

INCEPTION Doctoral Network

Inspiring new doctorate candidates to empower the production of interconvertible and optimized zinc-based batteries and supercapacitors

HORIZON EUROPE – Marie Skłodowska-Curie Actions – Doctoral Networks 2024

HORIZON-MSCA-2024-DN-01-01

Grant Agreement N°. 101226853

EURAXESS TEMPLATE

Title of the EURAXESS publication: **INCEPTION Doctoral Network – Doctoral Candidates Vacancies**

MSCA Doctoral Candidate Vacancy: DC15: Development of zinc-air battery cells utilizing wood-based carbon nanostructures

Organisation/Company

Centre for Research and Technology Hellas (CERTH)

Department

Chemical Process and Energy Resources Institute (CPERI)

Research Field

Chemistry » Electrochemistry

Engineering » Chemical Engineering

Researcher Profile

First Stage Researcher (R1)

Positions

PhD Position

Country

Greece

Application Deadline

October 12th, 2025 - 23:59 (CET)

Type of Contract

Temporary

Job Status

Full-time

Hours Per Week

40

Offer Starting Date

May 2026

Is the job funded through the EU Research Framework Programme?

Horizon Europe - MSCA

Reference Number

101226853

Marie Curie Grant Agreement Number

101226853

Is the Job related to staff position within a Research Infrastructure?

Yes

Offer Description:

The INCEPTION – Doctoral Network aims to face zinc-based energy storage development by (i) exploring the innovative idea of supporting the development of rechargeable batteries (RB) and supercapacitors (SC) by early addressing recycling & manufacturing within Safe and Sustainable by Design framework, and (ii) by exploiting excellent expertise and advanced

technologies at leading universities, research centers, enterprises, and associations across EU, UK, India and Brazil.

Simultaneously, INCEPTION addresses the significant shortage of young generation talents in this field by providing an excellent triple-i (interdisciplinary / intersectoral / international) research and training network to Doctoral Candidates, with a focus on (a) training-through-research, (b) knowledge sharing, and (c) developing novel materials for RB and SC and new workflows for effective recycling & manufacturing, as well as potential business marketing for technological outcomes.

It is expected that the Doctoral Candidates (DCs) trained within INCEPTION will maximize their ability to convert new knowledge / ideas into products and services for the industrial, social, and economic benefit, and thereafter become the future leaders in academia, industry, and the public sector.

Organization:

Centre for Research and Technology Hellas (CERTH)

Where to apply:

Applications are online and must be submitted in English. Each applicant might apply to at most three different DC vacancies.

The application takes two steps:

- 1) Register the application by filling-in and submitting [this dedicated form](#)
- 2) After registering the application, email (to cesam-inception@ua.pt) a single pdf file that merges the following documents in this order:
 - Identification document (passport or European ID card)
 - Detailed academic CV in [EUROPASS format](#)
 - Motivation letter (max. 1 page) + the contact (Name, email, institutional affiliation) of a reference person who endorses the application
 - Digital copy of the Diplomas + the official English transcript of the academic degrees and academic records. (In the case an applicant doesn't hold the official transcript at the moment of application, he/she can submit a regular transcript signed by him/her, and present the official transcript for hiring and PhD enrollment, in the case the applicant is selected for the DC vacancy).
 - Certificate of English Proficiency (e.g., IELTS, TOEFL. This requirement does not apply to native English speakers nor to applicants that underwent formal education in institutions with English as the official language).
 - Any additional documents required to meet the requirements of the targeted Recruiting Institution

(Please use "**surname_name_DC.pdf**" as the file name, and "**“INCEPTION DC APPLICATION”** as the topic of the email)

Requirements:

Research Field

Chemistry, Materials Science, Chemical Engineering or other related fields

Eligibility to apply for admission to doctoral studies is granted to candidates who meet the following conditions:

1. The candidate must not have been awarded a PhD Degree.
2. Holds a Master's Degree (MSc) and have a first-cycle degree in Chemistry **OR** a MSc in Chemistry, Materials Science, Chemical Engineering or other related sciences **OR** a single and undivided degree of postgraduate level (integrated Master's) in Chemistry, Materials Science, Chemical Engineering or other related sciences.
3. Proficiency in written and spoken English is required and must be formally demonstrated.

