



FORTH

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

Patras, 20.12.2022

Ref. No.: 96797

Invitation for Expression of Interest:
Postdoctoral Research Assignment “Synthesis of inorganic nanoparticles for energy storage”

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one postdoctoral research assignment in the context of the research project «Efficient materials and processes for high-energy supercapacitors for smart textiles and electromobility applications» (EMPHASIS)», Project: 101091997, which is implemented under the HORIZON Research and Innovation Actions.

Job Description

To conduct research under a work assignment or a fixed-term employment contract in the framework of the aforementioned project “EMPHASIS”. The main objective of EMPHASIS is to develop a holistic approach encompassing the design and development of (i) novel and green materials, (ii) cost-effective and sustainable processes and (iii) advanced device architectures to define a credible approach for the fabrication of next generation supercapacitors. The main objective of this position is to coordinate research for the development of inorganic nanoparticles to enhance the performance of hybrid supercapacitors.

Location: FORTH/ICE-HT, Patras, Greece

Duration: up to 6 months, with the potential of renewal or extension according to the needs of the project.

Salary: up to approximately 1800 € per month depending on qualifications (total cost of the employer, including social security and taxes)

Envisaged starting date: 01/02/2023

Requirements and Qualifications

The applicant should hold undergraduate B.S. in Chemistry or relevant field and have a Master’s degree in Chemistry or Inorganic Chemistry or Materials Chemistry. Candidates are required to hold a PhD in Inorganic Chemistry or Materials Chemistry. Experience with synthesis and characterization of inorganic crystals would be strongly favored. Participation in previous research projects would be favored. Candidates must be fluent in Greek language and have a very good knowledge of English (level C1) language.

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



Qualifications	Weight	Evaluation criteria
Proven experience in inorganic crystals synthesis / characterization and education	30	1 point per month up to 30 points
Publications in peer-review international journals & publications in conference proceedings on inorganic materials science	20	Number of relevant publications in peer-review international journals & in conference proceedings: 2 points/publication, max 20 points
PhD thesis relevant to inorganic materials synthesis	20	Degree of relevance: strong relevance: 20 points, medium relevance: 12 points, weak relevance: 8 points
Interview	20	(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).
Participation in research projects	10	5 points for each, up to 10 points
Overall	100	

Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 3/1/2023, 16:00h., by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr.

In order to be considered, the application must include:

- Application letter
- CV
- Scanned copies of academic titles & English language certificate
- Copies of publications in peer-reviewed international journals & in conference proceedings
- Copy of PhD thesis
- Employer's certificate and any other official documentation of the required experience

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.

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, 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 Professor Spyros Yannopoulos: Tel.: 30 2610 965252, email: sny@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

