

FORM FOR EMPLOYERS

INSTITUTION: **Rzeszow University of Technology – The Faculty of Mechanical Engineering and Aeronautics**

CITY: **Rzeszow**

POSITION: **assistant professor in Department of Mechanical Engineering**

DISCIPLINE: **building and exploitation of machines, mechanics**

POSTED: **October 10th, 2016**

EXPIRES: **November 10th, 2016**

PLANNED DATE OF JOB START: **November 15st, 2016**

WEBSITE: <http://wbmil.portal.prz.edu.pl/pl/konkursy/>

KEY WORDS: **tooth contact analysis, convexo-concave Novikov gears, spiral bevel gear grinding, technical drawing, 3D CAD modelling, differential geometry, designing of drive units**

DESCRIPTION (field, expectations, comments):

A candidate for the above mentioned position should meet the following requirements:

- Possess a PhD degree in the discipline of *building and exploitation of machines, mechanics*,
- meet the conditions specified in Law on Higher Education of July 27th 2005(Journal of Laws of 2005. No.164, item.1365) and §65 of the Statute of Rzeszow University of Technology,
- essential knowledge to conduct classes and research in the field of CAD systems, machine design, technical drawing
- knowledge in the field of computer analysis of gearing (discrete CAD method, analytical methods)
- very good knowledge of mathematics in particular the differential geometry which is used to describe the phenomenon in gear mesh
- knowledge of methods of mathematical modelling of gear generation
- actively involved in research on gears with convexo-concave Novikov tooth profile
- knowledge of spiral bevel gear grinding methods
- knowledge of Klingelnberg G27 spiral bevel gear grinding machine software
- possess experience in the field of designing the drive units of machines (gear transmissions, belt transmissions, ball-screw assemblies)
- good knowledge of Polish and English (C1 level), including technical English
- demonstrate the ability to conduct unsupported classes and lectures,

- comply with generally accepted ethical standards.

Required documents:

- an application to the Rector of the Rzeszow University of Technology
- CV, personal report,
- a copy of Dr Eng. Diploma,
- information about scientific achievements,
- a list of research publications,
- a candidate's statement that the Rzeszow University of Technology will be the main employer,
- a statement of consent for processing the personal data for the purposes of the recruitment procedure in accordance with the Data Protection Act of 1997 (Journal of Laws of 2002 no.101, item.926).

The documents should be submitted by **November 10th, 2016** to the Dean of the Faculty of Mechanical Engineering and Aeronautics, al. Powstańców Warszawy 8, 35-959 Rzeszów.

The University reserves the right to make the final decision whether to accept the candidature of the applicant or to reject it.

Lack of information about the decision is equivalent to rejection of the candidature.