

Saturday, June 22nd, 2013

9:20 – 9:30 **Lukasz Kłopotowski – School opening address**

INVITED LECTURES (SaI1, SaI2)

9:30 – 12:30 **Ryszard Buczko** - Institute of Physics PAS, Warsaw, Poland
Physics of Topological Insulators

14:30 – 17:30 **Alexander Govorov** - Ohio University, Athens, Ohio, USA
Plasmonics and nanophotonics

Sunday, June 23rd, 2013

INVITED LECTURES (SuI1, SuI2)

9:30 – 12:30 **Sophia Economou** - Naval Research Laboratory, Washington, USA
Optical Control of Carrier Spins in Semiconductor Quantum Dots

14:30 – 17:30 **Bruno Meyer** - Justus-Liebig-University, Giessen, Germany
Physics and Applications of Zinc Oxide

18:00 **School & Conference Barbecue**

Monday, June 24th, 2013

- 8:55 -- 9:00** **Perla Kacman – Conference opening address**
- INVITED TALKS (MoI1 ... MoI4)** Chair: G. Bauer
- 9:00 – 10:00** **Gaudenzio Meneghesso** - University of Padova, Italy
GaN HEMTs Devices: opportunities, challenges and issues
- 10:00 – 11:00** **Lutz Geelhaar** - Paul Drude Institut für Festkörperelektronik, Berlin, Germany
(In,Ga)N/GaN nanowires and their applications
- 11:00 – 11:30 Coffee break
- 11:30 – 12:30** **Holger von Wenckstern** - Universität Leipzig, Germany Chair: M. Godlewski
Transparent semiconducting oxides - from materials to devices
- 12:30 – 13:30** **Andrzej Wyszomolek** - University of Warsaw, Poland
Raman spectroscopy of epitaxial graphene
- CONTRIBUTED TALKS (MoO1 ... MoO7)** Chair: A. Piotrowska
- 19:00 – 19:15** **M. Sobańska**, K. Kłosek, A. Wierzbička, J. Borysiuk, S. Kret, G. Tchutchulashvili, S. Gieraltowska, E. Łusakowska, P. Nowakowski, Z.R. Żytkiewicz
Influence of substrate microstructure on nucleation and properties of self-induced GaN nanowires grown by PAMBE
- 19:15 – 19:30** M. Koba, **J. Suffczyński**, M. Ekielski, W. Jung, K. Gołaszewska, E. Kamińska, R. Jakiela, A. Navarro-Quezada, T. Li, T. Dietl, A. Bonanni
Electrical and optical properties of a p-n junction with GaFeN/AlGaIn quantum wells
- 19:30 – 19:45** **M.A. Borysiewicz**, A. Baranowska-Korczyc, P. Struk, M. Wzorek, V. Kolkovsky, T. Wojciechowski, M. Wielgus, E. Dynowska, K. Gołaszewska, E. Kamińska, J. Bar, T. Pustelny, K. Fronc, D. Elbaum, T. Wojtowicz, A. Piotrowska
Nanocoral ZnO growth and physicochemical properties
- 19:45 – 20:00** **K. Gas**, R. Kuna, P. Baroni, S. Petit, W. Szuszkiewicz
Temperature dependence of acoustic and BI(low) silent phonon frequencies in ZnO: inelastic neutron scattering studies
- 20:00 – 20:15 Break Chair: P. Bogusławski
- 20:15 – 20:30** **M. Sznajder**, J.A. Majewski
Structure and charge compensation of heteropolar SiC/AlN and SiC/GaN interfaces
- 20:30 – 20:45** **M. Goryca**, P. Płochocka, D. K. Maude, W. Strupiński, P. Kossacki
Hot carriers dynamics in graphene at high magnetic field
- 20:45 – 21:00** **K. Szalowski**
Ground-state magnetic phase diagram of bow-tie graphene nanoflakes in external magnetic field
- 21:05 – 23:00** **MONDAY POSTER SESSION (MoP1 ... MoP65)**

Tuesday, June 25th, 2013

INVITED TALKS (TuI1 ... TuI4)

