



# SCE III

3rd International Students Conference  
on Electrodynamics and Mechatronics  
6 – 8 October 2011, Opole, Poland



## Call for Papers

### ➤ Introduction

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Every two years, the IEEE Opole Student Branch co-organizes the International Students Conference on Electrodynamics and Mechatronics (SCE). The goal of the conference is to present the latest research and results of young scientists (preferred students, PhD Students, and young post-doc scientist) related to electrodynamics and mechatronics topics. The SCE gives all participants a chance to share technical experiences and possibility to make new international contacts. Besides, the conference can be a good opportunity to explore Polish country.

In 2011, the IEEE Opole Student Branch together with IEEE Poland Section, Poland Section MAG Chapter and Opole University of Technology (assisted by Student Research Group ELEDYN) are organizing the third edition of this conference.

### ➤ Deadlines

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Title and abstract submission date:

- **2nd of April 2011**

Final Paper Submission Date:

- **30th of April 2011**

Notification of Acceptance:

- **1st of May 2011**

Opening of the registration process:

- **1st of June**

### ➤ List of Topics

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#### **Materials in Electrical Engineering**

- dia-, para-, ferro- magnetism
- nanostructures
- semiconductors
- dielectrics
- absorption materials
- superconductors

#### **Electrodynamics**

- numerical methods
- field calculation methods
- Computer Aided Design (CAD) in electrodynamic problems
- measurement methods for low and high frequencies
- high frequency technic
- antennas and wave propagation
- microwaves
- field- circuit problems in mechatronics

#### **Mechatronics**

- robotics: industrial robots, microrobotics, mobile robots
- teleoperation, telerobotics, teleoperated semi-autonomous systems
- sensors and actuators in mechatronics
- control of mechatronics systems
- analysis of vibration and deformation
- optimization, optimal design
- integrated diagnostics
- failure analysis
- tribology in mechatronics systems
- analysis of signals

## ➤ Paper Submission

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Acceptance of the articles for presentation at the 3rd International Students Conference on Electrodynamics and Mechatronics is based on the review of the full version by the international Scientific Committee. The paper (prepared according to the dedicated template) should have minimum 4 and maximum 6 pages. All accepted and presented papers will be published in the conference proceedings, and included in the IEEE Xplore on-line digital library. Moreover, all presented papers will be printed in the book „**Electrodynamic and Mechatronic Systems**”, **B. Tomczuk, A. Waindok, J. Zimon. ISBN 978-1-4244-9692-1** English is the working language.

## ➤ Conference Fee

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IEEE Members	70\$
Non IEEE Members	120\$
Accompanying person	60\$
Additional paper	30\$
Three Day Tour	180\$

*\*more information are available on the conference website*

## ➤ Contact Information

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### **IEEE Opole Student Branch**

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## ➤ Organizing Committee Board

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### **Conference Chair:**

Prof. Bronisław Tomczuk

### **Conference v-ce Chair, contact person:**

Jan Zimon, Ass. Prof.

### **Publication Chair:**

Andrzej Waindok, Ass. Prof.

### **Publication v-ce Chair:**

Wojciech Pluta, Ass. Prof.

### **Secretary + Treasurer:**

Piotr Graca, Eng.

## ➤ International Sc. Committee

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Prof. Bronislaw Tomczuk	Poland
Prof. Marian Soinski	Poland
Prof. Jose Dalio Ghirello Garcia	Brasil
Prof. Józef Modelski	Poland
Prof. Maciej Ogorzalek	Poland
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Jan Zimon, Ass. Prof.	Poland
Wojciech Pluta, Ass. Prof.	Poland

## ➤ Patronage

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### **Rector of the Opole University of Technology :**

Prof. Jerzy Skubis

### **IEEE Region 8 Past-Director:**

Prof. Józef Modelski

### **IEEE Region 8 SAC Past-Chair:**

Eva Lang

## ➤ Conference Website

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[www.ssne.po.opole.pl](http://www.ssne.po.opole.pl)

