

# III International Student Chapters Meeting

Institute of Physics, Wrocław University of Technology  
Wybrzeże Wyspiańskiego 27, 50-370 Wrocław, Poland

organized by:



sponsored by:



**Abstracts deadline: 25 March**

**Registration deadline: 25 March**

(please sent the arrival and departure dates together with the abstract for the hotel reservation)

**Conference fee: 15 Euro (or 50 PLN)**

(during the meeting: 3 lunches, all social events, conference materials)

**Contact:** [SPIE@if.pwr.wroc.pl](mailto:SPIE@if.pwr.wroc.pl) (phone: 0048 (71) 320 23 58)

## students for students

The basic idea of this meeting is to help young students to get in the scientific world of optics and photonics and to help them to make the real steps to their future career and also to create a research platform for their future scientific work

1. Official Welcome

### DAY 1:

**Session 1: Nanotechnology and material science:**

**Optical characterization and material processing**

Plenary: **Prof. Hernando Garcia**, Southern Illinois University, USA

*Ultrafast Optics and Optoelectronics*

Invited: **Artur Podhorodecki**, Wrocław University of Technology, Poland

*Optical Properties of Nanomaterials*

1. Students talks— detailed schedule in preparation

2. Visiting Laboratories

**Session 2: Chapters activities**

1. Courses part I: i.e. How to be a professional research group leader?

2. Guided tour around the old town

3. Reception – up to the end

### DAY 2:

**Session 3: Optical techniques in applications**

Plenary: **Prof. Barbara Pierscionek**, University of Ulster, Ireland

*The Paradox of the Eye Lens*

Invited: **Michalina Góra**, Nicolaus Copernicus University, Poland

*Optical Coherence Tomography for Artwork Diagnostics*

1. Students talks – detailed schedule in preparation

**Session 4: Optical and Photonic Materials and Applications**

Invited: **Rostyslav Billy**, NAS of Ukraine, Ukraine

*Utilization of functional luminescent GaN:Eu<sup>3+</sup> nanoparticles*

*for the detection of programmed cell death*

Invited: **Jacek Olszewski**, Wrocław University of Technology, Poland

*Properties of Photonic Crystal Fibers*

1. Students talks— detailed schedule in preparation

2. Courses part II: i.e. How to manage the research project?

3. Party on the boat – up to the end

### DAY 3:

**Session 5: Optical and Photonic Materials and Applications**

Plenary: **Prof. Isabelle Ledoux-Rak**, Ecole Normale Supérieure

de Cachan, France,

*Nonlinear optical materials*

Invited: **Katarzyna Matczyszyn**, Wrocław University of Technology

*Applications of nonlinear materials*

1. Students talks— detailed schedule in preparation

**Session 6: Summarizing Workshop**

1. Banquet – up to the end

### Honorary Committee:

**Prof. Jan Misiewicz**- chair,

Dean of Faculty of Fundamental Problems

of Technology, WUT, Poland

**Prof. Ludwik Komorowski**

Dean of Chemistry Department, WUT, Poland

**Prof. Ryszard Poprawski**,

Director of Institute of Physics, WUT, Poland

**Prof. Waław Urbańczyk**,

Wrocław SPIE Faculty Advisor, WUT, Poland

### Scientific Committee:

Artur Podhorodecki, WUT, Poland - chair

Dorota Szczęśna, WUT, Poland

Małgorzata Kowalska, WUT, Poland

Jacek Olszewski, WUT, Poland

Michalina Góra, Nicolaus Copernicus University, Toruń, Poland

Mateusz Bednorz, Silesian University of Tech., Gliwice, Poland

Catalin Contantinescu, National Institute for Laser, Romania

Rostyslav Billy, NAS of Ukraine, Lviv, Ukraine

Katarzyna Matczyszyn, WUT, Poland

### Organizing Committee:

Artur Podhorodecki, WUT, Poland - chair

Dorota Szczęśna, WUT, Poland

Małgorzata Kowalska, WUT, Poland

Bartosz Krajnik, Nicolaus Copernicus University, Toruń, Poland

Michalina Góra, Nicolaus Copernicus University, Toruń, Poland

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Grzegorz Zatrzyb, WUT, Poland

Mateusz Bański, WUT, Poland

Joanna Olesiak, WUT, Poland