Chair: T. Story

9:00 – 10:00 **Liang Fu** - Massachusetts Institute of Technology, Cambridge, USA
Topological Crystalline Insulators

10:00 – 11:00 **Moty Heiblum** - Weizman Institute of Science, Rehovot, Israel
Zero-bias peaks and splitting in an Al-InAs nanowire topological superconductor as a signature of Majorana fermions

11:00 – 11:30 Coffee break

Chair: T. Dietl

11:30 – 12:30 **Michelle Y. Simmons** - University of New South Wales, Sydney, Australia
Quantum computing and the limits of silicon miniaturisation

12:30 – 13:30 **Sven Höfling** - Universität Würzburg, Germany
Quantum Dot Microcavities: From Basic Physics to Applications in Quantum Communication

CONTRIBUTED TALKS (TuO1 ... TuO7)

Chair: M. Nawrocki

19:00 – 19:15 **B.J. Kowalski**, P. Dziawa, T. Balasubramanian, B.M. Wojek, M.H. Berntsen, O. Tjernberg, M. Leandersson, A. Szczerbakow, R. Buczko, P. Kacman, S. Safaei, K. Dybko, M. Szot, E. Łusakowska, T. Story
ARPES study of the topological crystalline insulator $Pb_{1-x}Sn_xSe$

19:15 – 19:30 **I. Grigelionis**, M. Białek, K. Nogajewski, K. Karpierz, M. Grynberg, J. Łusakowski, G. Karczewski, T. Wojtowicz, H. Boukari, H. Marriete, N. Diakonova, F. Teppe, W. Knap
Cyclotron resonance in CdTe/CdMgTe based 2DEG system

19:30 – 19:45 **K. Gołasa**, M. Grzeszczyk, K.P. Korona, R. Bożek, J. Szczytko, A. Wysmolek, A. Babiński
Optical properties of molybdenum disulfide (MoS_2)

19:45 – 20:00 **G. Grabecki**, J. Wróbel, M. Czapkiewicz, L. Cywiński, S. Gierałtowska, E. Guziewicz, M. Zholudev, V. Gavrilenko, N.N. Mikhailov, S.A. Dvoretzki, W. Knap, F. Teppe, T. Dietl
Transport studies of helical edge states in HgTe/(Hg,Cd)Te quantum wells

20:00 – 20:15 Break

20:15 – 20:30 **K. Roszak**, P. Mazurek, R.W. Chhajlany, P. Horodecki
Magnetic field dependence of quantum dot spin qubit entanglement decay

Chair: A. Wójs

20:30 – 20:45 **M. Gawelczyk**, P. Machnikowski
Built-in decoherence and efficiency of an optical hole spin initialization scheme

20:45 – 21:00 **J. Wróbel**, M. Czapkiewicz, P. Nowicki, V. Kolkovsky, T. Wojciechowski, M. Wiater, T. Wojtowicz
Shot noise signatures of 0.25-anomaly in CdTe/CdMgTe Quantum Point Contact

21:05 – 23:00 **TUESDAY POSTER SESSION (TuP1 ... TuP61)**

Wednesday, June 26th, 2013

INVITED TALKS (WeI1 ... WeI5)

Chair: M. Grynberg

9:00 – 10:00 **Wojciech Knap** - Laboratoire Charles Coulomb Université & TERALAB
Montpellier 2 & CNRS, France
Terahertz plasma instabilities in nanometer size semiconductor structures

10:00 – 11:00 **Krystyna Stiller** - Chalmers University of Technology, Göteborg, Sweden
What can we learn using Atom Probe Tomography ?

11:00 – 11:20 Coffee break

Chair: A. Babiński

11:20 – 12:20 **Jean-Michel Gerard** - Institute for Nanoscience and Cryogeny, CEA,
Grenoble, France
Quantum optics in photonic wires: fundamentals and applications

12:20 – 13:20 **Tomasz Wojtowicz** - Institute of Physics PAS, Warsaw, Poland
*(Cd,Mn)Te-based quantum structures with ultra-high mobility 2D electron
gas: from technology to basic and applied research*

13:20 – 13:30 Break

Chair: A. Suchocki

13:30 – 14:30 **Andres F. Santander-Syro** - Université Paris-Sud, Orsay, France
Novel 2D electron gases at the surface of transition-metal oxides

