

18th International Conference "Computational Problems of Electrical Engineering" Kutná Hora, September 11 - 13, 2017

University of West Bohemia
in cooperation with
Institute of Computer Sciences of Lodz University of Technology
Lviv Polytechnic National University, University of Žilina
Warsaw University of Life Sciences, Warsaw University of Technology



General aims of conference

Exchange of information and ideas from the academic and industrial viewpoints in the sphere of Theory of Electrical Engineering and associated disciplines. Discussion on the modern trends in computational electrical engineering (mostly signal, circuit and field theories) leading to novel approaches to the numerical analysis, optimisation and design of various electrical machines, apparatus and systems.

Meeting of participants Advanced Methods of the Theory of Electrical Engineering
A meeting AMTEE 2017 takes place within the conference.

The main research streams in the Conference are concentrated in the following scientific domains:

- development of efficient methods of signal processing based on the application of ICA, PCA, wavelet transformation, impedance tomography etc.,
- artificial neural and neuro-fuzzy networks approaches to the solution of signal processing tasks belonging to the estimation, identification, prediction and approximation problems,
- development of new effective methods for the solution of specific biomedical problems, radioengineering, telecommunication and antenna systems,
- development of numerical methods of the analysis of the electromagnetic fields by applying finite element and boundary elements in 2D and 3D electromagnetic problems,
- application of optimisation methods to the design of electrical systems by using field and circuit theory tools and signal processing,
- education in the area of electrical engineering, computer science and application of the computer science.

Beside the scientific program, Conference CPEE 2017 is supposed to provide time enough for finding new personal contacts, friendships and, of course, for discussions. It is our great pleasure to invite you to this event, where professional interests will be combined with a rich social program. We do believe that you will take part in the Conference and enjoy your stay in Czech Republic.