

Wednesday, 25 September

8:30 AM K-01

Droplet Epitaxy of Semiconductor Nanostructures for Quantum Photonics

Stefano Sanguinetti

L-NESS and Dipartimento di Scienza dei Materiali, Università di Milano-Bicocca, Italy

9:15 AM I-12

Highly Entangled Photon Pairs from Semiconductor Quantum Dots

Armando Rastelli, Daniel Huber, Marcus Reindl, Saimon Filipe Covre da Silva, Rinaldo Trotta

Johannes Kepler University Linz, Austria

9:45 AM I-13

Highly Efficient Quantum Light Sources Based on Quantum Dots in Photonic Nanostructures

Jin Liu

School of Physics, Sun Yat-Sen University, China

10:15 AM Coffee Break

10:45 AM I-14

Advanced 3D Architectures on Crystal Structure Engineered III-V Nanowires

Víctor J. Gómez¹, Claes Thelander¹, Kimberly A. Dick^{1,2} and Sebastian Lehmann¹

¹Solid State Physics and NanoLund, Lund University, Sweden

²Centre for Analysis and Synthesis, Lund University, Sweden

11:15 PM O-03

Colloidal Nanoparticle Assisted MBE Growth and Thermal Decomposition of GaAs Nanowires

Alexei Bouravlev¹⁻⁴, Igor Ilkiv¹

¹St.Petersburg Academic University RAS, Russia

²Ioffe Institute, Russia

³St.Petersburg Electro-Technical University, Russia

⁴Institute for Analytical Instrumentations RAS, Russia

11:30 AM O-04

Outermost Native Oxide AlGaOx Shell for GaAs Related Core-Shell Nanowires

Naoki Tsuda, Fumitaro Ishikawa

Graduate School of Science and Engineering, Ehime University, Japan

11:45 AM O-05

Size-Modulation-Induced Spin Amplification in Quantum Nanocolumn

Satoshi Hiura¹, Shotaro Saito¹, Junichi Takayama¹, Takayuki Kiba² and Akihiro Murayama¹

¹Faculty of Information Science and Technology, Hokkaido University, Japan

²Kitami Institute of Technology, Japan