

H2FC SUPERGEN Call for the delivery of a White Paper: “The Economic Impact of Hydrogen and Fuel Cells in the UK”

The Hydrogen and Fuel Cells SUPERGEN Hub is producing a series of evidence-based White Papers aimed at informing key stakeholders, especially policy makers, of the roles and potential benefits of hydrogen and fuel cell technologies. The first of these White Papers on “The role of hydrogen and fuel cells in providing affordable, secure low-carbon heat” was published in May 2014. A full copy of the report can be found on the [H2FC SUPERGEN website](#). The second White Paper on “The role of hydrogen and of fuel cells in delivering energy security for the UK”, is due to be published in March 2016. The third White Paper on “The role of hydrogen, and of fuel cells, in the future energy system” is currently being commissioned.

The H2FC SUPERGEN Hub is now issuing a call for proposals to produce the fourth White Paper, addressing the topic: “**The Economic Impact of Hydrogen and Fuel Cells in the UK**”. This paper will examine how hydrogen and fuel cell technologies can generate opportunities for wealth and job creation in the UK. More specifically, the analysis should include impact assessment on i) Supply Chain Development, ii) Employment (Skills Requirement), iii) Development of a UK Manufacturing Base, iv) Exports, v) Intellectual Property and vi) The Formation of an Industrial Cluster. The analysis will need to consider the existing energy systems in the UK, as well as the additional infrastructure requirements, and identify pathways for innovation with minimal investment costs.

Up to £100,000 of funding (at the usual EPSRC 80% FEC rates) is available to support the preparation and delivery of the white paper, which must be complete by **28th February 2017**. The white paper should critically review and synthesise the relevant evidence both in the literature and in practice and should also consider both UK and international experience. Details of the required format and content of proposals are set out below. The decision as to the successful proposal and award of the grant will be taken by the H2FC Hub Management and Advisory Boards. We intend to announce the successful proposal by **1st March 2016**.

Requirements and considerations for proposals are as follows:

- Proposals can include original research within the budget stated above where appropriate, but this should be justified.
- Proposals should comprise a Track Record of the investigator team and a Case for Support, which should together be no longer than four pages. The Case for Support should comprise a clear statement of how stakeholders will be engaged in the preparation of the White Paper, **what issues will be covered and how research outputs will be disseminated. A clear description** of the methodology and content of the White Paper is required, together with a description of pathways to impact. The Case for Support should also include a project work-plan. In addition a justification of resources is required, which should be no longer than one additional page.
- The proposal should identify the PI and Co-Is, and the lead author who will be responsible for delivering the paper. More than one academic institution may be involved in the

proposal. Due to the interdisciplinary nature of the analysis, the authors are required to have a sufficient degree of expertise in both Hydrogen & Fuel Cell Systems and Economics. This could be enabled through collaborations between experts.

- The proposal can include letters of support from relevant organisations. These can be in the form of e-mails and should explain the reasons for supporting the proposal as well as summarise any support that will be provided if the proposal is successful.

A template will be provided by the H2FC SUPERGEN hub for the final report.

This report is expected to have significant impact and, as such, is expected to be accessible to a wide audience, not only to experts in the field. Key stakeholders include, along with the wider industrial, academic and public sector in the UK, the SUPERGEN Hub Management Board and Advisory Board, who will provide guidance and commentary prior to commencement of and during the project.

Proposals from interested parties (eligible to receive EPSRC funding, see [EPSRC Funding Guide](#) for more details) should be made to Prof Nigel Brandon and Dr Zeynep Kurban by **14th February 2016**.

Interested parties are welcome to discuss their proposal with the Hub Director, Prof Nigel Brandon, prior to submission.

Contact Details:

Prof Nigel Brandon OBE FEng
Director of H2FC SUPERGEN Hub
Imperial College London
South Kensington
London SW7 2AZ
n.brandon@imperial.ac.uk
+44 (0)20 7594 5704

Dr Zeynep Kurban
H2FC SUPERGEN Hub Manager
Energy Futures Lab
Imperial College London
South Kensington
London SW7 2AZ
h2fc@imperial.ac.uk
+44 (0)20 7594 5850