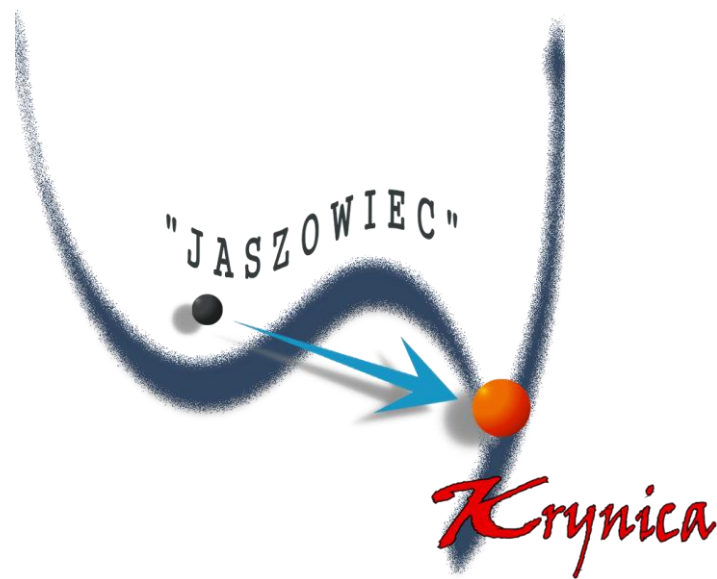


**40th "Jaszowiec" 2011
International School and Conference
on the Physics of Semiconductors**

**KRYNICA-ZDRÓJ, POLAND
June 25th – July 1st, 2011**



Institute of Physics, Polish Academy of Sciences
Institute of Experimental Physics & Institute of Theoretical
Physics at the Faculty of Physics, University of Warsaw
Institute of High Pressure Physics, Polish Academy of Sciences
Committee on Physics, Polish Academy of Sciences
Foundation "Pro Physica"
U.S. Army Forward Element Command-Atlantic

<http://www.ifpan.edu.pl/jaszowiec>

WARSAW 2011

Saturday, June 25th, 2011

9:20 -- 9:30 **Jacek Szczytko** – School opening address

INVITED LECTURES (SaI1, SaI2)

9:30 – 12:30 **Detlef Hommel** (University of Bremen, Germany)
Modern technologies for semiconductor epitaxy and nano-processing

15:00 – 18:00 **Aldo Di Carlo** (University of Rome “Tor Vergata”, Italy)
Physical simulation of electronic devices

19:00 **Barbecue** (on the terrace of the ‘Geovita’ hotel)

Sunday, June 26th, 2011

INVITED LECTURES (SuI1, SuI2)

9:30 – 12:30 **Gerhard Abstreiter** (Walter Schottky Institut and Institute for Advanced Study TU München, Germany)
Physics and Technology of Arsenide Based Quantum Dots and Nanowires

15:00 – 18:00 **Debdeep Jena** (University of Notre Dame, USA)
Tutorial: Engineering of Electric Fields in Nitride-Based Semiconductors

20:30 – 21:30 **Concert** – chamber music performed by young artists,
laureates of international music competitions

Angelika Kumięga (violin)
Agata Bąk (cello)
Michał Kubarski (accordion)

21:30 **Welcoming glass of wine**

Monday, June 27th, 2011

8:50 -- 9:00 Czesław Skierbiszewski – Conference opening address

INVITED TALKS (MoI1 ... MoI4)

Chair – Marian Grynberg (Institute of Physics, University of Warsaw)

9:00 – 10:00 **Joerg Wrachtrup** (University of Stuttgart, Germany)
Coherent optical control of the NV center in diamond

10:00 – 10:10 Break

10:10 – 11:10 **Tomasz Dietl** (Institute of Physics, Polish Academy of Sciences)
Understanding and exploiting magnetism of semiconductors

11:10 – 11:40 Coffee break

Chair – Jacek Kossut (Institute of Physics, Polish Academy of Sciences)

11:40 – 12:40 **Łukasz Kłopotowski** (Institute of Physics, Polish Academy of Sciences)
Charging Effects in Self Assembled CdTe Quantum Dots

12:40 – 12:50 Break

12:50 – 13:50 **Grzegorz Sęk** (Wrocław University of Technology, Poland)
Optical properties of strongly in-plane asymmetric epitaxial nanostructures

CONTRIBUTED TALKS (MoO1 ... MoO6)

Chair – Detlef Hommel (University of Bremen, Germany)

19:15 – 19:30 **P. Utko**, R. Ferone, I.V. Krive, R.I. Shekhter, M. Jonson, M. Monthieux, L. Noe, J. Nygård
Coupling between electronic and vibrational excitations in carbon nanotubes filled with C60 fullerenes

19:30 – 19:45 **A. Urbańczyk**, F.W.M. van Otten, R. Nötzel
Solid-state self assembly: a route to hybrid metal-semiconductor epitaxial nanostructures

19:45 – 20:00 **M. Galicka**, P. Kacman, R. Buczko
First-Principles Study of Doped III–V nanowires

20:00 – 20:10 Break

20:10 – 20:25 **F. Schuster**, P. Kopyt, P. Lukasik, W. Gwarek, D. Coquillat, F. Teppe, B. Giffard, W. Knap
Terahertz Detectors Based on Low Cost 130 nm Silicon Field Effect Transistors

20:25 – 20:40 **P. Wojnar**, E. Janik, S. Kret, A. Petrouchik, M. Goryca, T. Kazimierczuk, P. Kossacki, G. Karczewski, T. Wojtowicz
Growth of optically active CdTe quantum dots in ZnTe nanowires

20:40 – 20:55 **J.M. Schneider**, B.A. Piot, I. Sheikin, G.A. Goncharuk, P. Vasek, P. Svoboda, Z. Vyborny, L. Smrcka, M. Orlita, M. Potemski, D.K. Maude
Electronic properties of graphite

21:05 – 23:00 **MONDAY POSTER SESSION (MoP1 ... MoP60)**

Tuesday, June 28th, 2011

INVITED TALKS (TuI1 ... TuI4)

Chair – Michał Nawrocki (Institute of Physics, University of Warsaw)

- 9:00 – 10:00** **Alex Greilich** (Technische Universität Dortmund, Germany)
Optical control of one and two spins in interacting quantum dots
- 10:00 – 10:10 Break
- 10:10 – 11:10** **Shaffique Adam** (National Institute of Standards and Technology, USA)
Graphene Transport Properties
- 11:10 – 11:40 Coffee Break

Chair – Jacek Majewski (Institute of Physics, University of Warsaw)

