

Activity Report of Romania SPIE Student Chapter in 2009

1. **Organization of several meetings to prepare the mission of the visiting Prof. Mauro Perreira from Sheffield Hallam University UK**
2. **March 2-4 , 2009 Visit of Prof. Mauro Perreira in the National Institute for Lasers, Plasma and Radiation Physics, who held the conference entitled "21st Century Optical Engineering: Manipulating Nonequilibrium Many Body Effects to Create new THz Devices; besides the scientific events , social program was organized as well (visits in the city and friendly meetings with students)**
3. **Meetings to select the Romania Participation at Annual SPIE Meeting San Diego**
4. **Participation at “ IV Int. SPIE Student “ Chapter Meeting “ Torun, Poland, 12-18. May 2009**
<http://www.fizyka.umk.pl/~scspie/SPIEmeeting2009/index.php>: Laura Mihai, Catalin Constantinescu, Andreea Chis, Nedelcea Anca, Palla- Papavlu Alexandra, Simona Iconaru,
5. **Participation at SPIE Annual Meeting 30 July – 6 Aug. 2009 :Laura Mihai**
6. **31 August - 3 September 2009 , Berliner Congress Centre, Berlin, Germany SPIE Europe Remote Sensing : participation Laura Mihai**
7. **Participation in the organization of ROMOPTO 2009, 31.aug.-3 sept. Sibiu, Romania Ioan Dancus, Tatiana Bazaru, Petronela Gheorghe, Silviu Popescu**
<http://romopto.inflpr.ro>
8. **Participation in the organization and presentation at “ Light at Extreme Intensities” LEI '09 October 16-21,2009, Brasov, Romania**
<http://lei2009.inflpr.ro/>: Laura Ionel
9. **Meeting with students from “Politehnica” University Bucharest , Faculty of Applied Sciences ; new partners and collaboration**
10. **The visits of high school students had been conducted in the frame of events organized by the Center for Science and Training in the institute : Laura Mihai**

Papers presented in ROMOPTO 2009

1. D. Ursescu, Laura Ionel, “Multiple pulses generation for collinear pump-probe experiments”
2. D. Ursescu, Laura Ionel, “Ultra-short Pulses Coherent Beam Combining”
3. F. Sima, E. Axente, C. Ristoscu, C. N. Mihailescu, I.N. Mihailescu, K. Anselme, L.E. Sima, S. M. Petrescu, E. Pauthe, O. Gallet, “Protein immobilization by pulsed laser techniques to modify cell/biomaterial interactions”
4. G. Socol, S. Nicolae, I. N. Mihailescu, Yu. Gnatyuk, N. Smirnova, C. Sutan, V. Malinovski, A. Stanculescu, “Photocatalytic activity of C, N doped TiO₂ and ZrO₂ thin films synthesized by

pulsed laser deposition”

5. Florin Jipa, Marian Zamfirescu, Iulian Ionita, Catalin Luculescu, Razvan Dabu, “Submicrometer geometries produced by Two Photon Polymerization technique”

6. I. Dancus, V. I. Vlad, A. Petris, N. Gaponik, V. Lesnyak, “Optical limiting and phase modulation in colloidal CdTe nanocrystals”