

FORM FOR EMPLOYERS

INSTITUTION Łukasiewicz Research Network – PORT Polish Center for Technology Development

CITY Wrocław

POSITION Area Leader - Director of the Materials Science & Engineering Center (m/f)

POSTED 08.07.2026

EXPIRES 07.08.2026

WEBSITE <https://port.lukasiewicz.gov.pl/kariera/oferty-pracy/>

Mandatory requirements

The candidate should have:

- a habilitation degree, professorial title, or equivalent scientific, technological or implementation-related achievements; equivalent experience gained in a recognized R&D organization, research institute or high-tech industry may also be considered;
- documented achievements in materials science and engineering, semiconductors, functional materials, photonics, optoelectronics, nanotechnology, thin-film technologies or related fields;
- experience in leading research, technological or interdisciplinary R&D teams;
- proven ability to integrate teams with different competence profiles, including scientists, engineers, technologists, equipment specialists and external partners;
- experience in securing external funding, including large national or international grants, European projects, industrial contracts or consortium projects;
- experience in conducting projects in cooperation with universities, research institutes, scientific partners or industry;
- good knowledge of research and innovation funding mechanisms in Poland and Europe, including, where relevant, NCN, NCBR, FENG, Horizon Europe, EIC, ERC, MSCA, Digital Europe, Chips JU or comparable instruments;
- ability to combine high-quality basic research with applied research and commercially oriented R&D activities.

Strategic Expectations

The candidate is expected to present a realistic and coherent vision for the development of the Materials Science & Engineering Center. This vision should show how the Center can become a recognizable R&D unit in semiconductors, functional materials and application-oriented materials technologies.

The concept should include:

- an assessment of the current competences of the Center;
- a proposal for integrating existing research groups, laboratories and infrastructure;
- a development plan for semiconductors, compound semiconductors, photonics, optoelectronics and functional materials;

- proposals for large grant and consortium projects to be pursued in the coming years;
- a strategy for securing external funding from national, European, international and industrial sources;
- a plan for more effective use of clean room facilities, thin-film, micro- and nanofabrication infrastructure, and materials characterization equipment;
- a model for cooperation with industry and technology partners;
- a plan for strengthening the national and international recognition of the Center;
- actions aligned with the long-term development plans of Łukasiewicz – PORT;
- an initial action plan for the first 12, 24 and 36 months.

Will be an advantage

- experience in compound semiconductors, especially III–V structures, nitrides, AlGaN/GaN, AlGaInN, DUV emitters, optoelectronics, photonics or photonic integrated circuits;
- familiarity with epitaxy, thin-film technologies, clean room processes, micro- and nanofabrication, and advanced materials characterization;
- experience in developing research and technological infrastructure;
- experience in technology transfer, intellectual property protection, commercialization or industry-driven R&D projects;
- international visibility demonstrated by publications, invited lectures, participation in conference committees, research networks or international projects;
- experience in mentoring research leaders, early-career scientists, PhD students and technology teams;
- ability to create a culture of cooperation between research groups rather than internal competition;
- experience in building a long-term project portfolio combining research grants, applied projects and R&D contracts;
- understanding of European semiconductor development directions, including initiatives related to Chips JU and semiconductor competence building in Europe.

Job description

Łukasiewicz – PORT is seeking a Director of the Materials Science & Engineering Center to provide strategic, scientific, organizational and financial leadership for the Center. The role focuses on developing a coherent R&D programme in semiconductors, compound semiconductors, functional materials, photonics, optoelectronics, thin-film technologies, micro- and nanostructures, and advanced materials technologies.

The successful candidate will be expected to integrate existing scientific, technological and infrastructural competences, strengthen cooperation between research groups, and build a strong portfolio of competitive national, European, international and industrial projects. The development of semiconductors and functional materials should be aligned with the long-term development plans of Łukasiewicz – PORT and the strategic directions of the Łukasiewicz Research Network.

Daily tasks

- Support the R&D Director in executing the strategic initiatives of the Łukasiewicz Center.
- developing and implementing the strategy of the Materials Science & Engineering Center in line with the long-term development plans of Łukasiewicz – PORT;
- shaping key research and technology directions in semiconductors, compound semiconductors, functional materials, photonics, optoelectronics, thin-film technologies and micro-/nanostructures;
- integrating multidisciplinary research, technological and engineering teams around common development goals;
- building a coherent project portfolio, including scientific, applied, industrial and infrastructure-oriented projects;
- initiating large national, European and international grant applications, including consortium-based projects;
- developing cooperation with academic institutions, research institutes, high-tech companies and industrial partners;
- supporting research group leaders, early-career researchers, PhD students and technology teams;
- ensuring effective use of the Center's infrastructure, including laboratories, clean room facilities, thin-film technologies, micro- and nanofabrication tools, and materials characterization equipment;
- strengthening the financial sustainability of the Center through grants, R&D contracts, research services and industrial collaboration;

Assignment for the Next Stage of Recruitment

At the next stage of recruitment, candidates will be asked to present their own concept for the development of the Materials Science & Engineering Center, with particular emphasis on:

- development of competences in semiconductors and functional materials;
- integration of multidisciplinary teams;
- strategy for obtaining large national, European and international grants;
- use and further development of existing research infrastructure;
- cooperation with industry and high-tech partners;
- building a financially sustainable R&D unit;
- strengthening research group leaders and developing internal competences;
- measurable goals for the first 12, 24 and 36 months.

The concept should be consistent with the long-term development plans of Łukasiewicz – PORT and should demonstrate how the candidate intends to combine basic research, applied research, technological development and industrial cooperation.

We offer:

- Full-time employment on the position of Area Leader.
- Work in a scientific research organization focused on the implementation of innovative R&D projects.
- Co-financing for private medical care.
- Co-financing for a sports card.
- Possibility to join group life insurance.
- Co-financing under the Social Benefits Fund (for holidays and Christmas).
- Work on the territory of a green science campus.
- Free parking space.
- Additional 10 days of paid leave per year.

If you are interested, please apply via the link below:

<https://system.erecruiter.pl/FormTemplates/RecruitmentForm.aspx?WebID=9e06cb6488e84d139ccc508fd9202f18>

We kindly inform you that the controller of your personal data is Network Institute operating under the name of Łukasiewicz Research Network – PORT Polish Center for Technology Development, Stabłowicka 147, 54-066 Wrocław, Poland. The data contained in job application will be processed for the purposes of the current recruitment process, and – if the consent is given – for the purposes of future recruitment. We kindly inform you about your right to access your data and correct it, as well as your right to withdraw your consent to data processing at any time without the impact on the compliance with the law of the processing performed on the grounds of consent given before withdrawal thereof. Providing personal information is voluntary.

More information on the protection of personal data: <https://port.lukasiewicz.gov.pl/en/data-protection/>

Information about candidates applying for the above role is public information in the scope covered by the requirements specified in the recruitment announcement. Information on the result of the recruitment process, including the job position for which the recruitment was carried out, the name or names and surname of the selected candidate and his place of residence within the meaning of the provisions of the Act of 23 April 1964 – Civil Code as well as the justification of the candidate's selection or not employing any the candidate will be made public in accordance with the Act of February 21, 2019 on the Łukasiewicz Research Network.

We kindly inform you that we will contact only selected candidates.