

Scientific report:

Symposium O at the EMRS Spring 2012 meeting, Strasbourg, France, May 14-18 2012

http://www.emrs-strasbourg.com/index.php?option=com_content&task=view&id=480&Itemid=1558

Symposium organizers:

- Alexandre Dmitriev (Chair), Chalmers University of Technology, Department of Applied Physics, Göteborg 41296 Sweden (alex@dchalmers.se)
- Valentyn S. Volkov, University of Southern Denmark, Institute of Sensors, Signals and Electrotechnics (SENSE), Niels Bohrs Allé 15230 Odense M, Denmark (vsv@sense.sdu.dk)
- Barry P. Rand, Imec, Kapeldreef 75B-3001 Leuven (barry.rand@imec.be)
- Mario Agio, National Institute of Optics (CNR-INO), European Laboratory for Nonlinear Spectroscopy (LENs), Via Nello Carrara 150019 Sesto Fiorentino (FI), Italy (mario.agio@ino.it, agio@lens.unifi.it)
- Erik Reimhult, University of Natural Resources and Life Sciences (BOKU), Vienna, Laboratory for Supramolecular Materials, Department of NanoBiotechnology, Muthgasse 11A-1190 Vienna, Austria (erik.reimhult@boku.ac.at)

The subject of the symposium O was designated as Applied Nanoplasmonics: Nanoplasmonic Functional Materials and Devices, and thus was revolving around the subjects of practical implementation of plasmonic technologies.

The conference program featured 17 invited presentations of the world-leading researchers in plasmonics and 60 selected high-quality contributed (peer-reviewed) oral presentations. In addition, about 66 poster presentations were featured during two dedicated poster sessions. The Best Graduate Student Poster award was given to four presenters of the best posters.

General focus of the conference was on the use of localized plasmon resonances in various applications: waveguiding, biological and chemical sensing, enhanced spectroscopies, plasmon-enhanced photovoltaics, optical manipulation and sorting, specific nanofabrication approaches that feature ultra-performant plasmonic devices and platforms. A special one-day session was concentrated on the new field of optical antennas: Plasmonic

Nanoantennas mini-conference united the speakers and participants of Symposia N and O at EMRS.

The complete list of presented research and technology subjects during the 4.5 days of the Symposium can be further found at http://www.emrs-strasbourg.com/index.php?option=com_abstract&task=view&id=170&year=2012&Itemid=&id_season=6.