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Ultra High Resolution Thin Film and Optical CD Metrology Tools
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TUESDAY, 22 July 2008

POSTERS

6.00 – 8.45 PM

Wild Rose Room

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P001	Rodriguez Mijangos, Ricardo Universidad De Sonora, Mexico	Mixed Effects on Glow Peak Thermoluminescence Temperature in Binary Ionic Crystals doped with Divalent Europium	R. Rodriguez-Mijangos and R. Perez-Salas
P002	Uvarova, Tatiana A. M. Prokhorov General Physics Institute of Russia Academy of sciences, Russia	Spectroscopy of Activators of Rare-Earth Elements Cerium and Yttrium Subgroups in Monoclinic Matrix BaY ₂ F ₈	V.V. Kyiko, A. A. Pushkar, T. V. Uvarova
P003	Taschuk, Mike University of Alberta, Canada	Absolute Characterization of Photoluminescence from Pulsed-Laser Deposited, Sol-Gel and Sputtered ZnO Thin Films	M.T. Taschuk, J.M. LaForge, H. Nguyen, Y.W. Sun, P. Kurska, R.G. DeCorby, M.J. Brett, Y.Y. Tsui
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P005	Schoke, Bettina University of Osnabrück, Germany	Influence of Yttrium on the Temporal Behaviour of Small Electron and Hole Polarons in Thermally Reduced PPLN:Y	B. Schoke, C. Merschjann, M. Imlau, I. Naumova
P006	Auular-Hernandez, Jorge Instituto Politecnico Nacional, Mexico	Structural and Optical Characterization of CdSe Films Grown by Chemical Bath Deposition	J. R. Aguilar-Hernandez, A. Espinosa-Bustamante, G.S. Contreras-Puente, M. Cardenas-Garcia, O. Zelaya-Angel
P007	Auular-Hernandez, Jorge Instituto Politecnico Nacional, Mexico	Photoluminescence and Raman Spectroscopy of Silicon Thin Films Grown by Laser Ablation	G. Monroy-Rodriguez, J. R. Aguilar-Hernandez, G.S. Contreras-Puente, M. Cardenas-Garcia
P008	Auular-Hernandez, Jorge Instituto Politecnico Nacional, Mexico	Electropolymerization of Polypyrrole Films in Aqueous Solution with Side-Coupler Agent to Hydrophobic Groups	H. M. Alfaro-López, J. R. Aguilar-Hernandez, A. Garcia-Borquez, G.S. Contreras-Puente
P009	Hernandez-Perez, Maria Instituto Politecnico Nacional, Mexico	Structural and Optical Properties of Cadmium Selenide Thin Films prepared by Laser Ablation	M.A. Hernandez-Perez, J. Aguilar-Hernandez, S. Blancas-Vivar, A. Zepeda-Ramirez, E. Rangel-Salinas
P010	Auular-Hernandez, Jorge Instituto Politecnico Nacional, Mexico	Effects of the Thermal Annealing with CdCl ₂ on the Optical Properties of CdS Thin Films Grown by Radio-Frequency Planar Magnetron Sputtering	M. R. Espinosa-Rosas, J. R. Aguilar-Hernandez, H. Hernandez-Contreras, G.S. Contreras-Puente, M. Cardenas-Garcia, B. Ortega-Najera
P011	Fogal, Bud University of Saskatchewan, Canada	Effects of Radiation Exposure on the Transport Properties of Photogenerated Holes in Biased a-Se X-Ray Detectors	B. Fogal, H. Mani, O. Tousignant, S.O. Kasap
P012	Soundararajan, Gokulakrishnan University of Saskatchewan, Canada	Optical Properties of Erbium-Doped Fluorochlorozirconate (FCZ) Glass	Gokulakrishnan Soundararajan, K.Koughia, Andrew Edgar, Chris Varoy, Safa Kasap
P013	Maeda, Kouji University of Miyazaki, Japan	Effect of Alkali Halides on the Emission Properties in Tm-Doped Chalcogenide Glasses	Kouji Maeda, Kazuisao Tsuruda, Takahiko Imai, Tetsuo Ikari

