



**THE SZEWAŁSKI
INSTITUTE OF FLUID FLOW MACHINERY**
Polish Academy of Sciences
80-231 Gdańsk **ul. J. Fiszer 14**

Tel. (centr.): **58 3460881**
Tel. (sekr.): **58 3416071**

Fax: **58 3416144**

e-mail: **imp@imp.gda.pl**
www.imp.gda.pl

JOB OFFER IN RESEARCH PROJECT SONATA-BIS

*Towards superior photoactivity of TiO₂ nanotubes modified
by pulsed laser nanostructuring*
founded by National Science Centre
and realized in Department of Physical Aspects of EcoEnergy IMP PAN

SENIOR CO-INVESTIGATOR (POSTDOC)

Requirements:

- Ph.D. degree in materials science, mechanics, chemistry, physics, nanotechnology or closely related disciplines
- previous experience in nanomaterials fabrication (chemical/physical methods), their characterisation using various techniques of solid state physics/electrochemical/laser techniques (i.e. UV-vis and Raman spectroscopies, SEM, AFM, XRD, cyclic and linear voltammetry, electrochemical impedance spectroscopy)
- documented scientific achievements (e.g. at least 3 publications from JCR-journals, active participation in at least 2 international conferences)
- knowledge of English (at least at an intermediate level)
- knowledge of software dedicated for data analysis and graph preparation (e.g. Origin)
- accuracy, willingness to learn
- ability to multitask as well as contribution to team projects
- ability to work independently
- experience in writing manuscripts and data presentation at national and international meetings
- an additional advantage will be participation in projects as Principal Investigator and co-investigator as well as research stays

Work conditions:

- Salary: 6000 PLN/month, full time job for 24 months
- Work in young and dynamically developing team
- Access to the unique experimental setups (i.e. setup for electrochemical and photoelectrochemical measurements, research setup for continuous and pulsed thermal treatment, for characterization of materials with the use of different spectroscopic techniques)
- Opportunity to perform short-term trainings in foreign partners institutions (Prof. J. Bachmann group - Friedrich Alexander University from Erlangen and Prof. N. Nedyalkov group - Institute of Electronics, Bulgarian Academy of Sciences from Sofia)
- Presentation of scientific results on the national and international conferences

If You are interested,

send Your CV containing Your scientific achievements and cover letter to:

Ph.D. DSc Eng. Katarzyna Siuzdak, e-mail: kziuzdak@imp.gda.pl, tel. +48 58 522 51 20

Deadline for application: 26.08.2020; Starting date: 1.10.2020



REGON: 000326121

NIP: 584-035-78-82

POLTAX VAT-5UE: PL5840357882

Natowski Kod Podmiotu Gospodarki Narodowej NCAGE: 0409H