

Poster Session A1

Formation and Characterization of Quantum Dots and Rings [I]

Monday, July 11th, 2005 - 16:00 to 18:00

Enchantment Ballroom, Second Floor

Paola Atkinson		<i>Site-control of InAs quantum dot nucleation by ex-situ electron-beam lithographic patterning of GaAs substrates.</i>	[PA1-157]
Devis Bellucci	Universita di Modena	<i>Magnetic-field controlled localization of electron-hole complexes in tunnel-coupled quantum dots</i>	[PA1-107]
Andrea Bertoni	Universita di Modena	<i>Control of charge relaxation time in coupled quantum dots through external fields</i>	[PA1-054]
Erik Bogaart	Eindhoven University of Technology	<i>Carrier capture and relaxation through a continuum background in InAs quantum dots</i>	[PA1-044]
Luis Dias da Silva	Ohio University	<i>Polarization effects in the optical Aharonov-Bohm oscillations in semiconductor quantum rings and type-II quantum dots.</i>	[PA1-025]
Martin Geller	Technische Universität Berlin	<i>Direct observation of tunneling emission to determine localization energies in self-organized quantum dots</i>	[PA1-047]
Michael Hanke	Martin-Luther-University Halle-Wittenberg	<i>Morphology and self-assembling of SiGe/Si(001) nanoscale islands grown by liquid phase epitaxy in the near- and far non-equilibrium growth limits</i>	[PA1-015]
Lixin He		<i>Electronic properties of type-III nanostructures: prediction of an excitonic ground state in self-assembled InAs/InSb quantum dots</i>	[PA1-084]
Alexander Hoegele	Ludwig-Maximilians-Universität	<i>Interferometry of a Single Quantum Dot</i>	[PA1-132]
Jordi Ibanez	CSIC	<i>Probing the composition of InAs/(AlGa)As and (InAl)As/(AlGa)As self-assembled quantum dots by Raman spectroscopy</i>	[PA1-078]
Chao Jiang	University of Tokyo	<i>Remarkable Geometrical Anisotropy in Self-assembled GaSb/GaAs Quantum Dots</i>	[PA1-100]
Erich Kaufmann		<i>Epitaxial quantum dots from immiscible material combinations: The case of PbTe/CdTe</i>	[PA1-058]
Hubert Krenner	Technische Universität München	<i>Tunable coupling of excitons in single Quantum Dot Molecules</i>	[PA1-081]
Tilmar Kuehmell		<i>Structural and Optical Analysis of Size-Controlled InAs Quantum Dots</i>	[PA1-155]
Rainer Lechner	Johannes Kepler Universität	<i>Dot formation and 2D intermixing driven by cation surface exchange in IV-VI heterostructures</i>	[PA1-027]
Sanghoon Lee		<i>Temperature-dependent photoluminescence of vertically stacked self-assembled CdSe quantum dots in ZnSe</i>	[PA1-010]
Jungil Lee	Korea Institute of Science and Technology	<i>Energy states in InAs-GaAs quantum dots-in-asymmetric-well infrared photodetector structure</i>	[PA1-079]
Phuong Nguyen		<i>Electronic continuum states of InAs/GaAs quantum dots</i>	[PA1-007]
Eugene Olshanetsky	Russian Academy of Sciences - Siberian Branch	<i>Electron transport through antidot superlattices in Si/Si_{0.7}Ge_{0.3} heterostructures: new lattice-induced magnetoresistance oscillations at low magnetic fields.</i>	[PA1-039]
Evgeny Onishchenko	Russian Academy of Sciences	<i>Photoluminescence of CdSe/ZnSe quantum dots grown on GaAs(001) and Si(001)/Ge substrates</i>	[PA1-153]
Ryuji Oshima	University of Tsukuba	<i>Long wavelength InAs self-assembled quantum dots embedded in GaNAs strain compensating layers</i>	[PA1-028]
Takeshi Ota	NTT Basic Research Laboratories	<i>Molecular ground states and their transitions in a single InAs quantum dot molecule</i>	[PA1-089]
Kazunari Ozasa	RIKEN	<i>Dependence of photoluminescence of CdSe/ZnS nanocrystals on excitation wavelength</i>	[PA1-068]
Udo Pohl	Technische Universität Berlin	<i>Formation of multimodal InAs/GaAs quantum dots</i>	[PA1-042]
Dirk Reuter	Ruhr-Universität Bochum	<i>Influence of a lateral electric field on the optical properties of InAs quantum dots</i>	[PA1-020]
Veronika Rinnerbauer		<i>Spectroscopic ellipsometry showing quantum confinement effects in layer by layer deposited colloidal HgTe nanocrystal films</i>	[PA1-152]
Martin Schmidbauer		<i>Asymmetric Correlation Function Describing the Positional Ordering of Liquid-phase Epitaxy Si-Ge Nanoscale Islands</i>	[PA1-004]
Stefan Seidl		<i>Tuning the fine structure of a self-assembled quantum dot by uniaxial strain</i>	[PA1-070]
Oleg Shegai		<i>Resonance photoconductivity of Si/Ge structures with self-organized QD's</i>	[PA1-159]

