

Program of Inter Academia 2015

Monday, September 28, 2015

ROOM 41

9:10 Opening Remarks

Plenary Talks

Chair: Prof. M. Nagatsu

9:40	PT-1	New perspectives in low-dimensional titania-based materials D. Luca ¹ , C. T. Teodorescu-Soare ¹ , M. Dobromir ¹ , G. Stoian ² , R. P. Apetrei ¹ , and N. Lupu ² (1 Alexandru Ioan Cuza University, Romania, 2 National Institute of Research & Development for Technical Physics, Romania)	2
10:10	PT-2	Surface Acoustic Wave Sensors for Human and Structural Health Monitoring J. Kondoh (Graduate School of Science and Technology, Shizuoka University, Japan)	4

ROOM 43

Terahertz

Chair: Prof. L. Sirghi and Dr. M. Takeda

11:00	O-1A1	Theoretical Study on the Intensity Generation Mechanisms of the Terahertz Spectrum of Liquid Water H. Torii (Faculty of Education and Graduate School of Science and Technology, Shizuoka University, Japan)	8
11:20	O-1A2	A Method for Classifying Materials of Objects Detected by the Sub-THz Passive Body Scanner N. Hiromoto ¹ , K. Mori ² , and J. Sato ² (1 Shizuoka University, Japan, 2 KSK Corporation, Japan)	10
11:40	O-1A3	Monitoring of crystal structure conversion of pharmaceuticals by a CW THz spectroscopic imaging system T. Sasaki ¹ , T. Sakamoto ² , and J. Nishizawa ³ , (1 Research Institute of Electronics, Shizuoka University, Japan, 2 Division of Drugs, National Institute of Health Sciences, Japan, 3 Nishizawa Memorial Center, Tohoku University, Japan)	12

Plasma Physics

Chair: Prof. L. Poperenko and Prof. T. Mieno

13:20	O-1A4	Functionalization of Nanoscopic Probes by Plasma Assisted Thin Film Deposition L. Sirghi, A. Apetrei, V. Anita, and M. Dobromir (Alexandru Ioan Cuza University, Romania)	14
13:40	O-1A5	Detection of trace substances by Ion Mobility Spectrometry M. Sabo and Š. Matejčík (Department of Experimental Physics, Comenius University Bratislava, Slovakia)	16
14:00	O-1A6	Production of Carbon Nano-Particles including Amino Acids by Impact Reactions in Nitrogen Gas by Use of a Gas-Gun T. Mieno ¹ , K. Ookouchi ² , K. Kondo ² , S. Hasegawa ³ , and K. Kurosawa ⁴ (1 Grad. School of Science & Technology, Shizuoka University, Japan, 2 Dept. Physics, Shizuoka University, Japan, 3 ISAS/JAXA, Japan, 4 PERC, Chiba Inst. Technology, Japan)	18
14:20	O-1A7	Non-equilibrium plasma sustained by traveling wave at atmospheric pressure E. Benova (Sofia University, Bulgaria)	20
14:40	O-1A8	THE STUDY SYSTEM IN PHYSICS FACULTY OF TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV M. V. Makarets and L. V. Poperenko (1 Taras Shevchenko National University of Kyiv, Faculty of Physics, Ukraine)	22

ROOM 44

Informatics 1

Chair: Prof. A. R. Várkonyi-Kóczy and Prof. Y. Miyazaki

11:00	O-1B1	A Human Computer Interactions Framework for Biometric User Identification K. Kanev ¹ , M. De Marsico ² , and P. Bottoni ² (1 Graduate School of Informatics, Shizuoka	24
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	University, Japan, 2 Department of Computer Science, Sapienza University of Rome, Italy)	
11:20 O-1B2	Towards Advanced Networking and M-services with Enhanced Information Security and Integrated Support for Big Data Analytics P. Hung ¹ , K. Kanev ^{1,2} , Y. Shirai ² , K. Yuura ² , M. Nishigaki ² , H. Mineno ² , and V. Wilkinson ² (1 University of Ontario Institute of Technology, Canada, 2 Shizuoka University, Japan)	26
11:40 O-1B3	Innovative Way of Offering Master's Program on Data Analytics R. P. Barneva ¹ , V. E. Brimkov ² , J. O. Carbonara ² , J. Favata ² , B. Sherman ² , and K. Kanev ³ , (1 The State University of New York at Fredonia, USA, 2 SUNY Buffalo State, USA, 3 Shizuoka University, Japan)	28

