



Patras, 17/6/2020

Ref. No.: 31694

Invitation for Expression of Interest:**PhD Fellowship “Development of electrocatalysts/electrodes for the investigation of the reversible electrolysis/fuel cell process on Solid Oxide high temperature cells”**

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one PhD fellowship in the context of the research project “NewSOC – GA 874577: Next Generation solid oxide fuel cell and electrolysis technology”, which is implemented under the Horizon 2020 Research Framework Programme and is financially supported from the Fuel Cells and Hydrogen 2 Joint Undertaking that receives support from the European Union’s Horizon 2020 Research and Innovation Programme and Denmark, France, Italy, Spain, Poland, Netherlands, Greece, Finland, Estonia, Germany, United Kingdom, Switzerland.

Job Description

To conduct research in the framework of the project “NewSOC, GA: 874577: Next Generation solid oxide fuel cell and electrolysis technology”. The aim of this research is to understand the degradation and lifetime operation fundamentals of new-developed fuel electrodes under the high (800 – 900 °C) temperature reversible H₂O electrolysis/fuel cell operation.

Location: FORTH/ICE-HT, Patras, Greece**Duration:** 6 months, with the potential of renewal**Salary:** 840 Euros per month**Envisaged starting date:** 1/9/2020**Requirements and Qualifications**

The candidate is required to hold a diploma in Chemical Engineering, with a Master of Science in Engineering and experience in investigation of electrochemical processes for the production of H₂ and/or electricity, as well as proven research experience in the development of high temperature and/or pressure experimental setup/s. Furthermore, the candidates must have followed courses related to electrochemistry, heterogeneous catalysis and transport phenomena. Moreover, the candidates must be fluent in English.

The evaluation of the candidacies will be based on the following criteria and qualifications:

Qualifications	Weight	Evaluation criteria
Diploma and Master of Science in Chemical Engineering	55	Diploma Grade, mandatory courses in heterogeneous catalysis, electrochemistry and transport phenomena
Awards of excellence	10	Number and type of awards
Proven research experience in the: (i) investigation of electrochemical processes for the production of H ₂ and/or electricity and (ii) development of high temperature and/or pressure experimental setup/s for the processes described in (i)	35	Duration of proven research experience in research groups and projects. Quality and/or number of related publications in refereed journals and/or conferences.

Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 2/7/2020, 23:59, by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr.

www.iceht.forth.gr

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P.O. Box 1414
GR 265 04 Patras, Greece
Tel. +30 2610 965300
Fax +30 2610 990987
Email: admin@iceht.forth.gr

In order to be considered, the application must include:

- Application letter
- CV
- Scanned copies of academic titles
- Statement of research interests

Any application received after the deadline will not be considered for the selection.

Selection Procedure

Applications that are received on time will be evaluated by a scientific committee using the criteria mentioned above. If necessary, certain candidates will be invited to a personal interview with the committee.

The outcome of the selection will be announced on the website of FORTH/ICE-HT as well as on the website of "DIAVGEIA".

Contact

For information and questions regarding the application and selection procedure, candidates are asked to contact the FORTH/ICE-HT Research Secretariat, e-mail: kleanthi@iceht.forth.gr, tel.: +30 2610 965278.

For information and questions about the advertised position and the research activity of the group or the Institute, candidates are asked to contact Dr. Dimitris Niakolas, tel: +30 2610 969540, e-mail: niakolas@iceht.forth.gr.

General Protection Data Regulation

FORTH is compliant with all legal procedures for the processing of personal data as defined by the Regulation EU/2016/679 on the protection of natural persons with regard to the processing of personal data.

FORTH processes the personal data and relevant supporting documents that you have submitted to us. Processing of that data is carried out exclusively for the needs and purposes of this specific call. Such data shall not be transmitted to or communicated to any third party unless required by law.

FORTH retains the above data up to the announcement of the final results of the call, unless further process and reservation is required by law or for purposes of exercise, enforcement, prosecution of certain one's legitimate legal rights' as defined in the Regulation EU/2016/679 and/or in national law.

We inform you that under the Regulation EU/2016/679 you have the rights to be informed about your personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws.

We acknowledge also to you, that you have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of your personal data protection rights, you may contact the Data Protection Officer at FORTH at dpo@admin.forth.gr.

You have the right to withdraw your application and consent for the processing of your personal data at any time. We inform you that, in this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.

For FORTH/ICE-HT,

Vasilis Burganos
Director

