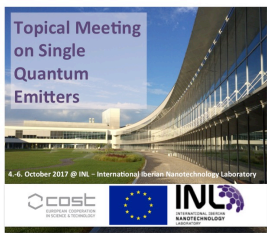


Topical Meeting on Single Quantum Emitters, 4.10. -6.10.2017 at INL - International Iberian Nanotechnology Laboratory, Braga, Portugal



5.10.2017

- 09:30 **Opening, Jana Nieder**, INL
- 09:45 **Ronen Rapaport**, Hebrew University, Israel, Quantum-light harvesting from room temperature nano-emitters using nano-antennas
- 10:35 **Monika Fleischer**, U Tuebingen, Germany, Chair of the COST Action Nanospectroscopy - Overview of the COST Action
- 10:45 **Monika Fleischer**, U Tuebingen, Germany, Single quantum dots coupled to plasmonic nanocones
- 11:10 coffee
- 11:40 **Alfred Meixner**, U Tuebingen, Germany, Controlling the luminescence properties of single molecules embedded in a half wavelength Fabry-Pérot microresonator
- 12:05 **Christiane Hoepfener**, U jena, Germany, Exploiting optical antennas for mapping mechano-chemical correlations of membrane proteins
- 12:30 lunch
- 14:15 **Ruth Oulton**, U Bristol, UK, Quantum Dots for Quantum Switching and Quantum Networks
- 15:05 **Andreas Schnell**, ICFO, Barcelona, Spain, Understanding the emission properties of defects in hBN and their photonic integration
- 15:30 **Martin Lopez Garcia**, INL, International, Bloch surface wave photonics for single emitters in 2D materials
- 15:55 coffee
- 16:25 **John Rarity** - TBA- NV center and Quantum information technology
- 16:45 **Ulrich Fischer**, U Muenster, Germany, Non Destructive Optoelectronic Detection of Photons by Strongly Confined Transfer of Photon Spin to Electron Angular Momentum
- 17:10 Port and Poster
- 19:30 Networking DINNER

6.10.2017

- | TIME | SPEAKER |
|-------------|--|
| 09:30 | Cristina Flors , IMDEA, Madrid, Spain, Hybrid nanoscopy of hybrid nanomaterials |
| 10:20 | Thomas Exlager , INL, Internatioanl, Advanced Optical Characterization of Carbon-Dots |
| 10:45 | Julien Houel , U Lyon, France, Power-law blinking down to the microsecond timescale |
| 11:10 | coffee |
| 11:40 | Anke Horneber , U Tuebingen, Germany, Combining time-correlated single photon counting and apertureless SNOM to investigate quantum dots |
| 12:05 | Paulo Ferreira , INL/UTAustin, Aberration-corrected TEM/STEM solutions coupled with EELS for Understanding 2D Materias |
| 12:30 | lunch |
| 14:00 | Alper Kiraz , Kic University, Turkey, Some Applications in Micro and Nano-Photonics Using Optofluidic Resonators and Single Molecule Tracking |
| 14:50 | Juan Pastor , U Valencia, Spain, All-Optical Fiber Hanbury Brown & Twiss Interferometer to study single photon emission of InAs quantum dots at telecom wavelengths |
| 15:15 | Ricardo Ribeiro , U Minho, Ab initio calculations of the optical properties of 2D materials |
| 15:40 | coffee/poster |
| 16:40 | Bernd Sondheime , Humboldt University, Germany, Single emitters in hexagonal boron nitride as future platform for quantum information processing? |
| 17:05-17:15 | Closing- Jana Nieder |

4-5.10.2017

16:00 Registration

INL
17:00-18:30 Laboratory
Tours