- 11:40 – 12:40** **Arkadiusz Wójs** (Wrocław University of Technology, Poland)
Theoretical search for non-Abelian statistics in fractional quantum Hall states
- 12:40 – 12:50 Break
- 12:50 – 13:50** **Dmitry Krizhanovskii** (University of Sheffield, UK)
Polariton condensation in dynamic acoustic lattices

CONTRIBUTED TALKS (TuO1 ... TuO6)

Chair – Maciej Bugajski (Institute of Elektron Technology, Warsaw, Poland)

- 15:30 – 15:45** **K. Nogajewski**, K. Karpierz, M. Grynberg, W. Knap, R. Gaska, J. Yang, M.S. Shur, J. Łusakowski
Resonant Terahertz Absorption by Magnetoplasmons in Grating-Gate GaN/AlGaN-based Field-Effect Transistors
- 15:45 – 16:00** **K. Milowska**, M. Birowska, J.A. Majewski
Structural and electronic properties of functionalized graphene
- 16:00 – 16:15** **O. Proselkov**, W. Stefanowicz, S. Dobkowska, J. Sadowski, T. Dietl, M. Sawicki
Analysis of the magnetic anisotropy in ultrathin GaMnAs
- 16:15 – 16:25 Break
- 16:25 – 16:40** **M. Goryca**, P. Plochocka, P. Wojnar, T. Kazimierczuk, M. Potemski, P. Kossacki
Spin-lattice relaxation of a single Mn²⁺ ion in a CdTe quantum dot
- 16:40 – 16:55** **T. Kazimierczuk**, M. Goryca, P. Wojnar, A. Golnik, P. Kossacki
Magnetophotoluminescence of CdTe/ZnTe Quantum Dots: G-factor and Diamagnetic Shift Variation in a Single Dot
- 16:55 – 17:10** **T. Jakubczyk**, W. Pacuski, A. Golnik, C. Kruse, D. Hommel, H. Hilmer, R. Schmidt-Grund, J.A. Gaj
Control over CdTe Quantum Dots Emission using ZnTe-based Micropillar Cavities
- 17:30 – 19:15** **TUESDAY POSTER SESSION (TuP1 ... TuP58)**
- 20:00** **Conference Banquet**

Wednesday, June 29th, 2011

INVITED TALKS (WeI1 ... WeI4)

Chair – Tomasz Story (Institute of Physics, PAS)

- 9:00 – 10:00** **Tomas Jungwirth** (Institute of Physics, Academy of Sciences of the Czech Republic)
Spintronics with antiferromagnetic materials
- 10:00 – 10:10 Break
- 10:10 – 11:10** **Ewelina M. Hankiewicz** (Universitaet Wuerzburg, Germany)
Transport in topological insulators
- 11:10 – 11:40 Coffee Break

Chair – Piotr Perlin (Institute of High Pressure Physics, PAS)

- 11:40 – 12:40** **James Speck** (University of California, Santa Barbara)
Progress in Nonpolar and Semipolar GaN Materials and Devices
- 12:40 – 12:50 Break
- 12:50 – 13:50** **Yasushi Nanishi** (Ritsumeikan University, Japan, and Seoul National University, Korea)
Recent Progress of DERI process for growth of InN and Related Alloys

CONTRIBUTED TALKS (WeO1 ... WeO6)

Chair – Andrzej Suchocki (Institute of Physics, PAS)

- 19:15 – 19:30** **N. Gonzalez Szwacki**, J. A. Majewski, T. Dietl
Properties of TM pairs in the bulk and at the surface of GaN with and without Si or Mg codoping
- 19:30 – 19:45** A. Bonanni, **W. Stefanowicz**, M. Sawicki, T. Devillers, B. Faina, T. Li, T.E. Winkler, D. Sztenkiel, A. Navarro-Quezada, M. Rovezzi, R. Jakieła, A. Meingast, G. Kothleitner, T. Dietl
Experimental Probing of Exchange Interactions Between Localized Spins in a Dilute Magnetic Insulator (Ga,Mn)N
- 19:45 – 20:00** **M. Birowska**, C. Śliwa, K. Milowska, J.A. Majewski, T. Dietl
Origin of uniaxial magnetic anisotropy in (Ga,Mn)As
- 20:00 – 20:10 Break
- 20:10 – 20:25** **E. Calleja**, A. Bengoechea-Encabo, S. Albert, M.A. Sanchez-García, F. Barbagini, E. Luna, A. Trampert, U. Jahn, P. Lefebvre
Understanding the Selective Area Nucleation and Growth of GaN
- 20:25 – 21:40** **S.P. Łepkowski**, I. Gorczyca
Influence of composition and atomic arrangement on elastic properties of wurtzite InGa_xAl_{1-x}N alloys
- 20:40 – 20:55** **H. Turski**, M. Siekacz, M. Sawicka, G. Cywiński, C. Cheze, S. Grzanka, Z. Wasilewski, P. Perlin, G. Muzioł, J. Pawłowska, I. Grzegory, C. Skierbiszewski
InGa_xN laser diodes operating at 450-460 nm grown by RF-Plasma MBE
- 21:05 – 23:00** **WEDNESDAY POSTER SESSION (WeP1 ... WeP58)**

Thursday, June 30th, 2010

SYMPOSIUM
"Physics and modeling of devices "

INVITED TALKS (ThI1 ...ThI9)

Chair – Marek Godlewski (Institute of Physics, PAS)

- 9:00 – 9:30** **Maciej Bugajski** (Institute of Elektron Technology, Warsaw, Poland)
Quantum Cascade Lasers
- 9:30 – 10:00** **Wlodek Walukiewicz** (Lawrence Berkeley National Laboratory, USA)
New Concepts and Materials for Solar Power Conversion Devices
- 10:00 – 10:10 Break
- 10:10 – 10:40** **Danek Elbaum** (Institute of Physics, Polish Academy of Sciences)
ZnO biosensing
- 10:40 – 11:10** **Katarzyna Holc** (Institute of High Pressure Physics, Warsaw, Poland)
Nitride laser diodes
- 11:10 – 11:30 Coffee break

Chair – Zbigniew Żytkiewicz (Institute of Physics, PAS)

- 11:30 – 12:00** **Detlef Hommel** (University of Bremen, Germany)
Application of CdSe quantum dots for single photon emitters at room temperature
- 12:00 – 12:30** **Wojciech Knap** (University of Montpellier, France)
THz emitters based on GaN/AlGaIn HEMTs
- 12:30 -- 13:00** **Tomasz Stobiecki** (AGH University of Science and Technology, Kraków, Poland)
Spin transfer torque in TMR and GMR nanostructures for spintronic devices

