

Title: Post-doctoral position in the field of antennas and microwave sensors - competitive salary

Offer Description: This is a postdoctoral position in Prof. Michal Mrozowski's research project: Electromagnetic Design of flexible Sensors. The goal of the project is to develop a new software tool for fast and accurate simulation-based design of sensing devices and their associated passive circuitry with carefully engineered electromagnetic properties. This post is for a researcher who will use the new tool and validate it on practical designs. The designed structures (especially sensors, on-body antennas, antennas, sensors and passive devices on flexible substrates) are to be manufactured and measured. The postdoctoral appointment is for 18-24 months, with possible extension contingent on availability of funds and research performance.

Key responsibilities include:

1. Research related to microwave sensors and antennas on flexible substrates
2. Design, fabrication and testing of novel sensors and antennas on flexible sensors
3. Report writing
4. Preparation of research papers for leading journals and conferences.
5. Dissemination of project results on workshops and conferences
6. Assisting MSc and PhD students

Researcher Profiles: First Stage Researcher (R1),

Research field: Engineering, Electrical engineering, electronics, Information and Communication Technologies,

Type of Contract: Temporary

Job Status: Full-time

Hours Per Week: 40

Application Deadline: 15-10-2017 03:00PM (The offer is valid until a suitable candidate is found - screening of applications will start on Sept 12th. Applications received after the deadline will also be accepted)

Timezone: Europe/Warsaw

Envisaged Job Starting Date: between 01-Nov-2017 and 01-June-2018



Reference Number: ?

How to Apply: E-mail with attachments (.pdf files)

– Email address for sending applications mwave@eti.pg.gda.pl

Required documents:

1. Cover letter with the description of particular skills or achievements related to the scope of the project and highlighting the experience with antenna, microwave sensor or microwave passive circuit design
2. CV with a complete list of publications
3. Copies of up to 5 most important publications in JCR journals
4. A copy of the language certificate or other evidence of fluency in English
5. A copy of the PhD thesis
6. A scan of the PhD diploma
7. Reference letters with names and email addresses (and, if possible, phone numbers) of the two academic/professional referees who may be contacted by the recruiting committee

Hiring info & work location: Gdansk University of Technology, Poland,

Organisation/Company *: Gdansk University of Technology, Faculty of Electronics, Telecommunications and Informatics

Organisation Type: Higher Education Institute

Department: Department of Antenna and Microwave Engineering

Country *: Poland

Street : Narutowicza 11/12

City: Gdańsk

State: pomorskie

Postal Code: 80-233

Prof. Micha Mrozowski's (PI) webpage:

<http://mwave.eti.pg.gda.pl/index.php?k=150>

Contact Person Email: mwave@eti.pg.gda.pl

Phone: (+48) 58 347 19 24



Required Education Level: PhD degree (obtained not earlier than January 1st, 2012) in in a technical or scientific discipline with emphasis on electromagnetism or microwave passive circuits

Skills/Qualifications:

1. Documented research experience with antennas/passive microwave circuit design
2. Experience with fabrication and measurements of antennas and/or passive microwave circuits/sensors
3. Experience with EM simulation software (HFSS, ADS Momentum, FEKO) and Matlab/Python
4. good interpersonal and communication skills, be able to work in a multi-cultural environment both independently and as a part of a team

Required Languages:

1. Fluent English

Required Research Experience

1. Very good publication record in JCR journals related to antennas and/or microwaves

Website for additional details:

<http://eminvent.com/projects.html> (English)

<http://mwave.eti.pg.gda.pl/index.php?k=150>

<http://mwave.eti.pg.gda.pl/index.php?k=204> (Polish)

Benefits: Remuneration/month: 9000 PLN , i.e. expected net income at ca. 6800 PLN. This wage is very competitive considering the cost of living in Poland. The remuneration is about twice the average salary in Poland.

Eligibility criteria:

PhD degree (obtained not earlier than January 1st, 2012) in in a technical or scientific discipline with emphasis on electromagnetism or microwave passive circuits

Selection process:

The recruitment process involves two steps

Evaluation of the applications by a selection committee



Interview with the shortlisted applicants

We reserve the right to contact only applicants selected through verification of the submitted documents and reserve the right to reject all submitted applications, if it is concluded that they do not meet the criteria.

Additional comments

The position is founded by the Foundation for Polish Science under the Team-Tech programme

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Please include in your offer:

“I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended.”