4. Both the Bachelor's and Master's Degrees must be awarded by academic institutions officially recognized by the [Hellenic National Academic Recognition and Information Centre \(Hellenic NARIC\)](#). Official recognition is automatically granted if the Degrees have been awarded by academic institutions listed in the following Hellenic NARIC registry: <https://mitroa.doatap.gr/>. If the awarding institution of either the Bachelor's or Master's Degree (or both) is not included in the aforementioned registry, an official recognition certificate for the respective Degree(s) is required from Hellenic NARIC.

Education Level

Master's Degree or equivalent

Languages

ENGLISH

Level

Excellent

Additional Information:

Benefits

- Living allowance of €4010/month corrected with the country factor of the recruiting institution
- Mobility allowance: of €710/month
- Family allowance of €660/month (if applicable)
- Special needs allowance (if applicable)

National and institutional taxes, and social contributions apply to all DC fellowships and will be deducted from the allowances.

A PhD training programme is part of the agreement.

Eligibility criteria

- All interested applicants who meet the eligibility requirements (irrespective of age, gender, race, disability, religion or ethnic background) are encouraged to apply.
- Prospective Doctoral Candidates must comply with the following requirements:
- Not be in possession of a doctoral degree at the date of recruitment. (Researchers who have successfully defended their doctoral thesis but have not yet formally been awarded the doctoral degree will not be considered eligible)
- Mobility Rule. Applicants must not have resided or carried out their main activity (work, studies, etc.) in the country of the recruiting Host Institution for more than 12 months in the 36 months immediately before the recruitment date. (Compulsory national service, short stays, such as holidays, and time spent as part of a procedure for obtaining refugee status under the Geneva Convention are not considered)
- Fulfil the requirements to enroll the doctoral programme at the Host Institution / Country
- Be full-time dedicated to the project
- Be willing to spend a prolonged period in another institution / country of the network during the Ph.D. thesis period.

Selection process

- *Eligibility check:* Each application will be checked to assess whether it complies with all the Eligibility Criteria. Applications that do not meet the eligibility criteria will be dismissed from evaluation process.
- The *evaluation process* for a DC vacancy is conducted by a Local Recruitment Committee. The Local Recruitment Committees are composed by at least 3 and at most 5 persons: The Supervisors of the DC vacancy, and a representative of an institution that will host a secondment for the DC vacancy.

Evaluation comprises three steps: Shortlisting, Interviews and Final Selection. In each step, the applications are going to be scored in a scale of 0 to 20 points.

Shortlisting: The eligible applications for a DC vacancy will be assessed according to the following criteria and weights:

Professional / scientific experience (60%)

Motivation letter (40%)

Only the applications that score at least 12 points in the shortlisting will be invited to the interview.

Interviews: An online interview session of about 20 minutes will be scheduled per application. The interview will be in English.

Performance in the interview will be assessed with a focus on these indicators: relevance and quality of research experience, background knowledge / experience related to the research goals of the INCEPTION network, motivation and suitability for PhD, full-time availability for a PhD in a foreign country and for abroad secondments, communication skills.

Final selection: The final score of an application will be calculated according to the following criteria and weights:

Professional / scientific experience (30%)

Motivation letter (20%)

Interview (50%)

The applications with a final score of at least 12 points are eligible to hiring and will be rank-ordered from the highest to the lowest score. The application selected for a given DC vacancy will be the one with the highest score. In the case this applicant is not available, the second-best ranked application will be selected, and so on and so forth.

- **Notification and offer:** The list with the final rank-order will be emailed to the applicants that underwent the evaluation process. The applicant selected for a given DC vacancy will be invited aboard.
Each Recruiting Institution might request different documents to proceed with hiring the selected applicant (such as a work visa, proof of equivalence of academic degree in the recruiting country, for instance), depending on its local and / or national rules. The hiring process is dealt with locally at the Recruiting Institution.
- **Empty DC vacancy:** In the event a DC vacancy remains empty either for unavailability of all the selected applicants, or for absence of eligible applications, a new recruitment round for this DC vacancy will ensue, conducted by the Local Recruiting Committee. Such a new round will take place by no later than June 2026 and is going to be published on Euraxess.

For information you can contact:

Dra. Marília Carvalho, cesam-inception@ua.pt

Work Location

Number of offers available

1

Company/Institute

Centre for Research and Technology Hellas (CERTH)

Country

Greece

State/Province

Thessaloniki

City

Thessaloniki

Postal Code

GR 57001