Weidong Sheng	National Research Council of Canada	<i>Electronic and optical properties of InAs/InP self-assembled quantum dots on patterned substrates</i>	[PA1-040]
Johanna Simon		<i>Controlled growth of laterally ordered InAs quantum dots on epitaxially patterned (110) cleavage planes</i>	[PA1-143]
Nelson Studart	Universidade Federal de Sao Carlos	<i>Effect of the alloy composition on the properties of InAs quantum dots grown on a InxGa1-xAs/InP heterostructure for mid-infrared detection</i>	[PA1-055]
Kousuke Torii		<i>Landau levels in a novel two dimensional electron system interacting with charged quantum dots</i>	[PA1-154]
Hans-Peter Wagner		<i>Relaxation dynamics in a bimodal CdSe/ZnSSe quantum dot distribution</i>	[PA1-051]
Robert Young	Toshiba Research Europe Ltd	<i>Inversion of exciton level splitting in quantum dots</i>	[PA1-108]

Poster Session A2

Formation and Characterization of Quantum Wells and Two-dimensional Heterostructures

Monday, July 11th, 2005 - 16:00 to 18:00

Enchantment Ballroom, Second Floor

Katherine Aidala		<i>Measured and Simulated Images of Cyclotron Orbits in a Two-Dimensional Electron Gas obtained with a Scanning Probe Microscope</i>	[PA2-139]
Richard Akis	Arizona State University	<i>Simulations of Germanium Epitaxial Growth on the Silicon (100) Surface Incorporating Intermixing</i>	[PA2-072]
Alexey Bykov		<i>Spatial modulation of 2D electron gas in heavily modulation-doped GaAs single quantum well with AlAs/GaAs superlattice barriers</i>	[PA2-029]
Russell Deacon	University of Oxford	<i>Stark Magnetophonon Resonance in Strongly Coupled InAs/GaSb Superlattices</i>	[PA2-187]
Jozef Devreese	Universiteit Antwerpen	<i>Resonant magnetopolaron effect in a polaron gas confined to a quantum well in a tilted magnetic field</i>	[PA2-102]
Ken-ichi Fujii	Osaka University	<i>Novel oscillatory behavior of confined electrons at a twin boundary in ZnSe and at an interface in a GaAs/AlGaAs heterostructure</i>	[PA2-182]
Andreas Gärtner	University of Munich	<i>Dynamics of long-living excitons in tunable potential landscapes</i>	[PA2-031]
Christian Gerl	Universität Regensburg	<i>Carbon-doped high mobility hole gases on (001) and (110) GaAs</i>	[PA2-236]
Boris Glavin	National Academy of Science of Ukraine	<i>Resonant enhancement of phonon-electron and photon-phonon coupling in piezoelectric superlattices</i>	[PA2-134]
Shinichiro Gozu		<i>Transition from type-II to type-I band configuration for InGaAsSb/AlAsSb quantum wells grown on GaAs substrates</i>	[PA2-156]
Teppo Hakkarainen	Helsinki University of Technology	<i>Photoluminescence and structural properties of GaInNAs / GaAs quantum wells grown by molecular beam epitaxy under different arsenic pressures</i>	[PA2-261]
Heather Haugan	Air Force Research Laboratory	<i>Pushing the Envelope to the Maximum: Short-Period InAs/GaSb type-II Superlattices for Mid-Infrared Detectors</i>	[PA2-049]
Sorcha Healy		<i>Influence of N cluster states on band dispersion in GaInNAs Quantum Wells</i>	[PA2-203]
Jenn-Shyong Hwang	National Cheng Kung University	<i>Studies of electro-optical properties and band alignment of InGaPN/GaAs heterostructures by photoreflectance and photoluminescence</i>	[PA2-104]
Sato Koichi		<i>Magneto-oscillation of mid-gap photoluminescence in AlAs:Yb/GaAs superlattices</i>	[PA2-142]
Kazuto Koike	Osaka Institute of Technology	<i>Characterization of [ZnO]m[ZnMgO]n Multiple Quantum Wells Grown by Molecular Beam Epitaxy</i>	[PA2-009]
Nobuo Kotera	Kyushu Institute of Technology	<i>Determination of Electron Effective Mass from Optical Transition Energy in InGaAs/InAlAs Quantum Well</i>	[PA2-065]
Snezana Lazic	Universidad Autónoma de Madrid	<i>Resonant Raman Scattering in AlGaAs/InGaAsN Multiquantum Wells: Measuring the N concentration</i>	[PA2-279]
Andrea Markelz	State University of New York at Buffalo	<i>Frequency Dependent Momentum Relaxation Rates In 2DEG Systems</i>	[PA2-255]
Yury Mityagin	Russian Academy of Sciences	<i>Sequential Resonant Tunneling in Superlattices in Transverse Magnetic Field - A Probe of the Nonequilibrium Electronic Distribution Function.</i>	[PA2-097]
Hideki Momose	Osaka University	<i>Impurity cyclotron resonance in InGaAs/GaAs and InGaAs/AlAs superlattices grown on GaAs substrates</i>	[PA2-170]