Informatics 2

Chair: Prof. K. Kanev and Prof. M. Luca

13:20 O-1B4	An Interactive Tool for Sketch-Based Annotation M. Antico ¹ , D. Avola ¹ , P. Bottoni ¹ , A. Hawash ² , K. Kanev ³ , and F. P. Presicce ¹ (1 Department of Computer Science, Sapienza University of Rome, Italy, 2 Department of Computer Information Systems, An-Najah National University of Palestine, 3 Graduate School of Informatics, Shizuoka University, Japan)	30
13:40 O-1B5	User Authentication System Based on Keystroke Timing in E-Learning Settings Y. Miyazaki ¹ and A. Kouno ² (1 Graduate School of Integrated Science and Technology, Shizuoka University, Shizuoka, Japan, 2 Graduate School of Informatics, Shizuoka University, Shizuoka, Japan)	32
14:00 O-1B6	Brain-inspired model for multiagent semantic image interpretation M. Luca ¹ and V. Tulceanu ² (1 Institute of Computer Science, Romanian Academy, Iași Branch, 2 Faculty of Computer Science, "Al. I. Cuza" University of Iași, Romania)	34
14:20 O-1B7	A Fuzzy Information Measure for Image Quality Improvement A. R. Várkonyi-Kóczy ^{1,2,3} and J. T. Tóth ³ (1 Institute of Mechatronics and Vehicle Engineering, Óbuda University, Hungary, 2 Integrated Intelligent Systems Japanese-Hungarian Laboratory, 3 Department of Mathematics and Informatics, J. Selye University, Slovakia)	36
14:40 O-1B8	Engineering of Microbial Garbage Treating Plants S. Matsuda (Department of Applied Chemistry and Biochemical Engineering, Shizuoka University, Japan)	38

Tuesday, September 29, 2015

ROOM 43

Special session 1 for young researchers and students (Oral)

Chair: Prof. E. Benova and Prof. D. Moraru

9:00 OY-A1	Cost-effective auditory evoked magnetoencephalography A. Jodko-Władzińska ¹ , R. Kühler ² , J. Hensel ² , T. Pałko ¹ , and T. Sander ³ (1 Warsaw University of Technology, Faculty of Mechatronics, Poland, 2 Physikalisch-Technische Bundesanstalt, Department of Acoustics and Dynamics, Germany, 3 Physikalisch-Technische Bundesanstalt, Department of Biosignals, Germany)	42
9:10 OY-A2	Brain-computer interfacing for interaction in ad-hoc heterogeneous sensor agents groups V. Tulceanu ¹ , and M. Luca ² (1 Faculty of Computer Science, "Al. I. Cuza" University of Iasi, Romania, 2 Institute of Computer Science, Romanian Academy, Iasi Branch)	44
9:20 OY-A3	Framework for Sense Disambiguation of Mathematical Expressions T. Watabe, Y. Miyazaki, and S. Tanaka (Graduate School of Science and Technology, Shizuoka University, Japan, Graduate School of Integrated Science and Technology, Shizuoka University, Japan, College of Letters, Ritsumeikan University, Japan)	46
9:30 OY-A4	Fuzzy Classifier Hyper-matrices for Rapid Data Classification B. Tusor ¹ , and A. R. Várkonyi-Kóczy ^{1,2,3} (1 Integrated Intelligent Syst. Japanese-Hungarian Lab., Óbuda University, Hungary, 2 Institute of Mechatronics and Vehicle Engineering, Óbuda University, Hungary, 3 Department of Mathematics and Informatics, J. Selye University, Slovakia)	48

9:40	OY-A5	Physical Properties of novel Cu_{1-x}Cd_xS₂ ternary compound semiconductor thin films by single step solution process for low cost photovoltaic devices V. Nirmal Kumar ^{1,2,3} , R. Suriakarthick ³ , R. Gopalakrishnan ³ and Y. Hayakawa ² (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Research Institute of Electronics, Shizuoka University, Japan, 3 Crystal Research Lab, Department of Physics, Anna University, India)	50
9:50	OY-A6	Structure and properties of biocompatible antimicrobial polymersbased coatings deposited from the active gas phase A. A. Rogachev ¹ , M. A. Yarmolenko ¹ , D. Tapalski ² , G. V. Butovskaya ³ , and L. P. Krul ³ (1 F. Skorina Gomel State University, Belarus, 2 Gomel State Medical University, Belarus, 3 Belarusian State University, Belarus)	52
10:00	OY-A7	Stiffness control of a robotic arm using Robust Fixed Point Transformations T. A. Várkonyi, J. K. Tar, and I. J. Rudas (Antal Bejczy Center for Intelligent Robotics, Óbuda University, Hungary)	54