19:00 – 20:00 **Concert** – chamber music performed by young artists,
laureates of international music competitions

20:05 **Conference Banquet**

Thursday, June 27th, 2013

INVITED TALKS (ThI1,ThI4)

Chair: M. Sawicki

9:30 – 10:30 **Andrew Ferguson** - University of Cambridge, UK
Spin-orbit FMR

10:30 – 11:30 **Kazuya Ando** - Keio University, Yokohama, Japan
Dynamical spin injection from metals and insulators

11:30 – 12:00 Coffee break

Chair: E. Zipper

12:00 – 13:00 **Ireneusz Weymann** - Adam Mickiewicz University, Poznań, Poland
Transport properties of quantum dots and molecules coupled to ferromagnetic leads in the Kondo regime

13:00 – 14:00 **Roland Wiesendanger** - University of Hamburg, Germany
Revealing magnetic properties and interactions on the atomic scale

16:00 – 18:00 **THURSDAY POSTER SESSION (ThP1 ... ThP67)**

Chair: W. Bardyszewski

CONTRIBUTED TALKS (ThO1 ... ThO7)

19:00 – 19:15 **M. Szot, K. Dybko, P. Dziawa, L. Kowalczyk, V. Domukhowski, B. Taliashvili, A. Reszka, B.J. Kowalski, P. Dłużewski, M. Wiater, T. Wojtowicz, T. Story**
CdTe/PbTe epitaxial nanocomposite studied by electric and thermoelectric transport

19:15 – 19:30 **K.I. Wysokiński**
Thermoelectric transport via tunnel junctions with a molecule or a quantum dot

19:30 – 19:45 **T. Smoleński, T. Kazimierzczuk, J. Kobak, M. Goryca, W. Pacuski, A. Golnik, K. Fronc, Ł. Kłopotowski, P. Wojnar, P. Kossacki**
Optical study of electron-electron exchange interaction in CdTe/ZnTe quantum dots

19:45 – 20:00 **B. Van Hattem, P. Corfdir, P.G. Brereton, P. Pearce, A.M. Graham, M.J. Stanley, M. Hugues, M. Hopkinson, R.T. Phillips**
3D magneto-photoluminescence on InAs/GaAs multiply-charged quantum dots coupled to a continuum

20:00 – 20:15 Break

Chair: D. Wasik

20:15 – 20:30 **P. Juszyński, D. Wasik, M. Gryglas–Borysiewicz, J. Sadowski**
Magnetic anisotropy and Curie temperature in (Ga,Mn)As. Study under hydrostatic pressure

20:30 – 20:45 **A. Šiušys, M. Sawicki, T. Wojciechowski, S. Trushkin, S. Stefanowicz, A. Reszka, B.J. Kowalski, A. Kovacs, P. Dłużewski, S. Kret, J. Domagała, M. Zgirski, T. Story, J. Sadowski**
Structural, magnetic and electrical properties of (In,Ga)As-(Ga,Mn)As core-shell nanowires grown by MBE

20:45 – 21:00 **W. Szuszkiewicz, B. Hennion, S. Petit, E. Dynowska, E. Janik, G. Karczewski, T. Wojtowicz**
Magnon confinement and propagation in MnTe/ZnTe superlattices

21:00 **Perła Kacman – Closing address**

MONDAY POSTER SESSION (MoP1 ...MoP65)

