GMe

Gesellschaft für
Mikro- und Nanoelektronik

Nano-Photonics Meeting

TU Wien
Photonics Institute
1040 Vienna, Gusshausstrasse 27-29, Room CBEG02

November 10 – 11th, 2011

Nano-Photonics is a new research field combining several scientific areas from materials to optics. It holds promise for future developments in information technology, sensing, bio-medical and energy applications. This workshop is bringing together experts from all of the different areas to discuss different approaches for tackling the exciting goals.

Program Committee:
Gerald Bastard, Gottfried Strasser, Karl Unterrainer

Local Committee:
Claudia Benedela, Karl Riedling

Invited Speakers:

Bernard Plaçais: *Quantum electronics in two-dimensional electron gases and graphene*

Benjamin Huard: *Building a quantum limited amplifier from Josephson junctions and resonators*

Nicolas Regnault: *Towards fractional topological insulators*

Christophe Voisin: *Carbon nanotubes for optics*

Carole Diederichs: *Optics in single quantum dots*

Jérôme Tignon: *Ultra-fast THz spectroscopy of quantum cascade lasers*

Francesca Carosella: *Free Carrier absorption in quantum cascade lasers*

Karsten Held: *Kondo effect in double quantum dots and quantum point contacts*

Stefan Rotter: *New laser physics in coupled microlasers*

Friedrich Schaeffler: *Structural and Optical Properties of SiGe Nanostructures*

Stefan Kalchmair: *Resonant Photonic Detection*

Juraj Darmo: *THz time-domain spectroscopy: quantum cascade lasers and beyond*

Thomas Mueller: *Graphene Photodetectors*

Johannes Maier: *Hybrid Quantum Systems - Coupling Atoms and Diamond Color Centers to Superconducting Cavities*

Andrey Chabanov: *Signatures of Photon Localization*

Joachim Krenn: *Nano-photonics with plasmonic wires and particles*