



INSTYTUT MASZYN PRZEPŁYWOWYCH

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Job offer in application project No. POIR.04.01.04-00-0014/17
entitled "A versatile gas turbine micro CHP system"
financed in 2018-2021 under the Smart Growth Operational Programme 2014-2020
Priority axis IV: "Increasing the research potential"
Measure 4.1 "Research and development", Sub-measure 4.1.4 "Application projects"

Department of Turbine Dynamics and Diagnostics
Institute of Fluid Flow Machinery, Polish Academy of Sciences in Gdansk

will employ a candidate to work as a specialist on topics related to the technical diagnostics of energy microturbines

What we expect from the candidate:

- a doctorate in technical sciences in the field of mechanical engineering or in a related scientific field (obtained in 2015 or later)
- experience in conducting scientific research, including in particular in the following areas of application:
 - modelling of rotors dynamics and bearings
 - experimental research of turbomachines
 - technical diagnostics and detection of failures in turbomachines
- experience in writing scientific papers (with a history of publications in internationally recognised peer-reviewed scientific journals) and scientific achievements with not less than:
 - an H-index of 3 (according to the Web of Science citation database)
 - 5 publications (according to the Web of Science citation database)
- good knowledge of CAD/CAE software (for example, Autodesk Inventor, AutoCAD, SolidWorks, ANSYS, Abaqus, Matlab)
- good problem-solving skills in terms of engineering tasks and research & development work
- self-reliant, detail-oriented, reliable, with good interpersonal skills
- good knowledge of the English language, both oral and written

Expected additional skills of the candidate:

- has attended scientific internships in internationally recognised scientific centres or in the research and development departments of innovative companies
- has certificates confirming the knowledge of CAD/CAE software
- has some knowledge of the use of measuring devices used to carry out research on the dynamics of mechanical constructions
- the MA thesis topic or doctoral dissertation related to the topic of work carried out at the Department of Turbine Dynamics and Diagnostics IMP PAN

What we offer:

- interesting work on innovative solutions



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IBAN: 28 1130 1121 0006 5498 9520 0011

kod SWIFT: GOSKPLPW

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- good conditions for continuous improvement of professional and scientific qualifications
- opportunity to participate in scientific conferences and trainings
- full-time employment contract for 12 months
- employment starts from April 2020

Applications including a cover letter, CV, a document confirming a doctorate in technical sciences and a list of scientific achievements must be sent exclusively in electronic form to the following e-mail address: voltaeris@imp.gda.pl (until the 21st of February, 2020). Selected candidates will be invited for an interview.

Contact information:

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At the end of the CV, please add the following clause: I agree to have my personal data processed within the scope necessary for the recruitment process (in accordance with the Data Protection Act of 29 August 1977; uniform text: Journal of Laws from 2016, item 922).