CeNT-22-2024

Director of Centre of New Technologies of the University of Warsaw announce opening of the competition for the position of research and technical specialist in the project of Dr Karol J. Fijalkowski – Centre of New Technologies of the University of Warsaw.

JOB OFFER

Position in the project:	**Research and technical specialist**
Laboratory:	Project of Dr. Karol J. Fijalkowski
Scientific discipline:	Chemical sciences
Keywords:	Ionic conductivity, solid electrolyte, Li-ion batteries, impedance spectroscopy, ammonia borane derivatives, borohydrides
Job type (employment contract/stipend):	Employment contract
Part-time/full-time:	Full-time
Number of job offers:	1
Remuneration amount/month:	6500 PLN gross gross
Position starts on:	1 September 2024
Maximum period of employment:	7 months
Institution:	Centre of New Technologies, University of Warsaw
Project leader:	Dr. Karol J. Fijalkowski
Project title:	SOLID Li-ION. Novel light-weight lithium conductors to be used as solid electrolytes in Li-ion batteries. https://projekty.ncn.gov.pl/index.php?projekt_id=418737
Competition type:	Sonata Bis 8
Financing institution:	NCN
Project description:	SOLID Li-ION considers design, synthesis and characterisation of novel light-weight lithium conducting materials as potential new class of solid electrolytes suitable for solid-state Li-ion batteries. https://projekty.ncn.gov.pl/opisy/418737-en.pdf
Key responsibilities include:	Member of the technical staff will conduct EIS measurement, monitor the results and prepare scientific reports focused on construction of lithium-ion cells comprising solid electrolyte material from the groups of Li-B-N-H and Li-B-H exhibiting lithium ionic conductivity, which were obtained earlier within the project. The member of the technical staff will work on optimisation of the construction of the measurement equipment (IMPED CELL). During the project, the tasks may be modified or extended.

Profile of candidates/requirements:	The competition is open for persons who meet the conditions specified in regulations on the allocation of resources for the implementation of tasks financed by the National Science Centre for SONATA BIS 8 grant. The candidate should have MA of MSc and experience in EIS measurements and design of measurement equipment prior to start of the engagement in the project. The candidate should: – be experienced either in electrochemistry or in product design; – highly motivated and independent in planning and conducting research; – have scientific publications; – speak English fluently to ensure proper communication; – be able to work in group; – be fully dedicated to the project. Ranking list would be made judging: – academic achievements, i.e. scientific publications, patents, conference talks and posters, etc. – research experience, i.e. participation in scientific projects, internships, stipends, awards, etc. – competence related to the project, i.e. experience in EIS measurement, experience in design of scientific equipment, experience in work with ammonia borane, ammonia borane derivatives or borohydrides (supported by publication records), laboratory experience (e.g. work in glovebox, mechanochemistry, etc.), fluent English (at least C1). The following will be considered an asset: – experience in materials chemistry, especially considering inorganic chemistry – experience in EIS spectroscopy and battery research – inventiveness (patents, patent applications) – knowledge of other languages (apart from mother tongue) – supervision of younger students in the past Selected candidates may be invited for an interview (in person or zoom). Competition may be closed with recommendation of no candidate if all the applicants would not fulfill the requirements or represent insufficient academic level.
Required documents:	1. Cover letter 2. Current curriculum vitae 3. List of publications (published and submitted), patents (or application) and scientific conferences 4. List of scientific projects (lead or participated), awards, internships, etc. 5. Recommendation letter from the prior supervisors (optional) 6. Signed information on the personal data processing, available at: http://bsp.adm.uw.edu.pl/bsp/druki-i-formularze/ 7. Declaration confirming that the candidate has read and accepted the rules of conducting competitions, covered in the following documents: Order of the Rector of UW No. 106 Par. 119, 122 of the UW Statutes Resolution No. 443 of 26 June 2019
Enquiries related to the position:	karol.fijalkowski@cent.uw.edu.pl
We offer:	Participation in the project regarding ionic conductivity in solid state, possibility to learn unique methods of chemical analysis, work in friendly environment, possibility for scientific self-development
Please submit the following documents to:	careers@cent.uw.edu.pl with 'CeNT-22-2024' as the email title
Application deadline:	31 July 2024
Date of announcing the results:	14 August 2024
Method of notification about the results:	email, websites (UW, CeNT, MNiSW)