ROOM 44

Special session 2 for young researchers and students (Oral)

Chair: Prof. M. Tabe and Prof. H. Inokawa

9:00	OY-B1	AFM study of surface forces involved in self-assembling colloidal masks A. Demeter, F. Samoila, and L. Sirghi (Iasi Plasma Advanced Research Center (IPARC), Faculty of Physics, Alexandru Ioan Cuza, University of Iasi, Romania)	56
9:10	OY-B2	Effect of Spray Conditions on Formation of One-dimensional Fluorine-doped Tin Oxide Thin Films A. Bandara ¹ , R. M. G. Rajapakse ² , M. Okuya ³ , M. Shimomura ³ , and K. Murakami ³ (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Department of Chemistry, University of Peradeniya, Sri Lanka, 3 Graduate School of Integrated Science and Technology, Shizuoka University, Japan)	58
9:20	OY-B3	Optimization of ZnO Seed Layer for Growth of Vertically Aligned ZnO Nanorods on Glass Surface A. Bramantyo ¹ , N. R. Poespawati ² , and K. Murakami ³ (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Department of Electrical Engineering, Universitas Indonesia, Indonesia, 3 Graduate School of Integrated Science and Technology, Shizuoka University, Japan)	60
9:30	OY-B4	Effect of synthesis route and dopant type and its concentration on crystal structure and luminescent properties of phosphors L. A. Lebedev, N. S. Podsypanina, V. V. Malygin, M. M. Sychov, and V. V. Bakhmetyev (Saint-Petersburg Institute of Technology (Technical University), Russia)	62
9:40	OY-B5	Multi-functionalization of Carbon Nanotubes Dot Array Using Atmospheric Pressure Plasma Jet for Biochip Application T. Abuzairi ^{1,2} , M. Okada ³ , N. R. Poespawati ² , R. W. Purnamaningsih ² and M. Nagatsu ^{1,3} (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Department of Electrical Engineering, Universitas Indonesia, Indonesia, 3 Graduate School of Engineering, Shizuoka University, Japan)	64
9:50	OY-B6	Plasma assisted surface modification of magnetron sputtered ZnO thin films for development of novel functional materials for biosensing chips M. A. Ciolan ^{1,3} , I. Motrescu ² , D. Luca ¹ , and M. Nagatsu ³ (1 Alexandru Ioan Cuza University, Faculty of Physics, Romania, 2 Department of Science, University of Agricultural Science and Veterinary Medicine "Ion Ionescu de la Brad", Romania, 3 Graduate School of Science and Technology, Shizuoka University, Japan)	66
10:00	OY-B7	Characterization of microdischarges in compressed ambient air from DC up to VHF M. Klas, L. Moravský, and Š. Matejíček (Department of Experimental Physics, Comenius University, Slovakia)	68

ROOM 43

Special session 3 for young researchers and students (Short Oral & Poster)

