

## **FORM FOR EMPLOYERS**

INSTITUTION ...AGH University of Science and Technology.

CITY..Krakow

POSITION lecturer

DISCIPLINE : mechanics

POSTED .....

EXPIRES .....04.05.2016 r..

WEBSITE ....www.agh.edu.pl

KEY WORDS : identification, planning experiment, signal processing, structural dynamics

DESCRIPTION (field, expectations, comments):

Requirements for the candidate:

1. PhD degree in the field mechanics or related.
2. **Documented knowledge of English at B2 level,**
3. Advanced programming level in Matlab language.
4. Ability to carry out experimental measurements independently:
  - a. Modal analysis
  - b. Vibroacoustics
  - c. Nonlinear acoustics
  - d. Propagation of guided waves
5. Good knowledge of measurement systems:
  - a. Polytec – for the high frequency wave measurements
  - b. LMS Test.Lab – for the modal analysis
6. Good knowledge of measuring apparatus
  - a. Function generators (e.g. Agilent and others)
  - b. Electrodynami c shakers (e.g. ModalShop and others)
  - c. Piezoelectric sensors (e.g. Noliac and others)

*Załącznik nr 2 do Pisma Okólnego Nr 5/2011 Rektora AGH z dnia 25 października 2011 r.*