- 1 D. Snigurenko, K. Kopalko, T.A. Krajewski, R. Jakiela, B.S. Witkowski, M. Godlewski, E. Guziewicz
Nitrogen doped p-type ZnO films and p-n homo-junctions
- 2 T.A. Krajewski, M. Guziewicz, G. Łuka, J.Z. Domagała, K. Gościński, Ł. Wachnicki, D. Snigurenko, T. Aschenbrenner, D. Hommel, E. Guziewicz, M. Godlewski
High performance rectifying junctions with zinc oxide thin films obtained by Atomic Layer Deposition
- 3 R. Jakiela, D. Snigurenko, E. Guziewicz, E. Przeździecka, M. Stachowicz, K. Kopalko, A. Barcz, W. Lisowski, J.W. Sobczak, M. Krawczyk, A. Jabłoński
The As3d electron states in arsenic doped ZnO
- 4 A. Kamińska, A. Dużyńska, M. Nowakowska, B. Laumer, M. Eickhoff, A. Suchocki
Optical properties and pressure dependence of the energy gaps of Zn_{1-x}Mg_xO layers
- 5 E. Przeździecka, R. Jakiela, E. Guziewicz, M. Stachowicz, J.M. Sajkowski, M.A. Pietrzyk, D. Jarosz, A. Barcz, A. Kozanecki, W. Lisowski, J.W. Sobczak, M. Krawczyk, A. Jabłoński
PA-MBE and Bulk ZnO samples doped with As - comparison of electronic and optical properties
- 6 E. Przeździecka, A. Wierzbicka, A. Reszka, A. Droba, K. Gościński, M. Stachowicz, J.M. Sajkowski, R. Jakiela, M.A. Pietrzyk, T. Wojciechowski, K. Kopalko, A. Kozanecki
PA-MBE grown dual-acceptor doped p-ZnO:(As+Sb)/n-GaN heterojunction as a highly selective UV detector
- 7 Ł. Wachnicki, S. Gierałtowska, B.S. Witkowski, S. Figge, D. Hommel, E. Guziewicz, M. Godlewski
Optimization and characterization high quality n-ZnO/p-GaN heterojunction for optoelectronic application
- 8 M.I. Łukasiewicz, M. Jaworski, A. Wittlin, B.S. Witkowski, M. Godlewski
Characteristics of Co/Mn-doped ZnO thin films prepared by Atomic Layer Deposition
- 9 J. Sołtys, J. Piechota, S. Krukowski
Density functional theory (DFT) study of Zn, O and O₂ adsorption on polar ZnO(0001) and ZnO(000-1) surfaces
- 10 J. Kaczmarek, A. Taube, E. Dynowska, J. Dyczewski, M. Ekielski, E. Kamińska, A. Piotrowska
Fabrication and properties of amorphous In-Ga-Zn-O material and transistors
- 11 F. Sosada, P. Perkowska, K.P. Korona, A. Wyszkołek, M. Sobanska, K. Klocek, G. Tchutchulashvili, S. Gierałtowska, Z.R. Żytkiewicz
Optical properties of GaN nanowires with wide-bandgap-oxide shells

- 12 P. Kamyczek, E. Płaczek-Popko, E. Zielony, S. Grzanka, R. Czernecki, T. Suski
DLTS studies of multiply charged defect in GaN
- 13 J. Papierska, K.P. Korona, R. Bożek, A. Derkachova, A. Navarro-Quezada, T. Li, A. Bonanni, T. Dietl, J. Suffczyński
Modification of emission properties of a GaN/AlGaIn quantum well using aluminium coating
- 14 A. Avdonin, K. Racka, E. Tymicki, K. Graszka, R. Jakiela, M. Pisarek, W. Dobrowolski
Structural and electrical properties of SiC grown by PVT method in the presence of the cerium vapor
- 15 K. Żelazna, M. Wełna, R. Kudrawiec, J. Misiewicz, J. Decoster
Electromodulation spectroscopy of energy gap in GeSn alloys with Sn<11%
- 16 E. Wachowicz, A. Kiejna
First stages of 4H-SiC crystal growth: a DFT study
- 17 K. Tokar, P. Trędak, J.A. Majewski
Multi-scale molecular dynamics simulations of propane and benzene adsorption on (0001) Si-terminated 4H-SiC surface
- 18 M. Marchwiany, J.A. Majewski
Electronic structure of one- and two-dimensional carbon compounds – DFT calculations within the real space grid approach
- 19 K. Lament, P. Mazur, S. Zuber, W. Kamiński, A. Ciszewski
PTCDI-C8 adsorption on the reconstructed Si(100) surface
- 20 K. Grodecki, P. Ciepielewski, A. Wyszomółek, R. Stępniewski, W. Strupiński, J.M. Baranowski
Early stage of graphene formation on 4H and 6H-SiC substrates
- 21 J. Urban, K. Grodecki, J. Binder, P. Dąbrowski, R. Bożek, A. Wyszomółek, A.M. Witowski, W. Strupiński, R. Stępniewski, J.M. Baranowski
Properties of nitrogen doped epitaxial graphene on 4H-SiC
- 22 A.M. Witowski, E. Shylko, A. Drabinska, W. Strupinski, M. Orlita, M. Potemski
Ageing of graphene – magneto-optical studies
- 23 K.Z. Milowska, J.A. Majewski
First-principle studies of the electronic transport in covalently functionalized graphene
- 24 M. Pelc, W. Jaskólski, L. Chico, A. Ayuela
Divacancies in graphene nanoribbons and carbon nanotubes
- 25 D.P. Żebrowski, B. Szafran
Formation of localized states in quantum dots formed within bilayer graphene flakes: tight binding analysis

