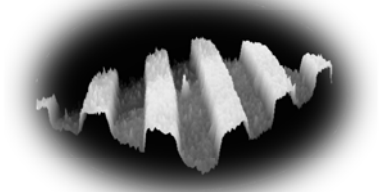


# GMe



Gesellschaft für  
Mikro- und Nanoelektronik

## Nano-Photonics Meeting

TU Wien

Photonics Institute

1040 Vienna, Gusshausstrasse 27-29, Room CBEG02

November 10 – 11<sup>th</sup>, 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

## **Programme:**

### **Thursday, November 10, 2011**

13:00 Welcome & Introduction

13:30 Jérôme Tignon: *Ultra-fast THz spectroscopy of quantum cascade lasers*

14:00 Juraj Darmo: *THz time-domain spectroscopy: quantum cascade lasers and beyond*

14:30 Stefan Rotter: *New laser physics in coupled microlasers*

15:00 Break

15:30 Carole Diederichs: *Optics in single quantum dots*

16:00 Friedrich Schaeffler: *Structural and optical properties of SiGe nanostructures*

16:30 Discussion

### **Friday, November 11, 2011**

09:00 Johannes Maier: *Hybrid quantum systems - coupling atoms and diamond color centers to superconducting cavities*

09:30 Benjamin Huard: *Building a quantum limited amplifier from Josephson junctions and resonators*

10:00 Karsten Held: *Kondo effect in double quantum dots and quantum point contacts*

10:30 Break

11:00 Christophe Voisin: *Carbon nanotubes for optics*

11:30 Thomas Mueller: *Graphene Photodetectors*

12:00 Nicolas Regnault: *Towards fractional topological insulators*

12:30 Lunch

14:00 Andrey Chabanov: *Signatures of Photon Localization*

14:30 Stefan Kalchmair: *Resonant photonic detection*

15:00 Francesca Carosella: *Free Carrier absorption in quantum cascade lasers*

15:30 Break

16:00 Joachim Krenn: *Nano-photonics with plasmonic wires and particles*

16:30 Bernard Plaças: *Quantum electronics in two-dimensional electron gases and graphene*