

HORIZON 2020

13-14 November 2019, Warsaw

Space International Information Day & Brokerage Event

7th edition

ORGANIZERS:



UNIVERSITY
OF WARSAW



PARTNERS:



Creo TECH
Instruments S.A.



HONORARY PATRONAGE:



Ministry of Science
and Higher Education
Republic of Poland



MINISTRY
OF ENTREPRENEURSHIP
AND TECHNOLOGY

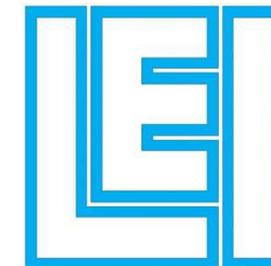


POLISH
SPACE
AGENCY

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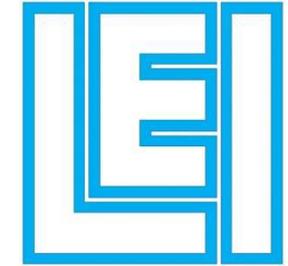


Topics that we are interested in



Space technologies, science and exploration

- SPACE-10-TEC-2018-2020: Technologies for European non-dependence and competitiveness
- SPACE-11-TEC-2018: Generic space technologies
- SPACE-16-TEC-2018: Access to space



LEI at a glance

CORE COMPETENCES

Environmental
Engineering

Research on
Energy
Technologies

Energy
Systems and
Economy

Thermal
Engineering &
Metrology

Materials
Science

TECHNOLOGICAL CAPACITY

11

Laboratories

96

Scientists

50

Researchers

250+

Team

PROFILE

One of the largest research centres in the Baltic States performing research in energy, advanced materials, hydrology and other horizontal fields. We offer know-how and well-equipped labs for research and testing.

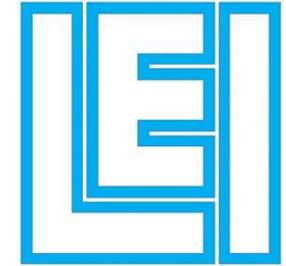




Presentation of the organisation / project idea

Competences





Other research possibilities

- High and low temperature plasma processing of metals, polymers, organic and other substances in vacuum and atmospheric pressure
- Films of various metals, semiconductors, oxides, hydrides and other materials in inert and reactive gas environment
- Sample topology (SEM, optical microscopy, AFM and stylus profilometry) analysis
- Crystal structure analysis at room and elevated temperatures (in-situ XRD in vacuum or selected gas environment with temperatures up to 1500 °C)
- Elemental and chemical composition analysis starting from the very top surface atomic monolayers (AES, XPS), through micrometre (EDS) and up to millimetre scale (GDOES)
- More specialised characterisation such as ionic-electronic conductivity, gas sorption kinetics, and thermodynamics, precise N₂, O₂ and H₂ amount measurements in metals, surface (micro) hardness and others