Maksym Myronov		<i>Diffusion induced hole Hall mobility enhancement in modulation doped SiGe heterostructures grown by SS-MBE</i>	[PA2-030]
Heng-Yau Pan	Far East College	<i>General expressions for quantum transport in arbitrary potential profile: L-electron effect on AlAs-GaAs-AlAs double barrier structure</i>	[PA2-056]
Heng-Yau Pan	Far East College	<i>Analytical bond orbital model: heterobond effect on optical properties of InAs/GaSb superlattices</i>	[PA2-057]
Kentarou Sawano		<i>Mobility enhancement in strained-Ge modulation-doped structures by planarization of SiGe buffer layers</i>	[PA2-062]
Michael Schardt		<i>TE- and TM-polarization resolved spectroscopy on quantum wells under normal incidence</i>	[PA2-183]
Shumway Shumway	Arizona State University	<i>Quantum Monte Carlo Studies of Exciton-Exciton Scattering in Quantum Wells</i>	[PA2-266]
Mathias Simma	Johannes Kepler Universitaet Linz	<i>Deformation potentials and photo-response of PbSe nanostructure</i>	[PA2-181]
Jin Dong Song	Korea Institute of Science and Technology	<i>Optical and structural properties of InGaAs/InP double quantum wells grown by MBE with polycrystalline GaAs and GaP decomposition sources</i>	[PA2-180]
Hans-Peter Wagner		<i>Exciton induced phase coherent photorefractivity in ZnSe quantum wells</i>	[PA2-050]

Poster Session A3

Two-Dimensional Heterstructure Devices

Monday, July 11th, 2005 - 16:00 to 18:00

Enchantment Ballroom, Second Floor

Martyna Grydlik	Universitaet Linz	<i>Resonator fabrication for switchable two-color MIR detection based on SiGe quantum cascade infrared photodetector</i>	[PA3-184]
Robert Kelsall	University of Leeds	<i>Terahertz Electroluminescence from Si/SiGe Phonon-Depopulation Quantum Cascade Structures</i>	[PA3-252]
AKM Newaz	State University of New York at Stony Brook	<i>Shot-Noise Characteristics of Double-Well Resonant-Tunneling Diodes</i>	[PA3-091]
Klaus Reimann	Max-Born-Institut	<i>Phonon sidebands of intersubband absorption in AlGaIn/GaN high-electron-mobility transistors</i>	[PA3-258]
Lutz Schrottke	Paul-Drude-Institut	<i>Correlation between subband population and threshold current densities in GaAs/(Al,Ga)As quantum-cascade structures/lasers with different barrier heights</i>	[PA3-077]

Poster Session B1

Formation and Characterization of Quantum Dots and Rings [II]

Tuesday, July 12th, 2005 - 16:00 to 18:00

Enchantment Ballroom, Second Floor

Franco Carillo	Scuola Normale Superiore and INFM	<i>In_{0.75}Ga_{0.25}As on GaAs submicron rings and their application for coherent nanoelectronic devices.</i>	[PB1-213]
Holger Eisele		<i>Change of InAs quantum dot structures during capping with GaAs</i>	[PB1-230]
Holger Eisele		<i>Structure of InAs/GaAs quantum dots grown with Sb impurities</i>	[PB1-232]
Gernot Fasching	Vienna University of Technology	<i>Single InAs/GaAs quantum dots: Photocurrent and cross-sectional AFM analysis</i>	[PB1-211]
Sandip Ghosh	Tata Institute of Fundamental Research	<i>In-plane optical polarization anisotropy of InAs quantum dot ensembles studied using polarized photo-voltage spectroscopy</i>	[PB1-214]
Alex Green	Oxford University	<i>Two-photon absorption from single InGaIn/GaN quantum dots</i>	[PB1-177]
Lixin He		<i>Exotic few-particle states in charged self-assembled InAs/GaAs quantum dots</i>	[PB1-085]
Keisuke Kametani	Kyoto University	<i>Zinc oxide nanostructures grown by metal-organic chemical vapor deposition on various planes of sapphire</i>	[PB1-267]
Gouri Kar	Max-Planck-Institute for Solid State Research	<i>Ordered SiGe island arrays: Long-range diffusion, free-standing Si bridges and novel device concepts</i>	[PB1-179]
Suwit Kiravittaya		<i>Quantum dot defects in quantum dot crystals</i>	[PB1-196]
Dmitriy Krizhanovskiy		<i>Individual InGaAs quantum dots with strong in-plane optical anisotropy</i>	[PB1-185]
Takashi Kuroda	National Institute for Materials Science	<i>Excitonic transitions in semiconductor concentric quantum double-rings</i>	[PB1-162]