Chair: Prof. V. Gnatyuk and Prof. N. Hiromoto

10:20	PY1-1	P Microbial Fuel Cell with Garbage Treatment Y. Chiba and S. Matsuda (Department of Applied Chemistry and Biochemical Engineering, Shizuoka University, Japan)	70
	PY1-2	A Search for Effective Microorganisms in Garbage Treatment K. Konagai and S. Matsuda (Department of Applied Chemistry and Biochemical Engineering, Shizuoka University, Japan)	72
	PY1-3	Analysis of Overload Phenomenon in Garbage Decomposition T. Maruchi and S. Matsuda (Department of Applied Chemistry and Biochemical Engineering, Shizuoka University, Japan)	74
	PY1-4	Strategic Management System for Control of Lake Pollution --Case studies of two lakes in Japan and in China Q. Yu and S. Matsuda (Department of Applied Chemistry and Biochemical Engineering, Shizuoka University, Japan)	76
	PY1-5	An approach based on a model to rectify the framework problems of waste treatment industry Y. Kanayama and K. Takeda (Graduate School of Integrated Science and Technology, Shizuoka University, Japan)	78
	PY1-6	Intelligent Neural Network Design for Nonlinear Control using Simultaneous Perturbation Stochastic Approximation (SPSA) Optimization A. Dineva ¹ , A. R. Várkonyi-Kóczy ² , and J. K. Tar ³ , (1 Doctoral School of Applied Informatics and Applied Mathematics, Óbuda University, Hungary, 2 Institute of Mechatronics & Vehicle Engineering, Óbuda University, Hungary, 2 Department of Mathematics and Informatics, J. Selye University, Slovakia, 3 Institute of Applied Mathematics, Óbuda University, Hungary)	80
	PY1-7	Effects of operational conditions on drying characteristics of slurry in fluidized bed of inert particles under reduced pressure A. Komuro, K. Koyanagi, and Y. Tatemoto (Department of Applied Chemistry and Biochemical Engineering, Faculty of Engineering, Graduate School of Integrated Science and Technology, Shizuoka University, Japan)	82
	PY1-8	Numerical analysis of drying characteristics of wet material in fluidized bed of hygroscopic porous particles A. Koido, A. Numagami, T. Sawada, and Y. Tatemoto (Department of Applied Chemistry and Biochemistry Engineering, Faculty of Engineering, Graduate School of Integrated Science and Technology, Shizuoka University, Japan)	84
	PY1-9	Measurement of the constant drying rate in various drying conditions R. Ogawa, M. Matsunaga, and Y. Tatemoto (Department of Applied Chemistry and Biochemistry Engineering, Faculty of Engineering, Graduate School of Integrated Science and Technology, Shizuoka University, Japan)	86
	PY1-10	Drying characteristics of frozen materials in a fluidized bed of inert particles under reduced pressure A. Hagimoto, T. Mibu, Y. Yokoi, and Y. Tatemoto (Department of Applied Chemistry and Biochemistry Engineering, Faculty of Engineering, Graduate School of Integrated Science and Technology, Shizuoka University, Japan)	88
	PY1-11	Evaluation of Listening Area by Multiple Focused Sound Sources Reproduction in Wave Field Synthesis S. Akamatsu and Y. Tatekura (Graduate School of Integrated Science and Technology, Shizuoka University, Japan)	90
	PY1-12	Multichannel simultaneous measurement method of room impulse responses based on ESMIR method T. Amano ¹ and Y. Tatekura ² (1 Graduate School of Engineering, Shizuoka University, Japan, 2 Graduate School of Integrated Science and Technology, Shizuoka University, Japan)	92
	PY1-13	Photonic metamaterial absorber for infrared spectral range based on 3D split-ring	94

	resonators I. A. Faniayeu ^{1,2} , and V. Mizeikis ¹ (1 Research Institute of Electronics, Shizuoka University, Japan, 2 Department of General Physics, Gomel State University, Belarus)	
PY1-14	Analysis of transmission characteristics of corrugated metal structure A. Miyamichi ¹ , A. Ono ² , and V. Mizeikis ² (1 Graduate School of Integrated Science and Technology, Shizuoka University, Japan, 2 Research Institute of Electronics, Shizuoka University, Japan)	96
PY1-15	Optical tweezers for elastic analysis on/inside of MARCO cells A. Statsenko ¹ , W. Inami ² , Y. Kawata ² , and L. Poperenko ³ (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Department of Mechanical Engineering, Shizuoka University, Japan, 3 Taras Shevchenko National University of Kyiv, Ukraine)	98
PY1-16	Preliminary discussion of two-photon microscopy in deep-UV region A. Al-Tabich ^{1,2} , W. Inami ¹ , Y. Kawata ¹ , and R. Jablonski ² (1 Graduate School of Engineering, Shizuoka University, Japan, 2 Faculty of Mechatronics, Warsaw University of Technology, Poland)	100
PY1-17	Effect of added Polyvinylpyrrolidone on Mechanoluminescent Property of Europium-doped Dibenzoylmethide Triethylammonium R. A. D. M. Ranashinghe ¹ , R. M. G. Rajapakse ² , O. A. Illeperuma ² , M. Okuya ³ , M. Shimomura ³ and K. Murakami ³ (1 Graduate School of Science and Technology and 3Graduate School of Integrated Science and Technology, Shizuoka University, Japan, 2 Department of Chemistry, University of Peradeniya, Sri Lanka)	102
PY1-18	Discharge current and pressure dependence of production rate of single-walled carbon nanotubes by the low frequency bipolar pulse arc discharge method M. A. Kalam ¹ , K. Haniummaria ¹ , and T. Mieno ^{1,2} (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Department of Physics, Shizuoka University, Japan)	104
PY1-19	THEORETICAL INVESTIGATION OF ARGON SURFACE-WAVE-SUSTAINED PLASMA TORCH AT ATMOSPHERIC PRESSURE P. Marinova, M. Atanasova, and E. Benova (Sofia University "St. Kliment Ohridski", Bulgaria)	106
PY1-20	Experimental verification of reduced metal collection in alumina reduction using laser sustained plasma Y. Sato ¹ , R. Myoen ¹ , M. Matsui ¹ , K. Komurasaki ² , and Y. Arakawa ³ (1 Shizuoka University, Japan, 2 University of Tokyo, Japan, 3 Teikyo Heisei University, Japan)	108
PY1-21	Preliminary results of a new method of touch probe tip radius compensation for scanning coordinate measurements M. Nalewczyński and A. Woźniak (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Poland)	110
PY1-22	Influence of fixtures on geometry measurements of low-rigidity elements M. Dawidziuk and A. Woźniak (Warsaw University of Technology, Institute of Metrology and Biomedical Engineering, Poland)	112
PY1-23	Experimental research of features of matched bifilar helical antenna with optimal parameters S. D. Barsukou, A. S. Pobiyakha, S. A. Khakhomov, and I. V. Semchenko (Francisk Skorina Gomel State University, Belarus)	114
PY1-24	Phonon crystals with the structure induced by the variable electric field S. D. Barsukou, S. A. Khakhomov, and I. V. Semchenko (Francisk Skorina Gomel State University, Belarus)	116
PY1-25	Growth of spinnable ultra-long vertically aligned MWCNT array for large-scale CNT applications T. Kinoshita, T. Nakano, and Y. Inoue (Department of Electronics and Materials Science, Shizuoka University, Japan)	118