- 26 P. Potasz, A. Guclu, P. Hawrylak
The electronic properties of graphene quantum dots in a strong magnetic field
- 27 B. Jaworowski, P. Potasz
Electronic and magnetic properties of graphene quantum dots in the presence of disorder
- 28 P. Corfdir, B. Van Hattem, A.M. Graham, M. Heiss, S. Conesa-Boj, E. Uccelli, A. Fontcubertai Morral, R.T. Phillips
Fine structure and diamagnetic shift of excitons in GaAs crystal phase quantum discs
- 29 K. Gołasa, M. Molas, M. Goryca, T. Kaziemierzuk, T. Smoleński, A. Golnik, P. Kossacki, M. Potemski, Z.R. Wasilewski, A. Babinski
The properties of excitons in quantum dots with a weak confinement
- 30 M. Molas, A.A. Nicolet, M. Potemski, A. Babiński
Intershell exchange interaction in charged GaAlAs quantum dots
- 31 M. Ściesiek, J. Kobak, J.G. Rousset, E. Janik, P. Kossacki, A. Golnik, W. Pacuski
MBE growth and optical spectroscopy of CdTe/ZnSe QDs
- 32 J. Kobak, W. Pacuski, J.G. Rousset, M. Goryca, T. Smoleński, T. Slupinski, E. Janik, P. Kossacki, D. Hommel, A. Golnik
MBE growth and magneto-optical studies of CdTe and CdSe quantum dots
- 33 A. Bogucki, T. Smoleński, M. Goryca, M. Koperski, P. Wojnar, P. Kossacki
Resonant excitation of CdTe/ZnTe quantum dot pairs as a tool for spectroscopic study of the electronic p-states
- 34 M. Pilat, M. Goryca, T. Jakubczyk, W. Pacuski, P. Kossacki
Litographic Marking of Single Quantum Dots in CdTe-based Selforganised System
- 35 F. Malinowski, M. Koperski, M. Goryca, T. Smoleński, A. Golnik, P. Wojnar, P. Kossacki
The multichannel single photon correlation technique as a new tool for time-resolved studies of quantum dots
- 36 T. Jakubczyk, H. Franke, T. Smoleński, W. Pacuski, A. Golnik, C. Kruse, D. Hommel, R. Schmidt-Grund, M. Grundmann, P. Kossacki
Enhancement and inhibition of spontaneous emission of CdTe quantum dots
- 37 J. Piwowar, J. Papierska, K. Sawicki, J. Kobak, W. Pacuski, A. Golnik, P. Kossacki, J. Suffczyński
Optical properties of CdTe QDs in proximity to a surface
- 38 K. Gietka, J. Kobak, M. Koperski, T. Smoleński, M. Goryca, J.G. Rousset, E. Janik, T. Słupiński, A. Golnik, P. Kossacki, W. Pacuski
Formation of CdTe/ZnTe Quantum Dots With Single Mn Ions