Maximo Lopez-Lopez	CINVESTAV-IPN	<i>Photoreflectance study of InAs quantum dots on GaAs(n11) substrates</i>	[PB1-239]
Cedrik Meier		<i>Optical properties of silicon nanoparticles</i>	[PB1-287]
Tobias Mensing		<i>Magneto-optical investigations of single self assembled In_{0.3}Ga_{0.7}As quantum dots with high oscillator strength</i>	[PB1-215]
Thomas Mueller	Technische Universitaet Wien	<i>Mid-infrared spectroscopy of bound-to-continuum transitions in InAs/GaAs self-assembled quantum dots</i>	[PB1-164]
Toshihiro Nakaoka		<i>Quantum confined Stark effect in single self-assembled GaN/AlN quantum dots</i>	[PB1-268]
Wing Ng	University of Sheffield	<i>Intraband and interband spectroscopic studies of rapid thermal annealed quantum dot structures</i>	[PB1-188]
Armando Rastelli		<i>Hierarchical self-assembly of quantum dot structures</i>	[PB1-241]
Marie-Ingrid Richard	CEA-GRENOBLE	<i>In situ x-ray scattering studies of the 2D-3D transition dur. Ge growth on nominal and patterned Si(001) surfaces</i>	[PB1-202]
Massimo Rontani	Universita di Modena	<i>Field-Induced Orbital Blockade in Transport through Double Dots</i>	[PB1-163]
Dipankar Sarkar	Universidad Autonoma de Madrid	<i>Fine structure splitting and biexciton binding energy in single self-assembled InAs/AlAs quantum dots</i>	[PB1-168]
Tomohiko Sato	University of Tokyo	<i>Magneto-optical spectroscopy of single GaSb/GaAs type II quantum dots</i>	[PB1-274]
Michael Scheibner		<i>Long Range Quantum Dot Interaction</i>	[PB1-229]
Matthias Schwab	Universität Dortmund	<i>Controlling emission dynamics with magnetic and electric fields</i>	[PB1-178]
Jin Dong Song	Korea Institute of Science and Technology	<i>Structural and optical properties of InGaAs/GaAs quantum dots in an InGaAs well using repeated depositions of InAs/GaAs short-period superlattices for the application of optical communication</i>	[PB1-169]
Jaakko Sormunen		<i>Tunable InGaAsP/InP strain-induced quantum dots</i>	[PB1-189]
R. Stevenson	Research & Development	<i>Cancellation of fine structure splitting in quantum dots by a magnetic field</i>	[PB1-220]
Alexander Tartakovskii	Department of Physics and Astronomy	<i>Optically driven electronic and nuclear spin interactions in InGaAs quantum dots</i>	[PB1-206]
Kousuke Torii		<i>Redistribution of photogenerated carriers in neutral and charged InAs quantum dot systems</i>	[PB1-165]
Pavel Vagner		<i>Hartree-Fock versus quantum Monte Carlo study of persistent current in a one-dimensional ring with single scatterer.</i>	[PB1-276]
Andy Vidan		<i>Three Quantum Dots in a Ring</i>	[PB1-244]
Darren Walker	University of Nottingham	<i>Probing the excited states of ring shaped quantum dots embedded in a quantum well</i>	[PB1-227]
Evgeny Zibik	University of Sheffield	<i>Singlet and triplet polaron lifetimes in n-type self-assembled InAs/GaAs quantum dots</i>	[PB1-195]