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P016	Taschuk, Mike University of Alberta, Canada	Optical Characterization of Pseudo-Ordered Nanostructured Thin Films	M.T. Taschuk, , J. Chai, , J.M. Buriak, M.J. Brett
P017	Singh, Mahi University of Western Ontario, Canada	Transparency due to the nonlinear two-photon process in nanophotonic materials	Mahi R. Singh
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P019	Tomioka, Akihiro Osaka Electro-Communication University, Japan	Selective Formation of Dequenched Aggregates of Rhodamines: Comparison with J- and H-Aggregates	A.Tomioka, Y. Kamiyama, A. Fujimoto, M. Kawakami
P020	Lozovik, Yuri Institute of Spectroscopy, Russia	Coherent Phases and Magnetoexcitons in Graphene.	Yu.E.Lofovik, A.A.Sokolik, M.Willander
P021	Kojima, Osamu Kobe University, Japan	Exciton Response controlled by Introducing a Spacer Layer in Nitrided InAs Quantum Dots	M. Mamizuka, O. Kojima, T. Inoue, T. Kita and O. Wada
P022	Kujiraoka, Mamiko National Institute of Information and Communications Technology, Japan	Ensemble Effect on Rabi Oscillations of Exciton in Quantum Dots	M. Kujiraoka, J. Ishi-Hayase, K. Akahane, N. Yamamoto, K. Ema, M. Sasaki
P023	Leem, J.Y. Inje University, South Korea	Effects of Post-Growth Thermal Annealing on Self-Assembled InAs Quantum Dots with Asymmetric InGaAs Quantum Wells	Do Yeob Kim, Min Su Kim, Ho Jin Park, Jongho Kim, Goon Sik Kim, Hyun-young Choi, H. H. Ryu, Minhyon Jeon, Guan Sik Cho, D.Y. Lee, Jin Soo Kim, Jong Su Kim, J.S. Son, J. Y. Leem
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P025	Kojima, Osamu Kobe University, Japan	Lengthening of Photoluminescence Decay Time Owing to Expansion of Electron Envelope Functions in Stacked Quantum Dots	O. Kojima, H. Nakatani, T. Kita, O. Wada, K. Akahane, M. Tsuchiya
P026	Watanabe, Shingo Kobe University, Japan	Transient Reflectivity Response with Negative Time Delay caused by Femtosecond Pulse Propagation in GaAs Thin Films	S. Watanabe, O. Kojima, T. Kita, O. Wada, T. Isu
P027	Davolos, Marian Rosaly São Paulo State University, Brazil	Spectroscopy Properties and Energy Level Location of Gd ₂ O ₂ S:Pr ³⁺ ,Ce ³⁺	M. A. Cebim, A. A. Da Silva, M. R. Davolos
P028	Jafelicci, Miguel São Paulo State University, Brazil	New Phosphinate Ligand Synthesis and its Effect on Optical Properties of the Europium B-Diketonate Complex	R. D. Adati, M. R. Davolos, M. Jafelicci Jr., S. A. M. Lima, C. Viegas Jr.