- 39 M. Koperski, M. Goryca, F. Malinowski, T. Smoleński, A. Golnik, P. Wojnar, P. Kossacki
The magnetization fluctuations of a few Mn^{2+} ions in a quantum dot studied by the single photon correlation technique
- 40 M. Deresz-Oszer, M. Goryca, A. Golnik, T. Wojtowicz, G. Karczewski, P. Kossacki
Study of magnetization dynamics in (Cd,Mn)Te quantum well
- 41 W.J. Pasek, B. Szafran
Positive trion emission spectrum in stacked quantum dots: external electric field and valence band mixing
- 42 P. Bugajny, J. Kutrowska, M. Baranowski, M. Syperek, L. Bryja, A. Wójs, J. Misiewicz, M. Wiater, G. Karczewski, T. Wojtowicz
Temperature-controlled exciton kinetics in a wide CdMnTe/CdMgTe quantum well
- 43 M. Koba, J. Suffczyński
Angle dependencies in photonic enhancement of magneto-optical Kerr effect in DMS
- 44 M. Papaj, J. Kobak, J.G. Rousset, E. Janik, A. Golnik, P. Kossacki, M. Nawrocki, W. Pacuski
Exciton recombination in cobalt based dilute magnetic semiconductors
- 45 S. Stefanowicz, G. Kunert, W. Stefanowicz, J. Sadowski, D. Hommel, T. Dietl, M. Sawicki
Critical exponents of dilute ferromagnetic semiconductors (Ga,Mn)N and (Ga,Mn)As
- 46 R. Adhikari, W. Stefanowicz, A. Grois, T. Devillers, B. Faina, S. Stefanowicz, G. Grabecki, K. Gołaszewska, M. Juchniewicz, M. Ekielski, E. Kamińska, M. Sawicki, T. Dietl, A. Bonanni
Magneto-electric characterization of (Ga,Mn)N based spin filter structures
- 47 D. Sztenkiel, S. Gierałtowska, T. Devillers, G. Capuzzo, M. Godlewski, A. Bonanni, T. Dietl, M. Sawicki
Metal-oxide-semiconductor capacitors on (Ga,Mn)N for spintronics
- 48 C. Śliwa, T. Dietl
Orbital magnetization in dilute ferromagnetic semiconductors
- 49 J.B. Gosk, M. Woińska, J. Szczytko, A. Majhofer, A. Twardowski
Model calculations of dipolar interactions of ferromagnetic single-domain nanoparticles with cubic anisotropy
- 50 O. Yastrubchak, J. Sadowski, J.Z. Domagała, Ł. Gluba, T. Andrearczyk, J. Żuk, T. Wosiński
Electronic- and band-structure analysis in (Ga,Mn)As, Ga(Bi,As) and GaMnBiAs epitaxial layers
- 51 Ł. Gluba, O. Yastrubchak, J. Sadowski, J.Z. Domagała, J. Żuk, T. Wosiński
Valence-band structure in (Ga,Mn)As epitaxial layers grown under tensile and compressive strain

- 52 K. Kalbarczyk, K. Działkowski, J. Szczytko, J. Gosk, A. Twardowski, J. Martinek, S. Wapłak, W. Bednarski, A. Ostrowski, X. Liu, J.K. Furdyna
Magnetic properties of epitaxial Fe/(Ga,Mn)As hybrids
- 53 R. Bystrzycki, P. Juszyński, M. Gryglas-Borysiewicz, M. Walerysiak, P. Dziawa, M. Sawicki, J. Sadowski, D. Wasik, M. Baj
Nonmonotonic magnetic anisotropy and high temperature negative magnetoresistance in metallic GaMnAs layers
- 54 K.Z. Milowska, M. Wierzbowska
Hole sp^3 -character and delocalization in (Ga,Mn)As
- 55 N. Gonzalez Szwacki, J. A. Majewski, T. Dietl
Pressure induced room temperature ferromagnetism of (Ga,Mn)As: a first-principle investigation
- 56 A. Skierkowski, J.A. Majewski
Metal induced Rashba spin splitting of graphene, silicene, and germanene
- 57 W. Ungier
Rashba fields in 2D electron gas at electro-magnetic spin resonance
- 58 L. Karwacki, P. Trocha, J. Barnaś
Thermoelectric and interference effects in a Kondo-correlated quantum dot with Rashba spin-orbit coupling
- 59 J.B. Gosk, M. Boćkowski, M. Tokarczyk, G. Kowalski, A. Twardowski
Superconductivity study of Diluted Magnetic Semiconductors based on GaN
- 60 J.B. Gosk, M. Drygaś, J.F. Janik, A. Twardowski
Magnetization of GaMnN nanopowders with one dimensionally disorder structures prepared by an anaerobic synthesis method
- 61 M. Baranowski, M. Syperek, R. Kudrawiec, J. Misiewicz
Temperature dependence of spin polarization dynamics in dilute nitride semiconductors
- 62 S. Wolski, C. Jasiukiewicz, V.K. Dugaev, J. Barnaś, T. Slobodskyy
Transport of spin and charge in Fe/GaAs/Fe structures with double Schottky barriers
- 63 J. Szczytko, R. Adomavicius, B. Piętka, E. Papis, A. Barańska, A. Krotkus, N. Dyakonova, W. Knap, J. Łusakowski
Modeling of THz time domain spectroscopy of thin metallic layers
- 64 A. Arlauskas
Semiconductors characterization by THz excitation spectroscopy
- 65 A. Koroliov, A. Arlauskas, S. Balakauskas, M. Šoliūnas, A. Maneikis, A. Krotkus, A. Šetkus, V. Tamošiūnas
Study of terahertz emission from surfaces of Cu(InGa)Se₂ layers

