Welcome to my homepage

THIS PAGE IS BEING RECOVERED

I am assistant professor at the Institute for Computational Civil Engineering (L-5)
I am working in the field of Computational Engineering, mostly from the point of view of developing simulation systems based on Finite Element Method. Here you will find an outline of my research and teaching activities. For detailed information on the particular subject you can use the menu on the right. Welcome.

Contact

Dr Roman Putanowicz
Institute for Computational Civil Engineering (L-5)
Cracow University of Technology
ul. Waszawska 24
31-155 Cracow
Poland

Roman.Putanowicz@L5.pk.edu.pl

tel: +48 12 628 25 69
fax: +48 12 628 20 34

For seeing me in person: Room 402, 4-th floor, building of Faculty of Electrical and Computer Engineering

My timetable
Tutoring hours for summer term 2017/2018 : Tuesday 11:45–12:30, Thursday 11.00–12:30

ORCID

orcid.org/0000-0002-5480-8553

Research

My research concentrates on selected topics related to design and implementation of scientific simulation systems for computational mechanics. In particular I am interested in:

- FEM based problem solving environment for coupled problems in application to material modling (mainly concrete)
- Finite Element mesh generation
- scientific data visualisation
- isogeometric method
- discrete exterior calculus
- problem solving environments for finite element method

There is a separate page where with more info on my research.

I am also interested in several topics related to programming as: multi-language programming (SWIG), programming in Python, Octave, Erlang, Ch, graphical user interfaces (Qt).

Science Code Manifesto

I fully endorse 

Projects

The complete list of my projects is here. Currently I am actively working on the following ones:

- ExTeNSo - Modeling of Materials' Microstructures **IMPORTANT: I am looking for students interested in participating in ExTeNSo project:**
- FEMDK - Finite Element Method Development Kit
- Modular pre-processing and post-processing environment for FEM based on Qt, Hoop3D, CGM, MOAB, OpenCASCADE and Python
- Mesh generation and manipulation tools in Python
- General polygonal mesh generator

Teaching

In summer term 2013/2014 I am teaching:

- Computational methods – 2nd year, undergraduate course, lab (in English) Course webpage

The other subjects I usually teach are:

- Computational methods – 2nd year, undergraduate course, lab (in Polish)
- Information technology – 1-st year, undergraduate course, lab
- Information technology – 1-st year, undergraduate course (in English), lectures and labs
- Engineering graphics (CAD) – 2-nd year, undergraduate course, lab
- Diploma seminar – 5-th year, undergraduate course
- Selected topics in scientific visualisation – 1-st year postgraduate course, lab
- Selected topics in Computer Science – 1-st year, graduate course (in English)
- Mathematics II – 1st year, graduate course, lab

- Applied mathematics and numerical methods – undergraduate course

Detailed information on each subject and other teaching related information can be found on this page.