

Poster Presentations

Optoelectronics:

1. S. Golka, G. Pozzovivo, W. Schrenk, G. Strasser, C. Skierbiszewski, M. Siekacz, I. Grzegory, S. Porowski: „*GaN/AlGaN double-barrier diodes grown on bulk GaN*“ – **page 31**
2. M. Austerer, C. Pflügl, S. Schartner, W. Schrenk, A. M. Andrews, T. Roch, G. Strasser: „*Second-harmonic emission from quantum cascade lasers*“ – **page 35**
3. S. Schartner, M. Austerer, S. Golka, C. Pflügl, T. Roch, A.M. Andrews, W. Schrenk, G. Strasser: „*Far field investigations on quantum cascade lasers*“ – **page 39**
4. A.M. Andrews, T. Roch, A. Benz, G. Fasching, W. Schrenk, K. Unterrainer, G. Strasser: „*MBE Growth Parameters for GaAs-based THz Quantum Cascade Lasers*“ – **page 43**
5. T. Gebhard, P. L. Souza, F. F. Schrey, G. Strasser, K. Unterrainer, M. P. Pires, S. M. Landi, J. M. Villas-Boas and N. Studart: „*Polarization Dependence of Photocurrent in Quantum-Dot Infrared Photodetectors*“ – **page 47**
6. R. Holly, K. Hingerl, R. Merz, P. Hudek, S. Neve, S. Partel, T. Auer: „*Fabrication of silicon vertical taper structures for fiber to chip coupler by KOH anisotropic etching*“ – **page 53**
7. S. Pichler, J. Roither, M.V. Kovalenko, W. Heiss, P. Feichuk, O. Panchuk, J. Allam and B.N. Murdin: „*Two and One Dimensional Light Propagation and Optical Gain in Colloidal Nanocrystal Waveguides*“ – **page 59**
8. M. Simma, D. Lugovyy, T. Fromherz, G. Springholz, G. Bauer: „*Strain induced modifications of optoelectronic properties of PbSe nanostructures*“ – **page 63**

Analytic Methods:

1. S. Özcan, T. Roch, G. Strasser, J. Smoliner, R. Franke, T. Fritz: „*Ballistic electron emission microscopy/spectroscopy on Au/titanylphthalocyanine/GaAs heterostructures*“ – **page 71**
2. C. Simbrunner, K. Schmidegg, A. Bonanni, A. Kharchenko, J. Bethke, K. Lischka and H. Sitter: „*In-situ x-ray diffraction during MOCVD of III-nitrides: an optimized wobbling compensated evaluation algorithm*“ – **page 77**

Technology:

1. S. Abermann, G. Sjoblom, J. Efavi, M. Lemme, J. Olsson, E. Bertagnolli: „*The impact of TiN, and Mo metal gates on MOCVD-grown HfO₂ and ZrO₂ high-k dielectrics for CMOS technology*“ – **page 83**
2. K. Forberich, T. Fromherz, M. Morana, K. Hingerl et. al.: „*Structuring organic semiconductors by optical lithography*“ – **page 87**

Nanodots, Nanowires, and Nanocrystals:

1. C. Schoendorfer, A. Lugstein, and E. Bertagnolli: „*Focused Ion Beam induced Nanodot and Nanowire Growth*“ – **page 93**
2. E. Auer, M. Steinmair, T. Köck, A. Lugstein, E. Bertagnolli: „*Growth of Si-Nanowires – VLS and SLS*“
3. M. Niedermayr, G. Pillwein, W. Heiss, G. Brunthaler: „*Fabrication of narrow split contacts for nano-crystal investigations*“ – **page 97**
4. B. Mandl, J. Stangl, T. Mårtensson, M. Brehm, T. Fromherz, G. Bauer, L. Samuelson, W. Seifert: „*Metal-free growth and characterisation of InAs_{1-x}P_x nanowires*“ – **page 101**

Si/SiGe:

1. D. Pachinger, H. Lichtenberger, F. Schäffler: „*Stranski-Krastanov Growth of Tensely Strained Si on Ge (001) Substrates*“ – **page 107**
2. T. Berer, D. Pachinger, G. Pillwein, M. Mühlberger, H. Lichtenberger, G. Brunthaler, F. Schäffler: „*Lateral Quantum Dots in strained Si/SiGe Heterostructures*“ – **page 111**

Sensor Systems:

1. G. Hairer, D. Graschopf, M. Mansfeld, Ch. Nöhammer, M. J. Vellekoop, „*PCR microsystem for fast cycling*“ – **page 117**
2. A. Jachimowicz, J. Schalko, J. Kuntner, F. Kohl, and B. Jakoby, „*Bridge-based microsensor for determining the thermal properties of liquids*“ – **page 121**
3. Ch. Riesch, E. Reichel, F. Keplinger, B. Jakoby, „*Measurement of Liquid Properties with Resonant Cantilevers*“ – **page 127**
4. F. Keplinger, J. Kuntner, A. Jachimowicz, F. Kohl, „*Sensitive Measurement of Flow Velocity and Flow Direction using a Circular Thermistor Array*“ – **page 133**