

Symposium

Gain in Metamaterials

Hörsaal AP (Jungiusstraße 11, Eingang A)

Tuesday, 27 September 2011

- 09.00–09.10** **Welcome by Stefan Mendach**
- 09.10–09.55** **Coupling effects in photonic metamaterials**
Stefan Linden (Universität Bonn)
- 09.55–10.20** **Active three-dimensional metamaterials**
Stephan Schwaiger (Universität Hamburg)
- 10.20–10.50 *Coffee Break*
- 10.50–11.15** **Finite-difference time-domain simulations on active three-dimensional metamaterials**
Andreas Rottler (Universität Hamburg)
- 11.15–12.00** **Surface plasmon polariton-exciton interaction in hybrid metal-semiconductor nanostructures**
Robert Pomraenke (Universität Oldenburg)
- 12.00–12.25** **Individual semiconductor nanocrystal emitters close to gold nanoparticles**
Tobias Kipp (Universität Hamburg)
- 12.25–14.00 *Lunch Break*
- 14.00–14.25** **Bandgap tuning in plasmonic gratings**
Jens Ehlermann (Universität Hamburg)
- 14.25–15.10** **Resonance fluorescence emission characteristics of single coherently driven quantum dots coupled to high-Q microcavities**
Sven Ulrich (Universität Stuttgart)
- 15.10–15.40 *Coffee Break*
- 15.40–16.05** **Local droplet etching: Nanoholes, quantum dots, and air-gap heterostructures**
Christian Heyn (Universität Hamburg)
- 16.05–16.30** **Natural quantum dots with stress-tunable energy levels**
Matthias Klingbeil (Universität Hamburg)
- 17.00–19.00** **Lab Tour**