STIPEND OFFER

Position in the project: MSc student

Scientific discipline: Information and communication technologies

Job type (stipend): Scholarship with tax free stipend

Number of job offers: 1

Stipend amount/month: (1500 PLN - tax free , i.e. expected net income at 1500 PLN)

Position starts on: June 1, 2017

Maximum period of contract/stipend agreement: 12 months

Institution : Gdansk University of Technology

Project leader: Prof. Michal Mrozowski http://mwave.eti.pg.gda.pl/index.php?k=150

Project title: EDISOn: Electromagnetic Design of flexIble SensOrs

Project description:

The goal of the project is to engage young PhDs and MSc students in the development of a software package InventSIM for fast and accurate simulation-based design of sensing devices and their associated passive circuitry with carefully engineered electromagnetic properties. The software is based on the finite-element method and employs a unique mesh deformation technique and model order reduction to enable fast optimization.

Key responsibilities include:

1. Development of a 3D visualization application of CAD based on DirectX API (with an option to be made publicly available under a permissive open source license).
2. Testing and benchmarking of the source code.
3. Report writing (at least one every 2 months).
4. Writing a MSc thesis related to the Edison project.

Profile of candidates/requirements:

1. BSc degree in informatics/electronics/telecommunications/physics
2. MSc student with interests in 3D computer graphics and DirectX API (a topic of the MSc thesis to be selected will have to aligned with the scope of the Edison project).
3. Programming in C++ or C# language.
4. Good knowledge of English.
5. Above average score in courses in programming.

Required documents:

1. CV with the description of particular skills or achievements related to the scope of the project
2. Copies of publications/student project/certificates
3. Code snippets
4. A copy of the BSc thesis
5. Transcripts of records

Please submit the following documents to: mwave@eti.pg.gda.pl

Application deadline: April 8th , 2017

For more details about the position please visit:

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

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

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."