Chair – Zbig Wasilewski (National Research Council, Canada)

- 15:00 – 15:30** **Jan Dziuban** (Wrocław University of Technology, Poland)
Si-based MEMS devices
- 15:30 – 16:00** **Zbigniew Kuźnicki** (Ecole Nationale Supérieure de Physique, Illkirch-Graffenstaden)
Giant photoconversion on silicon driven materials
- 16:00** **Czesław Skierbiszewski – Closing address**
- 19:00** **Farewell dinner**

MONDAY POSTER SESSION (MoP1 ...MoP60)

1. K.A. Kolwas, G. Grabecki, S. Trushkin, Ł. Cywiński, M. Aleszkiewicz, T. Dietl, G. Springholz, G. Bauer
Nonlocal transport in PbTe/PbEuTe microstructures
2. M. Szot, L. Kowalczyk, E. Smajek, B. Taliashvili, P. Dziawa, W. Knoff, A. Reszka, V. Domukhovski, E. Łusakowska, P. Dłużewski, M. Wiater, T. Wojtowicz, T. Story, M. Bukała, R. Buczko, P. Kacman
Optical transitions in PbTe/CdTe quantum wells grown by molecular beam epitaxy on GaAs (001) and BaF₂ (111) substrates
3. A. Wołoś, A. Drabinska, M. Kaminska, G. Strzelecka, A. Hruban, A. Materna, M. Piersa, Z. Wilamowski
Properties of three-dimensional topological insulators studied by microwave resonance spectroscopy
4. A. Duzynska, A. Kaminska, H. Teisseyre, E. Przedziecka, D. Dobosz, Z.R. Zytkeiwicz, A. Kozanecki, J.D. Fidelus, A. Durygin, V. Drozd, R. Hrubak, A. Suchocki
Analysis of Optical Properties and Pressure Dependence of the Energy Gap of ZnO Layers, Bulk and Nano-Powders
5. A. Radzvilavicius, E. Anisimovas
Defect structure of two-dimensional Wigner crystals
6. A. Korbecka, J.A. Majewski
Gauge invariant computational scheme for heterostructures in magnetic field
7. M. Bukała, P. Sankowski, R. Buczko, P. Kacman
Modeling PbTe-based low dimensional structures
8. A. Hruban, A. Materna, W. Dalecki, G. Strzelecka, M. Piersa, E. Jurkiewicz-Wegner, R. Diduszko, M. Romaniec, W. Orłowski
Topological insulators – materials for fundamental researches and perspective applications
9. M. Chwastyk, P.T. Różański, M. Zieliński
Atomistic calculation of screened Coulomb interactions in semiconductor nanostructures
10. M. Birowska, K. Milowska, J.A. Majewski
Van der Waals Density Functionals in Materials Science
11. T. Groń, E. Malicka, A.W. Pacyna, H. Duda, J. Krok-Kowalski
Hopkinson-Like Effect in Single-Crystalline CdCr₂Se₄ Semiconductor
12. Ł. Wachnicki, B.S. Witkowski, S. Gieraltowska, E. Janik, M. Godlewski, E. Guziewicz
Optical and structural characterization of zinc oxide nanostructures obtained by Atomic Layer Deposition method

13. V.V. Khomyak, M.I. Ilaschuk, O.A. Parfenyuk, V.V. Brus, Z.D. Kovalyuk
Electrical properties of surface-barrier structures $n\text{-Zn}_{1-x}\text{Cd}_x\text{O}/p\text{-CdTe}$
14. E.A. Wolska, D. Sibera, B.S. Witkowski, S.A. Yatsunencko, I. Pelech, U. Narkiewicz, M. Godlewski
Photoluminescence and chromaticity properties of ZnO nanopowders obtained by a microwave solvothermal method
15. T. Ščepka, D. Gregušová, R. Kúdela, Š. Gaži, V. Cambel
Technology and testing the mechanical properties of the InGaP/GaAs/InGaP microcantilevers
16. M.A. Borysiewicz, E. Dynowska, V. Kolkovsky, J. Dyczewski, E. Kamińska, A. Piotrowska
ZnO thin films of different crystalline structures grown on Si (100) substrates by reactive DC sputter deposition
17. W. Knoff, M.A. Pietrzyk, B.A. Orłowski, B. Taliashvili, T. Story, R.L. Johnson
Comparison of the valence band of amorphous and crystalline GeTe and (Ge,Mn)Te layers
18. A. Pietnoczka, R. Bacewicz, T. Słupiński, S.H. Wei, M. Jie, J. Antonowicz, T. Drobiazg
Local Structure Study of GaAs:Te Using Te K-edge X-ray Absorption Fine Structure
19. A. Taube, K. Korwin-Mikke, R. Mroczyński, S. Gierałtowska, A. Łaszcz, I. Pasternak, M. Sochacki, M. Zychowska, J. Dyczewski, M. Zdrojek, E. Dynowska, A. Piotrowska
Thermal Stability of HfO₂/SiO₂ Gate Stack on Silicon Substrate
20. M. Iwińska, D. Pierścińska, K. Pierściński, A. Szerling, P. Karbownik, M. Bugajski
Investigation of thermal properties of AlGaAs/GaAs Quantum Cascade Lasers by thermoreflectance spectroscopy
21. P. Łach, M.G. Brik, I. Sildos, A. Kamińska, A. Suchocki
Luminescence properties of Sm³⁺ in different phases of TiO₂
22. L.A. Karachevtseva, S.Ya. Kuchmii, O.A. Lytvynenko, F.F. Sizov, O.J. Stronska, A.L. Stroyuk
Investigation of electro-optical properties of 2D macroporous silicon
23. G.V. Lashkarev, A.M. Yaremko, V.A. Karpyna
Investigation of multi-phonon excitations in ZnO textured crystalline films by Raman spectroscopy
24. M.L. Peres, V.A. Chitta, D.K. Maude, N.F. Oliveira Jr., P.H. Rappl, A.Y. Ueta, E. Abramof
Rashba effect in n-type PbTe/Pb_{1-x}Eu_xTe Quantum Wells

