



ANNOUNCEMENT

DIRECTOR OF THE CENTRE FOR ORGANIC AND NANOHYBRID ELECTRONICS
OF THE SILESIAAN UNIVERISTY OF TECHNOLOGY

announces the competition for the postdoctoral position
in the field of Organic π -Conjugated Functional Molecules as Materials for Optoelectronics
with the rank of Assistant Professor (M/F) or Assistant Researcher (M/F)

at the Centre for Organic and Nanohybrid Electronics (CONE)
of the Silesian University of Technology in Gliwice, 2A Akademicka St.

Job Description:

We seek for outstanding and enthusiastic researchers with strong expertise in the synthesis and characterization of organic/organometallic compounds (ideally, π -functional compounds for electronic/optoelectronic applications), and a proven record of high quality research and achievements, to be a part of interdisciplinary research team on development of photo/electroactive organic π -functional molecules as materials for optoelectronics. The successful candidates will work in the group of Prof. Igor Perepichka on the NCN (Narodowe Centrum Nauki, Poland) OPUS project toward development of novel semiconductive and light-emitting molecules based on azatriangulene core and related structures.

Terms and Conditions of Employment:

- 1) Persons, who meet the requirements specified in the Act of 20 July 2018 on Higher Education and Science (Journal of Laws of 2018, item 1668, as amended) and the Statute of the Silesian University of Technology of 3 June, 2019 (Legal Monitor of SUT of 2020, item 339) may enter the competition for the position of assistant professor.
- 2) Estimated work commencement date: **immediately**.
- 3) Workplace: Centre for Organic and Nanohybrid Electronics (CONE), group of Prof. Igor F. Perepichka. Position is related to a research project financed by the National Science Centre, Poland, no. 2023/51/B/ST5/03009, entitled *Novel Azatriangulenes as Electron Donor and Electron Acceptor C₃-Symmetry Cores for Design of π -Functional Materials in Organic Electronics*.
- 4) Contract type: fixed term, full-time job, **available immediately**; minimum 6 months with the possibility for an extension up to 20 months, although the employment must end no later than 29/07/2028 (subject successful initial 6-months probation period).

- 5) Rank of an employment: Assistant Professor (M/F) or Assistant Researcher (M/F), depending on qualification.
- 6) Number of vacancies: 1.
- 7) Remuneration: PLN 11,660 gross per month (the amount includes all the employee's and employer's costs (employer's contributions to healthcare, pension, etc.), as well as additional annual salary), which is up to total PLN 140,000 per year.

Main Tasks and Key Responsibilities:

- 1) Design and synthesis of organic π -conjugated molecules. Their isolation and purification by various methods (crystallization, flash chromatography, sublimation, etc).
- 2) Structural characterization of synthesized compounds using the basic set of instrumental techniques: NMR spectroscopy (1D/2D), MS, FTIR, HPLC, UV-Vis).
- 3) Studies of redox-active and photoactive electron donor and/or electron acceptor π -functional materials by optical (UV-Vis-NIR absorption and photoluminescence spectroscopies), electrochemical and spectroelectrochemical methods, ESR, Involvement in other studies as required (Raman spectroscopy, XRD, DSC/TGA, electron microscopy and other methods).
- 4) Participate actively in other research and development activities on new electronic materials.
- 5) Preparation of proper records and database on performed experiments and measurements and their analysis.
- 6) Writing original research articles and reviews for publication, with a focus on publishing research results in leading journals in the field.
- 7) Involvement in grant proposal preparation.
- 8) Develop project plan and execute scientific programme in a timely manner.
- 9) Reporting the progress of research to Prof. Igor F. Perepichka.
- 10) To be involved in mentoring and training PhD students in the group.
- 11) Provide guidance, mentor and training to working team and regular review of needs to ensure proficiency of the team.
- 12) Assist in organizing other academic activities for the project (e.g., academic speeches, conferences, meetings, publicity etc);
- 13) Other academic and managing tasks assigned by the PI.

Qualifications & Prerequisites:

- 1) PhD degree in Chemistry or an equivalent level of professional qualification and experience are essential.
- 2) PhD degree should be obtained within 7 years prior to employment on the project.
- 3) Well versed with methods of modern organic and physical organic chemistry.
- 4) Candidate should have confirmed research experience and strong background in organic synthesis of π -functional molecules and general methods of characterisations (NMR, MS, FTIR, UV-Vis, HPLC etc).
- 5) Experience in photophysical and/or electrochemical methods of studies of organic molecular and/or polymeric materials for electronics
- 6) Strong publication records relevant to organic chemistry and/or materials science.
- 7) Highly motivated researcher with strong interest in pursuing research in experimental organic materials chemistry.
- 8) Ability to resolve complex issues and make technical, and procedural decisions and judgments
- 9) An ability to work independently and as part of a multi-disciplinary team.
- 10) An ability to work under high pressure in a tight-time schedule to solve complex tasks.
- 11) Good writing skills for scientific articles.

