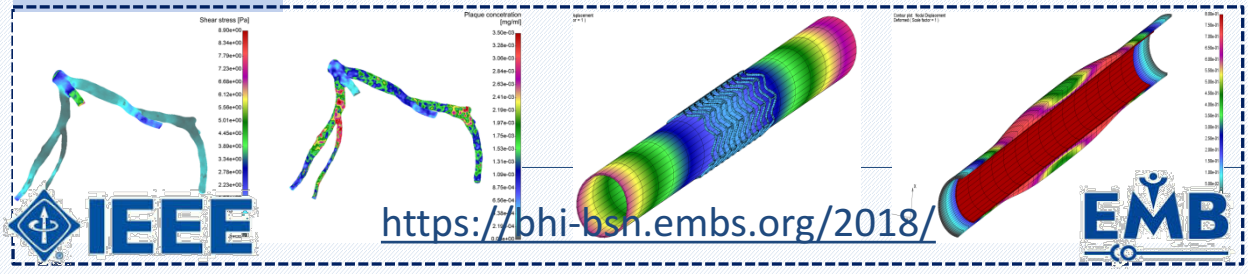
IEEE Biomedical and Health Informatics (BHI) and the Body Sensor Networks (BSN) Conferences EMB

BHI & BSN 2018

4-7, March 2018 Treasure Island Hotel & Casino, Las Vegas, Nevada – USA

Workshop/Tutorial title: Computational modelling in bioengineering and bioinformatics

Organizers	Prof. Nenad Filipovic Faculty of Engineering University of Kragujevac, Serbia
Short description	Computational modeling give opportunity for a patient-specific model in order to improve the quality of prediction for the disease progression into life-threatening events that need to be treated accordingly. This workshop lectures will present discovery of new knowledge that can improve the predictive power of the patient-model. It will support the medical expert to upgrade the accumulated knowledge into the existing model and generating an adaptive patient-specific computational tool.
Contents	**Marc Garbey**, Professor of Computational Science in Surgery, Houston Methodist Hospital and Weill Cornell Medicine **Vascular Adaptation: Challenges and Opportunities** **Milos Kojic**, Houston Methodist Hospital, Texas, USA **A multicompartment computational finite element model for drug distribution which directly couples concentrations in blood vessels and cell interior** **Dan Krsmanovich**, CEO of CardioMed Technology Consultants Miami, FL, USA **Computational modeling for peripheral artery stent** **Paolo Decuzzi,** Professor of Biomedical Engineering at the Italian Institute of Technology: **Nanoconstructs for Precision Medicine: the in silico drives the in vivo** **Nenad Filipovic,** Professor at Faculty of Engineering, University of Kragujevac, Serbia **Computational modeling of atherosclerosis**
CVs of the organizers	**Prof. Nenad Filipovic** is Head of Center for Bioengineering at University of Kragujevac, Serbia. His research interests are in the area of biomedical engineering, cardiovascular disease, fluid-structure interaction, biomechanics, multi-scale modeling, data mining, software engineering, parallel computing..



IEEE https://bhi-bsn.embs.org/2018/ EMB