25. I.I. Shtepliuk, G.V. Lashkarev, O.Yu. Khyzhun, V.V. Khomyak, V.I. Lazorenko, I.I. Timofeeva, L.A. Klochkov, B. Kowalski, A. Reszka
Enhancement the intensity of ultraviolet luminescence of ZnO film upon doping isovalent impurity of cadmium
26. V.V. Brus, Z.D. Kovalyuk, P.D. Maryanchuk
Optical Properties of TiO₂ – MnO₂ Thin Films Prepared by the Electron-Beam Evaporation Technique
27. S. Gierałowska, Ł. Wachnicki, B.S. Witkowski, T.A. Krajewski, M. Godlewski, E. Guziewicz
Properties of high-k oxides grown by Atomic Layer Deposition method for transparent electronics
28. E. Maciążek, T. Groń, A.W. Pacyna, T. Mydlarz, J. Krok-Kowalski
High Spin-Low Spin Transitions in Cu_{0.2}Co_{0.76}Cr_{1.83}Se₄ Semiconductor
29. D. Shevchenko, J. Mickevičius, G. Tamulaitis, N. Starzhinskiy, K. Katrunov, V. Ryzhikov
Photoluminescence Study of ZnSe Scintillating Crystals Doped with Isovalent Tellurium and Oxygen
30. K. Olender, T. Wosiński, A. Mąkosa, P. Dłużewski, V. Kolkovsky, G. Karczewski
Native Deep-Level Defects in MBE-Grown p-Type CdTe
31. P. Urbanowicz, E. Tomaszewicz, T. Groń, H. Duda, Z. Kukuła
Residual Paramagnetism at High-Temperature CuEu₂W₂O₁₀ and Cu₃Eu₂W₄O₁₈ Semiconductors
32. M.V. Radchenko, G.V. Lashakrev, M.E. Bugaiova, V.I. Sichkovskiy, V.I. Lazorenko, L.A. Krushynskaya, Y.A. Stelmakh, W. Knoff, T. Story
Ferromagnetic nanocomposite Co-Al₂O₃ as a spintronic material with engineered magnetic properties
33. D.M. Bercha, K.E. Glukhov, M. Sznajder, S.A. Bercha
The role of electron subsystem in the phase transition process in a layered CuInP₂S₆ crystal
34. A.I. Dmitriev
Van der Waals surface of InSe as a standard nanorelief in the metrology of nanoobjects
35. A. Kaminska, C.G. Ma, M.G. Brik, A. Kozanecki, M. Boćkowski, E. Alves, A. Suchocki
Crystal field analysis of the Yb³⁺ energy level scheme in III-V semiconductors
36. J. Wieszka, M. Domański, J. Jurusik, B. Hajduk, M. Chwastek, H. Bednarski
Studies of Electric Transport Properties of Single Layer Devices Based on the Polyazomethine Thin Films

37. R. Jarimavičiu-te.-Žvalionienė., I. Prosyčėvas, Ž. Kaminskiene., S. Lapinskas
Optical properties of black silicon with precipitated silver and gold nanoparticles
38. I.P. Koziarskyi, P.D. Marianchuk, E.V. Mastruk, D.P. Koziarskyi
Optical Properties of Crystals (3HgSe)_{0.5}(In₂Se₃)_{0.5}, (3HgS)_{0.5}(In₂S₃)_{0.5}, (3HgS)_{0.5}(Al₂S₃)_{0.5}, (3HgSe)_{0.5}(Al₂Se₃)_{0.5}, Doped with Mn or Fe
39. N.S. Yurtsenyuk
Self-Compensation Mechanism in Semi-Insulating CdMnTe:Sn Crystals Intended for X/γ-Ray Detectors
40. J. Krok-Kowalski, G. Władarz, T. Groń, H. Duda, A.W. Pacyna, K. Nikiforov, P. Rduch
Influence of Cu, Ga and Au Dopants and Technology Conditions on the Magnetic Interactions in HgCr₂Se₄ Single Crystals
41. A.I. Ievtushenko, G.V. Lashkarev, V.I. Lazorenko, Z.J. Horvath, M.G. Dusheyko
The Photodetectors with Vertical Integration Based on ZnO Films
42. A.I. Ievtushenko, G.V. Lashkarev, V.I. Lazorenko, O.Y. Khyzhun, L.O. Klochkov, O.I. Bykov, V.M. Tkach, V.A. Baturin, A.Y. Karpenko
Features of the Properties for Nitrogen Doping and Al-N Codoping of ZnO Films
43. A.I. Ievtushenko, G.V. Lashkarev, V.I. Lazorenko, L.O. Klochkov, O.I. Bykov, O.M. Kutsay, S.P. Starik, V.A. Baturin, A.Y. Karpenko
Influence of Oxygen Pressure on the Properties of AZO Films
44. H. Duda, E. Malicka, T. Groń, A. Gağor, R. Sitko, J. Krok-Kowalski, P. Rduch
Thermoelectric Power of CuCr_xV_ySe₄ p-Type Spinel Semiconductors
45. H. Duda, P. Rduch, E. Malicka, T. Groń, A. Gağor
Critical Behaviour of the 3D-Heisenberg Ferromagnetic
46. J.M. Sajkowski, M.A. Pietrzyk, D. Dobosz, M. Stachowicz, A. Droba, E. Przeddziecka, A. Wierzbicka, A. Kozanecki
Optical properties of ZnO/ZnMgO single quantum wells grown by molecular beam epitaxy
47. B.A. Orłowski, S.P. Dziawa, A. Reszka, K. Gas, S. Mickievicius, S. Thiess, W. Drube
Electronic structure of CdTe/PbEuTe/CdTe
48. D. Ziółkowska, K.P. Korona, M. Kamińska, S.H. Wu, M.S. Chen
Raman Spectroscopy of LiFePO₄ and Li₃V₂(PO₄)₃ Cathode Materials for Lithium-Ion Battery Applications
49. M. Hosatte, M.Ł. Basta, B.S. Witkowski, Z.T. Kuźnicki, M. Godlewski
Multi-interface layered P-doped silicon structures for third generation photovoltaics
50. M. Stachowicz, E. Przeddziecka, D. Dobosz, M.A. Pietrzyk, J.M. Sajkowski, A. Droba, A. Wierzbicka, A. Kozanecki
Optical Properties of Thin ZnO Layers Grown by MBE