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P030	Sakano, Ayako Nagoya University, Japan	Fabrication of Yb ³⁺ , Nd ³⁺ Co-Doped Bi ₂ O ₃ -GeO ₂ Glass Phosphor for Optical Coherence Tomography Light Source	A. Sakano, S. Fuchi, and Y. Takeda
P031	Gwak, Jihye Korea Institute of Energy Research, South Korea	Electroluminescence Phosphor of Orange-Emitting ZnS:Mn,Cu,Cl	S.D. Han, J.I. Park, T.Y. Cho, J.P. Hulme, I.S. Chun, C.H. Han, J. Gwak
P032	Ryu, Jeong Ho Samsung Electro-Mechanics Co., LTD, South Korea	Synthesis and Luminescent Properties of β -SiAlON:Re (Re = Rare earths) for Light Emitting Diodes	Jeong Ho Ryu, Youn Gon Park, Hyong Sik Won, Sang Hyun Kim, Hideo Suzuki, Chulsoo Yoon
P033	Sandoval-Romero, Gabriel Eduardo Universidad Nacional Autónoma de México, Mexico	Theoretical Results of the Analytical and Numerical Solutions of Superluminescent Fiber Sources	G. E. Sandoval-Romero, O. Pottiez
P034	Mandowska, Ewa Jan Długosz University, Poland	Thermoluminescence Emission Spectra of LiF:Mg,Cu,P after Irradiation at Ultra High Doses	E. Mandowska, P. Bilski, J. Kim, A. Mandowski
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P037	Cyril Koughia University of Saskatchewan, Canada	Optical Properties of Er-Doped GaGeSe Glasses: Stark Levels in Absorption and Emission Spectra	C. Koughia, S. Kasap, M.G. Brik, Gokulakrishnan Soundararajan
P038	Williams, Grant Victoria University, New Zealand	Photo-Induced Absorption in RbCdF ₃ :Mn ²⁺	G. V. M. Williams, C. Dotzler, A. Edgar
P039	Oyeka, Jacinta University of Zululand, South Africa	Growth Modulation of Cadmium Selenide Nanocrystalline Semiconductor Quantum Dots: Implications for Improved Absorption and Fluorescence Properties	J E Oyeka, N Revaprasadu, GA Kolawole
P040	Gao, Jianbo University of Alberta, Canada	Synthesis and Thin Film Photoconductivity of Soluble Pentacene Oligomers	D. Lehnher, J. Gao, F.A. Hegmann, R.R. Tykwinski.
P041	Gao, Jianbo University of Alberta, Canada	Transient Photoconductivity in Pentacene Thin Films	J. Gao and F. A. Hegmann
P042	Nemova, Galina École Polytechnique de Montréal, Canada	Stimulated Raman Scattering in a Fibre Cladding: Evolution of Stokes Modes	Galina Nemova, Raman Kashyap
P043	Roberto, Dominique Università di Milano, Italy	The Role of the Cyclometallated Moiety on the Second Order Non Linear Optical Properties of Cationic Ir(III) Organometallic NLO-Phores	C. Dragonetti, S. Righetto, D. Roberto, A. Valore

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P045	Dwivedi, Yashashchandra Banaras Hindu University, India	White Light Emission from Rare Earth Doped Te Glasses	Y. Dwivedi, S. B. Rai
P046	González-Pérez, Sarah Universidad de La Laguna, Spain	Laser Irradiation of an Oxyfluoride Glass doped with Tm ³⁺ and Yb ³⁺ Ions	S. González-Pérez, I. R. Martín, F. Lahoz and P. Haro-González.
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P054	Syrotyuk, S.V. Lviv Polytechnic National University, Ukraine	The Electronic Energy Band Structure of II-VI Semiconductors in the Mixed Basis using the GGGA Approximation for the Exchange-Correlation Potential	S.V. Syroyuk
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P056	Kashiwaba, Yasuhiro Sendai National College of Technology, Japan	Homoepitaxial Growth of High-Quality Non-Polar ZnO Films by MOCVD and Evaluation of the Homoepitaxial ZnO Films by XRD Measurement for Asymmetric Planes	Y. Kashiwaba, T. Abe, A. Nakagawa, H. Endo, I. Niikura, Y. Kashiwaba
P057	DeCorby, Ray University of Alberta, Canada	Vertical Cavity Tunable Filters Fabricated by a Self-Assembly Buckling Process	Nakeeran Ponnampalam, Eric Epp, Robert Joseph, Jim N. McMullin, Ray G. Decorby
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P060	Frey, Joel University of Saskatchewan, Canada	Dark Current in Multilayer Stabilized Amorphous Selenium X-Ray Image Detectors	Joel Frey, S.O. Kasap, Olivier Tousignant
P061	Shirai, Hajime Saitama University, Japan	Rapid Crystallization of Amorphous Silicon utilizing a Microplasma Jet at Atmospheric Pressure	H. Shirai, K. Haruta, , M. Yeo, J.K.Saha, T. Kobayashi
P062	Lucovsky, Gerry NC State University, USA	Microscopic Relationships Between Local Bonding and Optically-Induced Switching along Two Tie-Lines in the Ge-Sb-Te Phase Field: (i) GeSb to Te, and (ii) GeTe to Sb ₂ Te ₃	G. Lucovsky, D.A. Baker, J.P. Washington, M.A. Paesler
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P065	Solam, Anupama Ohio University, USA	Modal Analysis of Amorphous ZnO Low Optical Overlap Mode (LOOM) Evanescent Wave Chemical Sensors	A. Solam, K. Manoharan, A. Srinivasan, and R. D. Whaley, Jr.
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P071	Yeshchenko, Oleg Taras Shevchenko Kyiv University, Ukraine	Optical Properties of Sol - Gel Fabricated Co/SiO ₂ Nanocomposites	Oleg A. Yeshchenko, Igor. M. Dmitruk, Alexandr A. Alexeenko, Andriy M. Dmytruk
P072	Leem, S.C. University of New Mexico, USA	Mid-Infrared Transmission Through a Single Subwavelength Circular Aperture coupled to a Surrounding Concentric Grating by Surface Plasmonic Excitation	S. C. Lee, Z. Ku, W.-Y. Jang, C. Hains, S. Krishna, and S. R. J. Brueck
P073	Zhang, Jin Yunnan University, China	First-principles Study of Electronic Structures of Few-Layer Graphene	M .M. Li, J. Zhang, F.J. Li, F.X. Zhu, Q.F. Hu, and R.L. Wang

