrogen storage materials with a careful consideration of the design, synthesis and characterisation of porous materials. The scope of the workshop will enable participants to share the latest advances in the development of porous and other types of materials for hydrogen storage. There will be keynote presentations from experts in the field and participants of the workshop will also be expected to present their research. Presentations from participants of both countries will cover topics including carbonaceous materials, metal-organic frameworks, other types of porous materials, and hydrogen storage materials in general. The aim of the workshop is to bring together UK and South African researchers, particularly early career researchers, in the field of materials development for hydrogen storage, and to foster the exchange of research ideas in the field. The workshop also aims to be a platform for networking among the participants and a medium to contribute towards personal and professional development of the early career participants. The workshop provides an excellent opportunity for early career researchers, together with an experienced team of mentors and leading academic subject experts, to meet on one platform and share their own research.

The coordinators of the workshop are:

- Prof Robert Mokaya, Professor of Materials Chemistry, University of Nottingham, UK
- Dr Henrietta Langmi, Key Programme Manager, Hydrogen South Africa Infrastructure, CSIR, South Africa

Other leading workshop facilitators/mentors are:

- Prof Martin Schroder, Dean of the Faculty of Science and Chair of Inorganic Chemistry University of Nottingham, UK.
- Prof Leslie Petrik, Professor / Leader of the Environmental and Nano Science Research group University of the Western Cape, South Africa
- Prof Duncan Gregory, Chair of Inorganic Materials and Head of Inorganic Chemistry, University of Glasgow, UK
- Prof Patrick Ndungu, Associate Professor of Chemistry, University of Johannesburg, South Africa

Who Should Attend

We are now inviting Early Career Researchers from the UK or South Africa to apply to attend this workshop. There is no restriction on nationality, though applicants must be based either in the UK or South Africa. Early career researchers include those awarded their PhD not more than 10 years ago and researchers with equivalent research experience. Postdoctoral fellows, junior faculty/scholars and those in the later stages of their PhD or equivalent are encouraged to apply.

Cost

Free - All travel and accommodation expenses as well as food during the workshop will be covered by the Researcher Links programme.

Key Dates

Deadline for applications: **29/5/2015**

Notification of successful applicants: **19/6/2015**

Workshop dates: **01 to 04 September 2015**

How to Apply

Applications to participate in the workshop should be submitted electronically to r.mokaya@nottingham.ac.uk (UK applicants) or hlangmi@csir.co.za (South African applicants) by the deadline. Applications should consist of a two-page CV and a one-page letter of motivation, explaining why you should attend the workshop and what you feel you can bring to such a gathering. Please elaborate on how this workshop would fit into your professional development and research and/or teaching goals. Also describe how you think you will be able to translate the lessons learned from the workshop more broadly. Documents should be submitted in pdf format by email with the phrase "Researcher Links Workshop Application" in the subject line.