51. K. Gas, E. Dynowska, E. Janik, A. Kamińska, S. Kret, J.F. Morhange, I. Pasternak, M. Wiater, W. Zaleszczyk, R. Hołyst, E. Kamińska, T. Wojtowicz, W. Szuszkiewicz
ZnO-based Nanotubes Obtained by the Oxidation of ZnTe and ZnTe/Zn Nanowires
52. D. Żak, W. Nakwaski
Composition-dependent thermal resistance of multilayered structures taking into account phonon reflection, scattering and tunneling
53. A. Reszka, B.A. Orłowski, M.A. Pietrzyk, A. Szczerbakow, S. Mickievicius, S. Balakauskas, R.L. Johnson
Pb_{1-x}Ge_xTe surface with Sm²⁺ and Sm³⁺ doping
54. H. Bednarski, J. Weszka, M. Domański, V. Cozan
Studies of Optical Properties of Protonated Poliazomethine Thin Films
55. A.V. Atrashchenko, V.P. Ulin, V.P. Evtikhiev
The reasons of destruction of nanoporous GaAs matrix fabricated by electrochemical etching
56. E. Malicka, T. Groń, A.W. Pacyna, H. Duda, J. Krok-Kowalski
Effect of Substitution of Ti for Cd in CdCr₂Se₄ p-Type Semiconductor
57. K. Dybko, M. Szot, T. Story, G. Karczewski, S. Schreyeck, C. Schumacher, K. Brunner and L. W. Molenkamp
Thermoelectric power in epitaxial Bi₂Se₃/Si(111) layers
58. M. Zapalska and T. Domański
Diamagnetism of the pre-paired electronic systems: the flow equation study
59. N. Gonzalez-Szwacki, J.A. Majewski
Quantum Monte Carlo vs. Density Functional Methods for the prediction of relative energies of small Si-C clusters
60. M. Koba and P. Szczepański
Analysis of a Spatial Hole Burning Effect in a Square and Triangular Lattice Photonic Crystal Laser

TUESDAY POSTER SESSION (TuP1 ...TuP58)

1. T. Smoleński, Ł. Cywiński, M. Goryca, P. Kossacki
Exciton and Mn spin dynamics in a nonresonantly coupled pair of (Cd,Mn)Te quantum dots
2. J. Kobak, W. Pacuski, T. Kazimierczuk, J. Suffczyński, T. Jakubczyk, A. Golnik, P. Kossacki, M. Nawrocki, J.A. Gaj, C. Kruse, D. Hommel
Three-dimensional anisotropy studies of CdTe quantum dots
3. K. Grodecki, W. Strupiński, A. Wysmołek, R. Stępniewski, J.M. Baranowski
Probing electron concentration in epitaxial graphene using Raman spectroscopy
4. M. Zieliński, G.W. Bryant, N. Malkova, J. Sims, W. Jaskolski, J. Aizpurua
Dynamical control of excitonic fine structure with nanomechanical strain
5. K. Roszak, T. Novotný
Non-Markovian noise at the Fermi-edge singularity in quantum dots
6. M. Czapkiewicz, J. Wróbel, V. Kolkovsky, P. Nowicki, M. Aleszkiewicz, M. Wiater, T. Wojtowicz
Transport and Spin Properties of CdTe/CdMgTe Quantum Point Contacts
7. M. Kozub, P. Machnikowski
The Role of Strong Coupling in the Superradiance of Ensembles of Quantum Dots
8. M. Szymura, Ł. Kłopotowski, P. Wojnar, K. Fronc, T. Kazimierczuk, G. Karczewski, T. Wojtowicz
Photoluminescence Linewidth Analysis of Single CdMnTe Quantum Dots
9. M. Koperski, T. Kazimierczuk, M. Goryca, A. Golnik, J.A. Gaj, M. Nawrocki, P. Wojnar, P. Kossacki
Statistical Study of the Inter-Dot Excitation Transfer in CdTe/ZnTe Quantum Dots.
10. Ł. Marcinowski, M. Krzyżosiak, K. Roszak, P. Machnikowski, R. Buczko, J. Mostowski
Phonon influence on the weak measurement of double quantum dot spin states.
11. P. Kaczmarkiewicz, A. Musiał, G. Sęk, P. Podemski, J. Misiewicz, P. Machnikowski
Influence of Carrier Trapping on the Optical Properties of InAs/InP Quantum Dashes
12. K. Działkowski, D. Ratchford, T. Hartsfield, X. Li, Y. Gao, Z. Tang
CdSe/ZnS Colloidal Quantum Dots with Alloyed Core/Shell Interfaces: a Photoluminescence Dynamics Study
13. K. Kukliński, Ł. Kłopotowski, K. Fronc, P. Wojnar, T. Wojciechowski, M. Czapkiewicz, J. Kossut, G. Karczewski, T. Wojtowicz
Spectroscopy of Indirect Excitons in Vertically Stacked CdTe Quantum Dot Structures

14. W. Abdussalam, A. Sitek, P. Machnikowski
Collective spontaneous emission from pairs of quantum dots: the role of coupling and system geometry
15. K. Korzekwa, P. Machnikowski
Tunneling transfer protocol in a quantum dots chain immune to inhomogeneity
16. A. Musial, G. Sek, A. Marynski, P. Podemski, J. Andrzejewski, J. Misiewicz, A. Loeffler, S. Hoefling, S. Reitzenstein, J.P. Reithmaier, A. Forchel
Thermal Quenching of Photoluminescence from epitaxial InGaAs/GaAs Quantum Dots with High Lateral Aspect Ratio
17. P. Schillak, G. Czajkowski
Excitonic Magnetoabsorption of Cylindrical Quantum Disks
18. P. Karwat, A. Sitek, P. Machnikowski
Spontaneous emission from double quantum dots: collective effects and carrier-phonon kinetics
19. P. Łach, A. Reszka, G. Karczewski, P. Wojnar, T. Wojtowicz, A. Kamińska, A. Suchocki
Cathodoluminescence studies of the II – VI semiconducting quantum dots grown by molecular beam epitaxy
20. E. Zielony, E. Popko, Z. Gumienny, P. Kamyczek, A. Henrykowski, J. Jacak, G. Karczewski
Raman spectroscopy of CdTe/ZnTe quantum dots
21. J. Barański, T. Domański
Quantum interference in charge transport via the quantum dots coupled between the metallic and superconducting leads
22. H. Bednarski, J. Spalek
Bound magnetic polaron molecule in diluted magnetic semiconductors within the Heitler-London approximation
23. M. Załużny, A. Kozłowski
Intersubband polaritons in strongly pumped microcavities
24. M.S. Mukhin, Y.V. Terent'ev, L.E. Golub, M.O. Nestoklon, B.Y. Meltser, A.N. Semenov, V.A. Solov'ev, A.A. Sitnikova, A.A. Toropov, S.V. Ivanov
Magneto-Optical Studies of Narrow Band-Gap Heterostructures with Type II Quantum Dots InSb in an InAs Matrix
25. K.H. Gawarecki, P. Machnikowski
Phonon-assisted tunneling between hole states in double quantum dots
26. I. Bragar, K. Gawarecki, P. Machnikowski
Intermediate band formation for electrons and holes in an inhomogeneous chain of quantum dots