Poster Session B2

Tuesday, July 12th, 2005 - 16:00 to 18:00

Quantum Wires

Enchantment Ballroom, Second Floor

Clive Harris		<i>Theory of the energy gap of germanium and silicon nanowires</i>	[PB2-222]
Michael Knop		<i>Nonlocal versus local rectification in multiply connected electron waveguide structures</i>	[PB2-101]
Jens Könnemann		<i>Metal-insulator-transition studied by single-electron tunneling</i>	[PB2-113]
Junichi Motohisa	Hokkaido University	<i>Fabrication of InP-based axial/radial heterostructure nanowires by selective area MOVPE</i>	[PB2-148]
Junichi Motohisa	Hokkaido University	<i>Growth and Optical Properties of Hexagonal Nanowire Arrays</i>	[PB2-150]
Satoshi Shimomura	Osaka University	<i>1.3- &mu;m-range effectively cylindrical In_{0.53}Ga_{0.47}As/In_{0.52}Al_{0.48}As quantum wires grown on (221)A InP substrates by molecular beam epitaxy</i>	[PB2-254]
Marcos Tavares	Faculdade de Tecnologia da Baixada Santista, CEETPS-SP	<i>Room temperature effects on coupled plasmon-phonon modes in quantum wires</i>	[PB2-130]
Xuelun Wang	National Institute of Advanced Industrial Science and Technology (AIST)	<i>Observation of Strong Fermi-edge Singularity of Ultrahigh Quality Modulation-doped AlGaAs/GaAs Quantum Wires</i>	[PB2-061]

Helge Weman	Ecole Federale Polytechnique de Lausanne (EPFL)	<i>Strongly reduced carrier/exciton transfer efficiency between parallel quantum wires: a comparison with quantum wells</i>	[PB2-190]
Ulrich Wieser	Ruhr-Universität Bochum	<i>Quantized conductance and bend resistance in an asymmetric Si/SiGe cross junction</i>	[PB2-110]
Hong Qi Xu	Lund University	<i>Electronic structure and giant polarization anisotropy in optical transition of free-standing semiconductor nanowires</i>	[PB2-038]

Poster Session B3

Tuesday, July 12th, 2005 - 16:00 to 18:00

Modeling, Processing and Probing Nanostructures

Enchantment Ballroom, Second Floor

Stephen Fahy		<i>Theory of exciton linewidth broadening and reduced mobility in GaNAs alloys</i>	[PB3-250]
Danylo Grygoryev	Humboldt-Universität Berlin	<i>Self-organization and morphology of nano-objects investigated by 3D mapping of reciprocal space</i>	[PB3-117]
Jenn-Shyong Hwang	National Cheng Kung University	<i>Studies of Terahertz Radiation from InAlAs and GaAs Surface Intrinsic-N⁺ Structures and the Critical Electric Fields of Semiconductors</i>	[PB3-103]
Jenn-Shyong Hwang	National Cheng Kung University	<i>Effects of epitaxial strain and atomic ordering of InGaPN/GaAs heterostructures</i>	[PB3-106]
Ryuji Katayama	The University of Tokyo	<i>Buffer design for nitrogen polarity GaN on shapphire(0001) by RF-MBE and application to the nanostructure formation using KOH etching</i>	[PB3-200]
Slavo Kicin	Nanophysics	<i>Defect location obtained from scanning a metallic tip close to a quantum point contact</i>	[PB3-046]
Max Migliorato	University of Sheffield	<i>Modelling of Semiconductor Materials e Nanostructures Using Empirical Potentials</i>	[PB3-263]
Amalia Patane	University of Nottingham	<i>The fragmented band structure of dilute Ga(AsN): fundamental studies and applications</i>	[PB3-064]
Mika Prunnila	VTT Technical Research Centre of Finland	<i>Self-aligned control of doping profiles in semiconductor nanostructures</i>	[PB3-146]
Joerg Teubert		<i>Influence of hydrogenation on the magnetoresistance properties in doped (Ga,In)(N,As)</i>	[PB3-125]
Joerg Teubert		<i>Excitation transfer between extended band states and N-related localized states in GaN_xP_{1-x}</i>	[PB3-126]

Poster Session B4

Tuesday, July 12th, 2005 - 16:00 to 18:00

Magnetism and Spin in Nanostructures [I]