- 12) Good interpersonal/communication skills and high level of English proficiency (both spoken and written).
- 13) Adhere to high ethical standards.

Additional Requirements (Desirable Skills):

- 1) Previous postdoctoral (post-PhD) research in other Universities or R&D experience in industry is a plus.
- 2) Research grant writing skills are desirable.
- 3) Familiarity with and/or experience in the related fields of optoelectronic materials and devices.
- 4) Industrial experience or collaboration with industry.
- 5) International experience at universities abroad.

Benefits:

- 1) Full-time employment contract with the rank of Assistant Professor or Assistant Researcher position (depending on the qualification) at the Centre for Organic and Nanohybrid Electronics (CONE);
- 2) Favourable financial conditions: internationally competitive salary commensurate with qualification and experience, in line with NCN salary scale for postdoctoral researchers.
- 3) Work in the interdisciplinary team on organic electronic materials
- 4) Work in a friendly and supportive environment that cares about the employee's quality of life.

Prospects for Professional Development:

- 1) Work in reputable international research team.
- 2) Developmental research topics with a large impact on science.
- 3) Joint interdisciplinary research involving the acquisition of skills in other areas.

How to Apply:

Prospective candidates should make formal application by e-mail entitled OPUS-Postdoc to:

Prof. Igor Perepichka (igor.perepichka@polsl.pl) and submit the following documents (as PDF files):

1. Cover letter with an explanation of your interest in the position and statements confirming the fulfilment of general and additional requirements.
2. Detailed Curriculum Vitae (CV) which includes information on your education, work/career (with no gaps, MM.YY-MM.YY), experience, gained skills, achievements/awards, list of publications and contact details of minimum three professional referees. Add your professional links (e.g. ORCID, WoS, Scopus, GoogleScholar, ResearchGate, LinkedIn), your h-index and number of citations on your work. For your instrumental skills/expertise, indicate separately your hands-on experience with instruments or ability to workup/interpret the collected data. Indicate title of your PhD Thesis and supervisor.
3. A brief research statement regarding the past and present research (2-3 pages).
4. Copies of at least three the most important publications where your contribution to the work was significant (you can add more, if you wish).
5. Copies of PhD / MSc / BSc diplomas or equivalents.
6. Candidate's declaration that the Silesian University of Technology will be the primary place of work.
7. Consent for processing personal data of the candidate expressed as "I consent to the use of my personal data by the Silesian University of Technology for the purpose of processing my job application".
8. If shortlisted, you must arrange that your referees send their letters of recommendation (minimum 2) directly to igor.perepichka@polsl.pl

If you have any questions regarding these positions, you can write informally with your question(s) to Prof. Igor Perepichka (igor.perepichka@polsl.pl).

The closing date for applications is 17 October, 2026 (11:59PM CET).

The expected date for publication of the outcome is 28 October, 2026.

Incomplete or late applications will not be considered.

Next steps: The initial selection of candidates will take place shortly after this date; shortlisted candidates will be notified ASAP and will be invited for an online interview on the appointed date. The assessment for the post among the shortlisted candidates will include a presentation of your work during your PhD and/or postdoctoral studies.

Please be informed we are only able to notify the shortlisted candidates about the outcome.

Postdoctoral positions are available immediately and we expect that successful candidates to be able to start work as soon as possible.

Informative Clause

According to art. 13 of the Regulation on Personal Data Protection of 27 April 2016, please be informed:

- 1) The controller of your personal data is the Silesian University of Technology with its registered office at Akademicka 2A St, 44-100 Gliwice;
- 2) The Silesian University of Technology has appointed the Data Protection Officer who can be contacted via the email address: iod@polsl.pl;
- 3) Your personal data will be processed in order to carry out the recruitment process for work at the Silesian University of Technology;
- 4) the basis for the processing of your personal data is art. 221 of the Labour Code and, if you agree to use your CV in future recruitments at the Silesian University of Technology, art. 6 clause 1 point a of the GDPR Regulation shall apply;
- 5) only employees authorized to process personal data to the necessary extent will have access to your personal data within the organizational structure of the Silesian University of Technology;
- 6) Your personal data shall not be disclosed to other entities, except in cases provided for by law;
- 7) Your personal data shall be stored for the period necessary to carry out the recruitment process or for the next 9 months from the end of the recruitment process, if you authorize the processing of personal data in future recruitment processes;
- 8) You have the right to request the access to the content of your data and, to the extent provided for by applicable regulations, the right to: rectify, delete, limit processing, raise objections; if you consent to the processing of data, you have the right to withdraw your consent at any time;
- 9) You have the right to lodge a complaint with the President of the Office for Personal Data Protection, if you feel that the processing of your personal data violates the provisions of the General Data Protection Regulation;
- 10) providing data is voluntary, but necessary to achieve the purposes for which they are collected.

Director of the Centre for Organic and Nanohybrid Electronics
prof. dr hab. inż. Mieczysław Łapkowski