TUESDAY POSTER SESSION (TuP1 ...TuP61)

- 1 E. Guziewicz, A. Stonert, R. Ratajczak, T.A. Krajewski, G. Łuka, Ł. Wachnicki, M. Godlewski, R. Jakiela, W. Lisowski, J.W. Sobczak, M. Krawczyk, A. Jablonski
Stoichiometry and unintentional doping of ZnO films grown at low temperature
- 2 M.A. Pietrzyk, A. Reszka, M. Stachowicz, D. Droba, A. Wierzbicka, J.M. Sajkowski, E. Przeździecka, A. Kozanecki
Fabrication and optical properties of ZnO quantum wells in ZnMgO nanocolumns grown on Si (111) by PA-MBE
- 3 J.M. Sajkowski, M.A. Pietrzyk, M. Stachowicz, A. Droba, E. Przeździecka, M. Syperek, A. Kozanecki
PL spectroscopy of ZnO/ZnMgO quantum wells grown by PAMBE
- 4 M. Stachowicz, J.M. Sajkowski, E. Przeździecka, M.A. Pietrzyk, B. Witkowski, A. Kozanecki
Structural and optical properties of ZnO/Mg_xZn_{1-x}O multiple quantum wells grown on m-plane ZnO substrates
- 5 K. Izdebska, Y. Suhak, P. Nowakowski, P. Skupiński, A. Kamińska, K. Grasza, A. Mycielski, A. Suchocki
Effect of hydrogenation on the optical properties of ZnO and ZnMnO single crystals
- 6 A. Reszka, K.P. Korona, K. Gas, P. Skupiński, W. Zaleszczyk, W. Szuskiewicz, K. Grasza, B.J. Kowalski
Optical properties of bulk ZnO single crystals grown by chemical processes
- 7 A. Ievtushenko, L. Kosyachenko, V. Lazorenko, V. Sklyarchuk, O. Sklyarchuk, G. Lashkarev
Self-compensation in ZnO codoped by nitrogen and aluminum
- 8 A. Ievtushenko, O. Khyzhun, I. Shtepiuk, V. Lazorenko, G. Lashkarev
X-ray photoelectron spectroscopy study of nitrogen and aluminum-nitrogen doped ZnO films
- 9 L. Ovsianikova, G. Lashkarev, V. Kartuzov, I. Shtepiuk
Theoretical analysis of the band gap of nanostructures based on ZnO by means of computer design of fullerene-like models
- 10 A. Wierzbicka, J. Borysiuk, M. Sobańska, K. Klosek, G. Tchutchulashvili, A. Cabaj, A. Reszka, Z.R. Żytkiewicz
X-ray diffraction studies of GaN nanowires on Si substrates
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- 3 K. Gas, E. Dynowska, P. Wojnar, R. Kuna, A. Kamińska, T. Wojtowicz, W. Szuszkiewicz
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