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P075	Tanner, Peter City University of Hong Kong, China	Vacuum Ultraviolet Spectra of KPb ₂ Cl ₅ :Er ³⁺	Guohua Jia, Peter A. Tanner, Meng-Yeh Lin, Bing-Ming Cheng, Chaoyang Tu
P076	Pandey, Girijesh Anand Engineering College, India	Optical Properties of Photonic Crystals Containing Superconductor	G.N. Pandey, Khem B. Thapa, S/P. Ojha
P077	Dwivedi, A. D.D. Banaras Hindu University, India	Modeling, Analytical and ATLAS Simulation of an Hg _{1-x} Cd _x Te (MCT) based Photoconductive Detectors for Free Space Optical Communication operating Near 10.6 μm Atmospheric Window	A. D.D. Dwivedi and P. Chakrabarti
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P082	Sagayaraj, P / Nirmala Jothi Loyola College, Chennai, India	Synthesis and Characterization of Cd _{1-x} Mn _x S Nanoparticles	N.S Nirmala Jothi, P. Dennis Christy and P. Sagayaraj
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P085	Sagayaraj, P / Yogam Loyola College, Chennai, India	Studies on the Growth and Characterization of LASP and LAM Nonlinear Optical Amino Acid Single Crystals	F. Yogam, N.S Nirmala Jothi, M. Vimalan and P. Sagayaraj
P086	Sanjeev, L MJP Rohilkhand University, India	Analytical Model of a Single Heterojunction LED for Gas Sensor Instrumentation System in Mid-infrared (2-5μm) Spectral Region	Sanjeev, P. Chakrabarti
P087	Mustafa, Falah Punjab University, India	Temperature Dependence of the Energy Gap, Refractive Index and Optical-Oscillator Parameters of Amorphous Ga _x Se _{1-x} (x = 0.4, 0.5, 0.6) Thin Films	Falah I. Mustafa, N. Goyal, S. K. Tripathi
P088	RajaRajan, K Rajeswari Vedachalam Government Arts College, India	Investigations on the A.C. Conductivity and Photoconductivity Studies of an Organometallic Complex TMTM Single Crystals	K.Rajarajan, I.Vetha Potheher, P.Sagayaraj

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P090	Ladjouzi, Samia Centre de Recherche Nucléaire de Draria, Algeria	Physical Properties of Phosphate Oxide Glasses	S. Ladjouzi, S.Saoudi, D.Louhibi, A.kermaoui
P091	Alireza, Bananej Laser and Optics Research School, NSTRI, Iran	Optical Nonlinear Properties of Transparent Metalodielectric One Dimensional Photonic Crystals	A.Bananej, M.Vaezadeh, H.Alimadadi, S.M.Hamidi, M. Noorbakhsh, F.Heidarpour
P092	Asgari, Asghar Research Institute for Applied Physics, University of Tabriz, Iran	Theoretical Investigations on the Excitons Electrostatic Traps in AlGaIn/GaN Double Quantum Well Systems	A. Asgari, S. Safa
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P096	Soltani, Vala University of Tabriz, Iran	Tuning of Defect Modes in One-Dimensional Photonic Crystals Containing a Nematic Liquid Crystal as a Defect Layer	A. Soltani. Vala, B. Rezaei, M. Kalafi