27. O. Rancova, E. Anisimovas
Modelling of 1D-2D structural transitions in small Yukawa clusters
28. P. Kowalski, P. Machnikowski
Efficient Coulomb mixing between single- and biexciton states in InAs nanocrystals
29. K. Gołasa, M. Molas, J. Borysiuk, Z.R. Wasilewski, A. Babiński
Strongly disordered wetting layer in the InAs/GaAs self-assembled quantum dots system
30. M. Molas, K. Gołasa, J. Łusakowski, T. Wojtowicz, A. Babiński
Optical transformation of zero-dimensional confinement in the CdTe/CdMgTe multiple quantum wells
31. M. Kozub, A. Musiał, G. Sęk, J. Misiewicz, V. Zürbig, J.P. Reithmaier
Optical Properties of InGaAs Quantum Dots on (100) GaAs Substrates Formed by Droplet Epitaxy
32. M. Molas, K. Gołasa, T. Kazimierczuk, J. Łusakowski, T. Wojtowicz, A. Babiński
Magneto-optical study of excitons confined in potential fluctuations in the CdTe/CdMgTe quantum well
33. A. Ballester, J.M. Escartín, J.L. Movilla, M. Pi, J. Planelles
Mixed Correlation Phases In Elongated Quantum Dots
34. J. Ebeling, T. Aschenbrenner, S. Figge, D. Hommel
Simulation and Realization of Photonic Crystals in Light Emitting Devices
35. E. Zielony, E. Popko, Z. Gumienny, G. Karczewski
Electro-optical characterization of Ti/Au-ZnTe Schottky diodes with CdTe quantum dots
36. J. Jadczyk, L. Bryja, A. Wójs, G. Bartsch, D.R. Yakovlev, M. Bayer, M. Potemski
Magneto-photoluminescence studies of many body scattering processes in two-dimensional hole gas
37. H. Videlier, N. Dyakonova, F. Teppe, C. Consejo, W. Knap, J. Łusakowski, D. Tomaszewski, J. Marczewski, P. Grabiec
Spin related effect in Si-MOSFETs THz Photoresponse
38. N. Dyakonova, A. ElFatimy, Y. Meziani, D. Coquillat, W. Knap, F. Teppe, P. Buzatu, L. Varani, H. Marinchio, J. Torres, P. Nouvel
THz emission related to hot plasmons and plasma wave instability in field effect transistors
39. M. Białek, M. Czapkiewicz, K. Fronc, J. Wróbel, V. Umansky, M. Grynberg, J. Łusakowski
A Comb-Like Shape of the Cyclotron Resonance Line in GaAs/AlGaAs Heterostructure

40. J. Przybytek, M. Gryglas-Borysiewicz, M. Baj
Impurity-Related Noise in Si δ -doped Single-Barrier GaAs/AlAs/GaAs Resonant Tunneling Devices
41. F. Teppe, C. Consejo, J. Torres, B. Chenaud, P. Solignac, Z.R. Wasilewski, M. Zholudev, N. Dyakonova, D. Coquillat, A. El Fatimy, W. Knap
Current Driven Terahertz Detection of Quantum Cascade Laser Emission by Plasma Waves in Nano-Transistors
42. G. Kępisty, K. Grodecki, W. Strupiński, A. Wyszomółek, R. Stępniewski, J.M. Baranowski
Influence of SiC substrate orientation on epitaxial graphene quality studied by Raman spectroscopy
43. M. Syperek, B. Bujko, J. Jadczyk, M. Kubisa, L. Bryja, J. Misiewicz
Fermi edge and band-to-band recombination dynamics in n-doped GaAs/AlGaAs quantum well
44. M. Kozubal, M. Gryglas-Borysiewicz, J. Przybytek, J. Borysiuk, M. Baj, R. Stępniewski, A. Wyszomółek, W. Strupiński, J. Baranowski
Magnetotransport Studies of Graphene Exposed to Water Vapours
45. K. Grodecki, J.A. Błaszczak, A. Dominiak, W. Strupiński, A. Wyszomółek, R. Stępniewski, A. Drabińska, M. Sochacki, J.M. Baranowski
Interaction of epitaxial graphene with SiC substrates studied by Raman spectroscopy
46. K. Nogajewski, H. Boukari, P. Kopyt, W. Gwarek, T. Wojtowicz, H. Mariette, M. Grynberg, J. Łusakowski
Antenna-Equipped Field Effect Transistors on CdTe/CdMgTe Quantum Wells as Terahertz Detectors
47. A.D. Chegodaev, D.K. Loginov
Effect of homogeneous electric field on exciton dispersion in wide quantum well
48. V.Ya. Roshko
Theoretical Analysis of Optical Losses in CdS/CdTe Solar Cells
49. M.Kubisa, K.Ryczko and J.Misiewicz
Anisotropy of $B=0$ spin splitting of holes in symmetric GaAs/Ga(1-x)AlxAs quantum wells
50. J. Szczytko, P. Arcade, E. Papis, A. Barańska, B. Piętka, J. Łusakowski
Terahertz Properties of Gold Layers on GaAs
51. P. Sznajder, B. Piętka, J. Szczytko, J. Łusakowski
Towards Optically Tunable Terahertz Plasmonic Detectors
52. I. Grigelionis, K. Fobelets, B. Vincent, J. Mitard, B. DeJaeger, E. Simoen, D. Jaworski, J. Łusakowski
Mobility of Holes in Nanometer Ge-on-Si p-type Metal-Oxide-Semiconductor Field-Effect Transistors at Low Temperatures

53. Paweł Utko, Morten H. Madsen, Trine Berthing, Sara Bonde, Claus B. Sorensen, Karen L. Martinez, Jesper Nygard
Vertical InAs nanowires as biological probes
54. M. Ściesiek, T. Jakubczyk, W. Pacuski, A. Golnik, P. Kossacki, C. Kruse, D. Hommel
Towards better light-confinement in pillar cavities
55. M. Rawski, J. Żuk, A. Drozdziel, K. Pyszniak, M. Turek
Investigation of ion-implanted SiC properties by means of a light absorption technique
56. P. Kamyczek, E. Placzek-Popko, Łukasz Geleczuk, Maria Dąbrowska-Szata
SiC Schottky barrier diode studied by admittance spectroscopy
57. P. Sitarek, K. Ryczko, J. Misiewicz, D. Reuter, A. Wieck
Optical transitions between confined and unconfined states in p-type asymmetric GaAs/InGaAs/AlGaAs QW structures
58. K. Tahy, W. S. Hwang, J.L. Tedesco, R.L. Myers- Ward, P.M. Campbell, C.R. Eddy Jr., D.K. Gaskill, H. Xing, A. Seabaugh, D. Jena
Sub-10 nm Epitaxial Graphene Nanoribbon FETs

