

Position in the project:	MSc student
Scientific discipline:	Materials science, electronic materials, electrochemistry;
Job type (employment contract/stipend):	Stipend;
Number of job offers:	1
Remuneration/stipend amount/month:	Stipend 1500 PLN/month
Position starts on:	1 st June 2022;
Maximum period of contract/stipend agreement:	7 months;
Institution:	Laboratory of Functional Materials, Faculty of Electronics, Telecommunications and Informatics, Gdańsk University of Technology, Gdańsk, Poland
Project leader:	Sebastian Molin, PhD
Project title:	Nanocrystalline ceramic materials for efficient electrochemical energy conversion <i>Project is carried out within the First TEAM programme of the Foundation for Polish Science</i>
Project description:	The aim of the project is construction of efficient devices for electrochemical energy conversion. Two research tracks will be carried out in parallel: development of intermediate temperature solid oxide cells (500 – 600 °C) and low temperature alkaline electrolyzers (AECs – Alkaline Electrolysis Cells). This position is connected to the second research track. For the electrolyzers, novel class of environmentally friendly manganese-copper oxide spinels are interesting electrocatalysts for efficient oxygen generation. Our group works on the chemical modification of the spinels by partial substitution by other transition metal elements. The novel materials will be synthesized and evaluated for their electrochemical activity.
Key responsibilities include:	<ol style="list-style-type: none"> 1. Fabrication of selected spinel oxide catalyst materials by different methods; 2. Electrochemical characterization of electrode materials towards oxygen generation; 3. Data analysis and reporting;
Profile of candidates/requirements:	<ol style="list-style-type: none"> 1. Studies in the field of materials science, chemistry, physics, electronics or similar; 2. Laboratory work experience is desirable; 3. Good working knowledge of English; 4. Motivation to work in the laboratory;
Required documents:	<ol style="list-style-type: none"> 1. CV (in Polish or English); 2. Motivational letter (in Polish or English);
We offer:	Position in a young and active group working in the field of energy conversion materials. Many opportunities for professional self-

	improvement. Possibilities to travel and gain international experience. Attendances in conferences and workshops. Work will be performed in a well-equipped lab with collaboration with other groups.
Please submit the following documents to:	sebastian.molin@pg.edu.pl
Application deadline:	Friday, 27 th May 2022 at 12.00 (Gdańsk time) *selected candidates will be notified on Friday, 27 th May 2022 at ~16.00 and invited for an interview to be carried out on Monday, 30 th May 2022
For more details about the position please visit (website/webpage address):	www page: eceramics.eti.pg.gda.pl , sofc.pl
Euraxess job/stipend offer (in case of PhD and postdoc positions):	

Please include in your offer:

“I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended.”