HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT
GENERAL SECRETARIAT FOR RESEARCH & INNOVATION

FOUNDATION FOR RESEARCH & TECHNOLOGY - HELLAS
INSTITUTE OF CHEMICAL ENGINEERING SCIENCES

Patras, 21.11.2025
Ref. No.: 201744

Invitation for Expression of Interest:
Postdoctoral Research Assignment "Advanced physicochemical and electrochemical characterization of modified Ni-based electro-catalysts/electrodes for Solid Oxide Cells under steam electrolysis conditions (SOECs)"

The Institute of Chemical Engineering Sciences, Foundation for Research and Technology - Hellas, (FORTH/ICE- HT) is seeking applicants for one postdoctoral research assignment in the context of the research project "Novel SOE architectures for hydrogen production (NOAH2)" - Grant Agreement number: 101137600, which is implemented under the HORIZON EUROPE, HORIZON-JTI-CLEANH2-2023-1.

Job Description
To conduct research under a work assignment or a fixed-term employment contract in the framework of the aforementioned project "Novel SOE architectures for hydrogen production _ Project acronym: NOAH2 _ P. No 101137600". The aim of this research is to understand the degradation and lifetime operation fundamentals of new Solid Oxide Cell (SOC) fuel electrodes, developed with novel chemical synthesis methods, at high (750 – 900 °C) and intermediate (600 – 750 °C) temperature H_2O electrolysis and fuel cell operation conditions.

Location: FORTH/ICE-HT, Patras, Greece
Duration: up to 3 months, with the potential of renewal or extension according to the needs of the project
Fellowship: up to approximately 2.400 € per month (total cost of the employer, including social security and taxes) depending on the qualifications and time devoted to project
Envisaged starting date: 01/01/2026

Requirements and Qualifications
- Hold a Diploma in Chemical Engineering.
- PhD Thesis in the field of Chemical Engineering, relevant to the topic of the research assignment.

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- Research experience, of at least 3 years after obtaining the PhD diploma, in the investigation of materials and electrochemical processes for the production of H_2 and/or electrical energy for the reported processes in the topic of the research assignment.
- The interested candidates must be fluent in both Greek and English (at least B2 level).

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

Qualifications	Weight	Evaluation criteria & Points
Research experience in electrochemical processes for the production of H_2 and/or electrical energy	**30**	Duration of the proven research experience in characterization techniques: 5 points per 6 months, up to 30 points
Experience in physicochemical characterization techniques	**30**	Duration of the proven research experience in characterization techniques: 5 points per 6 months, up to 30 points
Scientific publications in international peer-reviewed journals, relative to the subject of the Research Assignment	**20**	1 point / publication, up to 20 points
Relevance of the PhD thesis to the subject of the research assignment	**20**	Weak relevance = 10 points, Medium relevance= 15 points, Strong relevance = 20 points
TOTAL	**100**	

Application Submission
Interested candidates who meet the aforementioned requirements should submit their applications, no later than 1/12/2025, 16.00h., by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr, cc: niakolas@iceht.forth.gr
In order to be considered, the application must include:

- Application letter
- CV
- Scanned copies of academic titles and language knowledge certificates
- Employer's certificate and any other official documentation of the required experience
- Copy of PhD Thesis

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.
Interview Criteria:

(a) Background in the objective of the assignment (5 points). (b) Organizational and communication skills (5 points). (c) Team-spirit and self-motivation (5 points). (d) Commitment to achieving the goals (5 points)
The outcome of the selection will be announced on the website of FORTH/ICE-HT as well as on the website of "DIAVGEIA".
In case of titles and qualifications awarded by foreign Higher Education Institutions, the provisions of the Law 55/2023 (article 36) and 4957/2022 (article 304) are implemented.

Selection Announcement
The result of the selection will be announced on the website of FORTH/ICE-HT.
Candidates have the right to appeal the selection decision, by addressing their written objection to the FORTH/ICE-HT Research Secretariat, e-mail: kleanthi@iceht.forth.gr, within five (5) days after the results announcement on the web.

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
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 965240, 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
Theophilos Ioannides
Director