WEDNESDAY POSTER SESSION (WeP1 ...WeP58)

1. C. Śliwa, T. Dietl
Thermodynamic and thermoelectric properties of (Ga,Mn)As
2. M. Sobanska, K. Klosek, Z.R. Zytewicz, J. Borysiuk, A. Wierzbicka, A. Reszka, E. Lusakowska
Plasma-assisted molecular beam epitaxy of GaN on Si (111) substrates
3. J. Plaziak, J. Higersberger, J.A. Majewski
Role of Interface Carrier Transport in Electrical Characteristics of Light Emitting Devices Based on Heterostructures
4. A. Łusakowski, P. Bogusławski, W. Knoff, T. Story
Influence of crystal structure and hole concentration on magnetic anisotropy of GeMnTe
5. I. Ulfat, L. Ilver, J. Sadowski
High-resolution study of valence band maximum for (GaMn)As
6. J. Suffczyński, K. Gałkowski, P. Kaźmierczak, J. Papierska, M. Furman, W. Pacuski, A. Golnik, A.M. Witowski, J.A. Gaj, W. Stefanowicz, M. Sawicki, M. Łukasiewicz, E. Guziewicz, M. Godlewski
Low temperature grown (Zn,Co)O studied in the band-gap spectral region
7. J. Levrat, G. Rossbach, A. Dussaigne, H. Teisseyre, I. Grzegory, M. Bockowski, T. Suski, R. Butte, N. Grandjean
Nonpolar III-nitride microcavities for polariton lasing
8. W. Bardyszewski, S.P. Łepkowski
Symmetry of the top valence band states in GaN/AlGaN quantum wells and its influence on the polarization of emitted light
9. D. Sztenkiel, T. Dietl
Tunnelling effects in (Ga,Mn)As based heterostructures
10. M. Lopuszynski, J.A. Majewski
Modelling of Ordering Phenomena in Nitride Semiconducting Alloys
11. M. Welna, R. Kudrawiec, M. Motyka, J. Misiewicz, R. Kucharski, M. Zając, R. Doradziński, R. Dwiliński
Infrared Spectroscopy of GaN Crystals Obtained by Ammonothermal Method
12. M. Latkowska, R. Kudrawiec, G. Sęk, J. Misiewicz, J. Ibáñez, M. Henini, M. Hopkinson
Micro-photoluminescence of GaInNAs layers: Thermal quenching of individual exciton lines
13. M. Fandrich, G. Kunert, T. Aschenbrenner, S. Figge, C. Kruse, D. Hommel

Nitride based sensors with Ga- and N-polarity

14. V.Kh. Le, K. Swiatek, M. Pawlowski, R.R. Galazka
Zinc vacancy induced ferromagnetic interaction in semimagnetic semiconductor (Zn,Mn)Te
15. S. Dobkowska, W. Stefanowicz, O. Proselkov, R. Żuberek, J. Sadowski, T. Dietl, M. Sawicki
Magnetic Properties of (Ga,Mn)As near Metal-Insulator Transition
16. M. Sakowicz, N. Gauthier, R. Leonelli, C. Silva, H. Nguyen, K. Cui, S. Zhang, Z. Mi
Time-Resolved Photoluminescence of InGaN/GaN Dot-in-a-Wire Heterostructures on Si(111)
17. M. Bajda, F. Dybała, A. Bercha, W. Trzeciakowski, J.A. Majewski
Wide range wavelength tuning of InGaAsP/InP laser diodes
18. M. Gryglas-Borysiewicz, J. Przybytek, M. Baj, A. Kwiatkowski, P. Juszyński, D. Wasik, P. Dziawa, J. Sadowski
Transport properties of GaMnAs layers
19. C. Chèze, M. Sawicka, M. Siekacz, H. Turski, A. Feduniewicz-Zmuda, G. Cywinski, B. Grzywacz, S. Grzanka, I. Dziecielewski, B. Lucznik, M. Bockowski, C. Skierbiszewski
Group III-nitrides growth on N-polar substrates
20. J. Binder, K.P. Korona, J. Borysiuk, M. Kaminska, M. Baeumler, K. Köhler, L. Kirste
Absorption and Emission Properties of Light Emitting Diode Structures Containing GaInN/GaN QWs
21. B.J. Kowalski, R. Nietubyc, J. Sadowski
Mn contribution to the valence band of Ga_{1-x}Mn_xSb
22. M. Baranowski, M. Latkowska, M. Syperek, R. Kudrawiec, J. Misiewicz, T. Sarmiento, J.S. Harris
Time resolved photoluminescence studies for GaInNAsSb quantum wells emitting at 1.3 μm
23. A. Kafar, J. Goss, S. Stańczyk, R. Czernecki, M. Leszczynski, T. Suski, P. Wiśniewski, P. Perlin
InGaN laser diodes with passive absorber section
24. W. Szuszkiewicz, F. Ott, J.Z. Domagała, E. Dynowska, J. Sadowski
Evidence of a new magnetic order in short-period (Ga,Mn)As/GaAs SLs
25. Z. Wiśniewski, K. Izdebska, P. Sybilski, Z.R. Żytkiewicz, M. Sobańska, K. Kłosek, A. Reszka, B.J. Kowalski, A. Suchocki
Application of n-GaN layers grown by MBE for light-induced water splitting and hydrogen generation
26. M. Sarzynski, J. Goss, M. Leszczynski, A. Reszka, B. Kowalski, P. Perlin, T. Suski