Enchantment Ballroom, Second Floor

David Austing	National Research Council of Canada	<i>Few-electron spin configurations and two-electron singlet-triplet separation in circular and rectangular vertical quantum dot mesas in a magnetic field:</i>	[PB4-059]
Dan Csontos		<i>Spin injection and accumulation in inhomogeneous semiconductors</i>	[PB4-092]
Jens Herfort	Paul-Drude Institute for Solid State Electronics	<i>Epitaxial Heusler alloys on GaAs(001) substrates</i>	[PB4-013]
Susumu Ihara		<i>Spin-polarized electron transport across a GaAs/GaAs wafer-bonded interface probed by polarized photoluminescence spectroscopy</i>	[PB4-074]
Sanghoon Lee		<i>Enhancement of spin polarization in asymmetrically coupled CdSe and CdZnMnSe quantum dots in ZnSe matrix</i>	[PB4-011]
Seung Joo Lee	Dongguk University	<i>Material dependence of spin currents modulated by electromagnetic barriers in semiconductor nano-wires</i>	[PB4-006]
Chaoxing Liu	Tsinghua University	<i>Rashba Interaction as a Yang-Mills Field Applied to One-Dimensional System</i>	[PB4-052]
Oleg Maksimov		<i>Spin relaxation in ZnCdSe epilayers, ZnCdSe/MgZnCdSe quantum wells, and CdSe/BeZnSe quantum dots</i>	[PB4-063]
Ken Morita	Japan Science and Technology (JST)	<i>Anomalous spin dynamics due to strong anisotropy in narrow InGaAs (110) quantum wells</i>	[PB4-067]
Philip Poole	National Research Council of Canada	<i>Electron spin-orbit interaction in InGaAs/InP quantum well studied by means of the weak antilocalization and spin-zero effects in tilted magnetic fields</i>	[PB4-003]

Piotr Sankowski	Polish Academy of Sciences	<i>Tight-binding model of spin-polarized tunneling in (Ga,Mn)As-based structures</i>	[PB4-023]
Tigran Shahbazyan		<i>Two-dimensional magnetoexcitons in the presence of spin-orbit interactions</i>	[PB4-034]
Jerzy Wróbel	Polish Academy of Sciences	<i>Spin filtering and Stern-Gerlach effect in hybrid ferromagnet-GaAs/GaAlAs device</i>	[PB4-045]
Wen Xu	Australian National University	<i>Exchange-enhanced spin-splitting in high-density 2DEGs in the presence of the Rashba effect</i>	[PB4-008]
Kyung-Soo Yi	Pusan National University	<i>Doping Profile vs Spin Carrier Distributions, Subband Structure, and Spontaneous Magnetization of Selectively Mn-doped DMS Quantum Wells</i>	[PB4-066]

Poster Session C1

Thursday, July 14th, 2005 - 16:00 to 18:00

Magnetism and Spin in Nanostructures [II]

Enchantment Ballroom, Second Floor

Nikolay Akopian		<i>Polarization Indistinguishable Correlated Photons from Spin Blockaded Radiative Cascades in Charged Semiconductor Quantum Dots</i>	[PC1-205]
Ashwin Ashok		<i>Modeling Ballistic Spin Transport in GaAs/Al_xGa_{1-x}As Heterostructures</i>	[PC1-225]
Markus Beck	Universität Erlangen	<i>Spatially resolved Faraday rotation measurements of spin transport and strain-induced spin precession</i>	[PC1-201]
Anadi Bhattacharjee	Universite Paris-Sud	<i>Transition metal-doped quantum dots: Optical detection and manipulation of spin states</i>	[PC1-124]
Pavel Blajnov		<i>Spin Polarization by a Lateral Current in a Single AlGaAs/GaAs Heterojunctions</i>	[PC1-121]
Dominique Bougeard	Technische Universität Muenchen	<i>Ferromagnetic Ge(Mn) Nanostructures</i>	[PC1-119]
Guillaume Cassabois		<i>Breakdown of the frozen exciton spin picture in quantum dots</i>	[PC1-120]
Yuan-Huei Chang	National Taiwan University	<i>Contactless electroreflectance studies of the band filling effect in Ga_{1-x}Mn_xAs and GaAs:Be</i>	[PC1-037]
Shun-Jen Cheng	National Chiao Tung University	<i>Paramagnetism of Interacting Few-Electron Quantum Dot with Single Magnetic Impurity</i>	[PC1-075]
Chon-Sarr Chu	National Chiao Tung University	<i>Effects of impurity on the dc spin current generation in a Rashba-type channel</i>	[PC1-192]
Stefanie Döhrmann	Universität Hannover	<i>Temperature Dependence of the Electron g Factor in GaAs</i>	[PC1-131]
Stefanie Döhrmann	Universität Hannover	<i>Room Temperature Threshold Reduction in Vertical-Cavity Surface-Emitting Spin Lasers</i>	[PC1-133]
Abdelhamid El Kaaouchi		<i>Positive magnetoresistance behaviour in the variable range hopping regime in CdSe</i>	[PC1-105]
Daniel Gruber		<i>g-Factor Tuning of 2D Electrons in Double-Gated Si/SiGe Quantum wells</i>	[PC1-218]
Vitaliy Guzenko		<i>Effect of confinement on the weak anti-localization in InGaAs/InP quasi-1D structures.</i>	[PC1-129]
Dejan Gvozdic		<i>Beyond the Rashba model</i>	[PC1-240]
Pham Hai		<i>Spin polarized tunneling in III-V based heterostructures with a ferromagnetic MnAs thin film and GaAs:MnAs nanoclusters</i>	[PC1-093]
Jens Herfort	Paul-Drude Institute for Solid State Electronics	<i>Temperature dependence of the magnetization of Fe nanodisks on GaAs(001) substrates</i>	[PC1-012]
Hee Chang Jeon		<i>Magnetic isotropic properties of zinc-blende MnAs epilayer grown by MBE</i>	[PC1-147]
Makoto Kohda		<i>Effect of different n⁺-GaAs thickness/doping density on spin injection of GaMnAs/n⁺-GaAs Esaki tunnel junctions</i>	[PC1-158]
Piotr Kossacki	Warsaw University	<i>Relaxation dynamics of ferromagnetic domains in (Cd,Mn)Te quantum wells</i>	[PC1-210]
Olivier Krebs		<i>Influence of a small magnetic field on the electron spin relaxation in a single InAs/GaAs quantum dot</i>	[PC1-221]
Dmitriy Krizhanovskiy		<i>Polarisation of optical parametric oscillator (OPO) emission in a semiconductor microcavity</i>	[PC1-144]
Rainer Lechner	Johannes Kepler Universitaet	<i>Strain induced changes in the magnetic phase diagram of metamagnetic heteroepitaxial EuSe/PbSeTe multilayers</i>	[PC1-026]
Wolfgang Loeffler		<i>Electrical Spin Injection from ZnMnSe into InGaAs-based Quantum Structures</i>	[PC1-145]