Broad optical gain spectrum in III-N quantum structures

27. M.I. Łukasiewicz, A. Cabaj, M. Godlewski, E. Guziewicz, A. Wittlin, M. Jaworski, A. Wołoś, Z. Wilamowski
Microwave techniques investigations of (Zn,Co)O films grown by Atomic Layer Deposition
28. O. Yastrubchak, T. Andrearczyk, J. Sadowski, J. Żuk, T. Wosiński
Band-structure analysis from photoreflectance spectroscopy in (Ga,Mn)As
29. K. Klosek, M. Sobanska, Z.R. Zytewicz, H. Teisseyre, E. Lusakowska, A. Wierzbicka, P. Nowakowski, L. Klopotoski
Influence of nitrogen plasma parameters on growth of GaN by plasma-assisted molecular beam epitaxy
30. T.A. Krajewski, P. Stallinga, E. Zielony, P. Kruszewski, K. Gościński, Ł. Wachnicki, S. Figge, D. Hommel, E. Guziewicz, M. Godlewski
Deep defects in ZnO/GaN heterostructure analyzed by the admittance spectroscopy
31. T.A. Krajewski, A.J. Zakrzewski, G. Łuka, Ł. Wachnicki, S. Gierałtowska, B.S. Witkowski, P. Kruszewski, E. Lusakowska, R. Jakiela, E. Guziewicz, M. Godlewski
Electrical characterization of the ZnO-based Schottky diodes for possible sensor applications
32. T. Zakrzewski, P. Bogusławski
Ab initio calculations of transition metal impurity levels in III-V semiconductors
33. P. Juszyński, D. Wasik, M. Baj, J. Przybytek, M. Gryglas-Borysiewicz, J. Sadowski
Anisotropy of GaMnAs thin film. Planar and Anomalous Hall measurements.
34. G. Staszczak, A. Khachapuridze, S. Grzanka, R. Piotrkowski, R. Czernecki, P. Perlin, T. Suski
Interplay between internal and external electric field studied by photoluminescence in InGaN/GaN light emitting diodes
35. M. Baranowski, M. Latkowska, R. Kudrawiec, M. Syperek, J. Misiewicz, G.S. Karthikeyan, S. Jong-In, K.L. June
Influence of antimony on the optical quality of GaInN:Sb multi quantum wells
36. J. Sadowski, A. Siusys, P. Dziawa, A. Reszka, B.J. Kowalski
Properties of Mn-doped GaAs Nanowires and GaAs/(Ga,Mn)As Core-Shell Nanowire Structures Grown by MBE on GaAs(111)B Substrates
37. I.A. Kowalik, M.A. Niño, A. Locatelli, T. OnurMenteş, A. Navarro-Quezada, M. Rovezzi, A. Bonanni, T. Dietl, D. Arvanitis
Room temperature nano-magnetism of (Ga,Fe)N films: element specific spectroscopy and microscopy
38. L. Marona, S. Grzanka, P. Wisniewski, T. Suski, M. Leszczynski, R. Czernecki, M. Bockowski, S.P. Najda, P. Perlin

The non-radiative recombination rate in InGaN laser diodes during the aging

39. L. Janicki, M. Gladysiewicz, R. Kudrawiec, M. Rudziński, R. Kucharski, M. Zając, J. Misiewicz, W. Strupinski, R. Doradziński, R. Dwiliński
Electromodulation Spectroscopy of GaN/AlGaIn Quantum Wells Grown on Polar and Non-polar GaN Substrates Obtained by Ammonothermal Method
40. E.P. Smakman, R. vanVoornveld, J.G. Keizer, J.K. Garleff, P.M. Koenraad
Spin-Polarized STM with Fe-Coated W Tips and Bulk Cr Tips
41. B.S. Witkowski, Ł. Wachnicki, E. Guzewicz, M. Godlewski
Cathodoluminescence measurements at liquid helium temperature of monocrystalline ZnO layers
42. T. Andrearczyk, I. Krogulec, T. Wosiński, T. Figielski, A. Mąkosza, Z. Tkaczyk, J. Wróbel, J. Sadowski
Towards electrically controllable read-write devices based on ferromagnetic semiconductors
43. J.B. Gosk, Z. Werner, C. Pochrybniak, M. Barlak, J. Szczytko, A. Twardowski
Magnetic properties of Mn-ion implanted and plasma pulse treated Si
44. G. Muzioł, M. Siekacz, H. Turski, C. Skierbiszewski
Simulations of optical modes in InGaIn based laser diodes operating at 455 nm
45. M. Woińska, K. Madrak, J. Szczytko, J. Gosk, A. Majhofer, D. Pocięcha, E. Górecka, A. Twardowski
Monte-Carlo simulations and magnetic studies of ferromagnetic nanocomposites
46. J. Szczytko, J. Szydłowska, N. Gonzalez Szewacki, K. Dziatkowski, P. Giziński, A. Kaim, A. Twardowski
Di-TEMPO amine for molecular spintronics – model of p-shell magnetism
47. M. Baranowski, M. Latkowska, R. Kudrawiec, J. Misiewicz
Hopping excitons in GaInNAs alloys: Radiative versus non-radiative recombination at various temperatures
48. J.Z. Domagała, B. Lucznik, H. Teisseyre, M. Bockowski, I. Grzegory
Structural characterization of the nonpolar substrate grown by multistep hydride vapor phase epitaxy.
49. Ł. Gluba, O. Yastrubchak, H. Krzyżanowska, J.Z. Domagała, T. Andrearczyk, J. Żuk, J. Sadowski, T. Wosiński
Investigation of fundamental parameters of low doped (Ga,Mn)As epitaxial layers
50. P. Kamyczek, E. Popko, Z. Gumienny, E. Zielony, S. Grzanka, R. Czernecki, T. Suski
Admittance spectroscopy in GaN p-n junction
51. Pawel Kempisty, Pawel Strak, Stanislaw Krukowski

Role of hydrogen in the ammonia based growth of GaN and InGaN - ab initio study

52. S.P. Lepkowski, W. Bardyszewski, H. Teisseyre
Effect of the built-in strain on the in-plane optical anisotropy of m-plane GaN/AlGaN quantum wells
53. J. Papierska, J.-G. Rousset, A. Golnik, W. Pacuski, M. Nawrocki, J. A. Gaj, J. Suffczynski, I. Kowalik, W. Stefanowicz, M. Sawicki, T. Dietl, A. Navarro-Quezada, B. Faina, Tian Li, A. Bonanni
Magneto-optical properties of (Ga,Fe)N layers
54. Maria Ptasńska, Jacek Piechota, Jakub Soltys, Stanisław Krukowski
Gas Phase Reactions during GaN Growth by MOVPE Method – Ab initio Study
55. Konrad Sakowski, Leszek Marcinkowski, Szymon Grzanka, Elzbieta Litwin-Staszewska, Stanislaw Krukowski
Simulations of Gallium Nitride luminescent devices with extension of standard nonradiative recombination model
56. Pawel Strak, Pawel Kempisty, Konrad Sakowski, Stanislaw Krukowski
Density Functional Theory (DFT) simulations of the physical properties of AlN/GaN multiple quantum wells (MQWs)
57. Z. R. Zytkeiwicz, P. Dluzewski, J. Borysiuk, M. Sobanska, K. Klosek, B. Witkowski, P. Nowakowski, J. Dabrowski
Plasma-assisted MBE growth and characterization of GaN nanocolumns on Si (111) substrates
58. Zbigniew R. Zytkeiwicz, Pawel Strak, Stanisław Krukowski
Crossing Size Limits of Bulk III-V Crystals Feasible by Liquid Phase Electroepitaxy