Lev Magarill	Russian Academy of Sciences - Siberian Branch	<i>Suppression of spin-orbit effects in 1D system</i>	[PC1-248]
Shunichiro Matsuzaka		<i>A systematic study on the anisotropic electron g-factor and hysteric dynamic nuclear polarization in n-GaAs/AlGaAs (110) quantum wells</i>	[PC1-094]
Seiji Nagahara	University of Tokyo	<i>Long spin relaxation time in InGaN multi-quantum wells: Suppression of the spin-flip process caused by the phase-separated dot formation</i>	[PC1-262]
Ruth Oulton		<i>Demonstration of All-Optical, Non-resonant Pumping of Nuclear Spins of Self-Assembled Quantum Dots in Zero Applied Magnetic Field</i>	[PC1-171]
Ruth Oulton		<i>Optically Induced Spin Coherence in Self-Assembled InGaAs/GaAs Quantum Dots</i>	[PC1-199]
Maximilian Rogge		<i>Spin in the transport spectra of a quantum dot with a complex geometry in a magnetic field</i>	[PC1-173]
Nitin Samarth	Pennsylvania State University	<i>Magneto-resistance measurements of domain wall trapping in submicron planar (Ga,Mn)As devices</i>	[PC1-209]
Andrey Silov		<i>Spin Polarization by a Lateral Current in a Single AlGaAs/GaAs Heterojunctions</i>	[PC1-121]
Alexander Tartakovskii	Department of Physics and Astronomy	<i>Optical orientation and control of spin-memory in individual InGaAs quantum dots</i>	[PC1-204]
Tetsuya Uemura		<i>Analysis of anisotropic tunnel magneto-resistance of GaMnAs/AlAs/GaMnAs magnetic tunnel junction</i>	[PC1-033]
Syoji Yamada	National Institute of Advanced Industrial Science and Technology (AIST)	<i>Side-Gate Control of Rashba Spin-Orbit Coupling in Channels at Narrow-Gap Hetero-Junctions</i>	[PC1-253]
Masayuki Yamamoto	Sophia University	<i>Spin polarization induced by Rashba spin-orbit coupling in three terminal devices</i>	[PC1-243]
Kanji Yoh		<i>Electrical characterization of an Fe/InGaAs spin FET structure at room temperature</i>	[PC1-264]

Poster Session C2

Thursday, July 14th, 2005 - 16:00 to 18:00

Novel Organic and Semiconductor Devices

Enchantment Ballroom, Second Floor

S. Chen		<i>Dielectric Screening for Carbon Nanotubes in a Gating Electric Field</i>	[PC2-024]
Gottfried Doehler	Universität Erlangen-Nuernberg	<i>A monolithically integrated intensity-independent polarization-sensitive switch operating at 1.3 μm based on ordering in InGaAsP</i>	[PC2-231]
Rui He		<i>Probing ultra-smooth pentacene single monolayers by optical methods</i>	[PC2-228]
Yen Ho	National Cheng Kung University	<i>Electronic excitations of double-walled armchair carbon nanotubes</i>	[PC2-018]
Jon Ho		<i>Temperature-Dependent Electronic Excitations in a 2D Graphite Layer</i>	[PC2-019]
Sungwoo Hwang	Korea University	<i>Gate bias controlled NDR in an in-plane-gate quantum dot transistor</i>	[PC2-099]
Heongkyu Ju	Eindhoven University of Technology	<i>Two-photon-absorption-assisted Tera Hz optical gain-modulation in quantum-dot optical amplifiers</i>	[PC2-112]
Erich Kaufmann		<i>Optoelectronic lead-salt devices for integrated mid-infrared gas spectroscopy systems</i>	[PC2-166]
Robert Kelsall	University of Leeds	<i>Modulated Electronic Structures based on Discotic Liquid Crystals</i>	[PC2-251]
Santhosh Krishnan		<i>A Monte Carlo particle based simulation of hole transport in p-Channel Si MOSFETs</i>	[PC2-219]
Chi-Te Liang		<i>Growth and characterization of GaN/AlGaIn high electron mobility transistors on p-type Si substrates</i>	[PC2-271]
Chilang Lu		<i>Low-Energy Electronic Properties of Multilayer Graphite in an electric field</i>	[PC2-076]
German Luna-Acosta		<i>Microlasers and beam splitters based on chaotic open waveguides</i>	[PC2-280]
Kelly McGroddy		<i>Tailoring the properties of photonic crystals for light extraction in GaN</i>	[PC2-269]
David Mowbray	University of Sheffield	<i>Optical properties and lasing characteristics of high modulation doped 1.3 μm InAs self-assembled quantum dots</i>	[PC2-123]
Takeshi Noda	National Institute for Materials Science (NIMS)	<i>Current-voltage characteristics in double-barrier resonant tunneling diodes with embedded GaAs quantum rings</i>	[PC2-161]

Hajime Okamoto		<i>A Piezoresistive Cantilever Integrating an InAs-based Semiconductor-Superconductor Junction</i>	[PC2-032]
Nikos Pelekanos		<i>Influence of polarization fields on the lasing properties of III-nitride quantum wells</i>	[PC2-235]
Dirk Reuter	Ruhr-Universität Bochum	<i>Optical beam induced current in planar two-dimensional n-p-n devices</i>	[PC2-021]
Martin Sigrist	ETH Zurich	<i>Few-electron dot fabricated with layered scanning force microscope lithography</i>	[PC2-041]
Khan Tarik		<i>Study of the DC characteristics features of the Schottky Junction Transistor or SOI - MESFETs</i>	[PC2-256]
S. Wu		<i>Electronic Properties of Armchair Carbon Nanotube Array</i>	[PC2-043]
Qi-Zhong Yang	Darwing College	<i>Manufacturability of split-gate transistor devices-initial results</i>	[PC2-088]

Poster Session C3

Physics and Devices for Quantum Information and Communication

Thursday, July 14th, 2005 - 16:00 to 18:00

Enchantment Ballroom, Second Floor

Gabriel Bester		<i>Theory of Quantum Entanglement in InGaAs/GaAs Quantum Dot Molecules</i>	[PC3-083]
Marian Florescu	California Institute of Technology	<i>Single photons on demand from photonic crystal heterostructures</i>	[PC3-127]
Marian Florescu	California Institute of Technology	<i>All-Optical Switching and Micro-Transistor Action in Photonic Crystal Architectures</i>	[PC3-128]
Marian Florescu		<i>One-atom laser in photonic crystals</i>	[PC3-136]
Marian Florescu		<i>Stimulated Raman Scattering in Photonic Crystals</i>	[PC3-216]
Hidekazu Kumano	Hokkaido University	<i>Correlations and anti-bunching of a charged exciton state and exciton and biexciton states in a single quantum dot</i>	[PC3-245]
Anton Malko	Ecole Polytechnique Federale de Lausanne	<i>Single photon emitters based on InGaAs/AlGaAs pyramidal quantum dots.</i>	[PC3-053]
Kevin Osborn		<i>An InGaAs/GaAs quantum dot single-photon source</i>	[PC3-265]
Stephan Reitzenstein	Universität Wuerzburg	<i>Lasing effects of InGaAs quantum dots in high quality AlAs/GaAs micropillar cavities</i>	[PC3-217]
Stefan Stuffer	Universität Paderborn	<i>Manipulations of a qubit in a semiconductor quantum dot</i>	[PC3-080]
Jane Timpson		<i>Polarisation control and single photon emission enhancement of a quantum dot in a three dimensional ultra-high finesse microcavity</i>	[PC3-198]