Short Oral & Poster 1

P1-1	Development of microbial particles for a drug delivery system Y. Hasegawa ¹ , M. Shintani ^{2,3} , M. Ohkuma ³ , K. Kimbara ² , H. Futamata ² , Y. Tashiro ² (1 Graduate School of Engineering, Shizuoka University, Japan, 2 Graduate school of Integrated Science and	120
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	Technology, Shizuoka University, Japan, 3 Japan Collection of Microorganisms, RIKEN BioResource center, Japan)	
P1-2	Evaluation of kinetic-inductance nonlinearity in a single-crystal NbTiN-based coplanar waveguide M. Takeda ¹ , T. Kojima ² , A. Saito ³ , K. Makise ⁴ , and H. Shimakage ⁵ (1 Graduate School of Integrated Science and Technology, Shizuoka University, Japan, 2 Advanced Technology Center, National Astronomical Observatory of Japan, Japan, 3 Graduate School of Science and Engineering, Yamagata University, Japan, 4 Advanced ICT Research Institute, NICT, Japan, 5 College of Engineering, Ibaraki University, Japan)	122
P1-3	The equilibrium state of bifilar helix as element of metamaterials I. V. Semchenko ¹ , S. A. Khakhomov ¹ , A. L. Samofalov ¹ , and Q. Songsong ² (1 Francisk Skorina Gomel State University, Belarus, 2 Nanjing University of Science and Technology, China)	124
P1-4	Sub-surface Laser Encoding of Physical Objects for Enhanced Privacy and Digital Security V. Mizeikis and K. Kanev (Shizuoka University, Japan)	126
P1-5	Direct-Access Pattern Interface for Geometric Networks V. E. Brimkov ¹ , R. P. Barneva ² , and K. Kanev ³ (1 SUNY Buffalo State, NY, USA, 2 The State University of New York at Fredonia, NY, USA, 3 Shizuoka University, Hamamatsu, Japan)	128
P1-6	Adaptive Speech Recognition Framework for Dysarthric Patients G. Simon-Nagy ¹ and A. R. Várkonyi-Kóczy ^{2,3,4} (1 Doctoral School of Applied Informatics and Applied Mathematics, Óbuda University, Hungary, 2 Institute of Mechatronics and Vehicle Engineering, Óbuda University, Hungary, 3 Integrated Intelligent Systems Japanese-Hungarian Laboratory, 4 Department of Mathematics and Informatics, J. Selye University, Slovakia)	130
P1-7	Towards Home Communications and Services with Enhanced Security: Augmented Embedded Systems for Communication Appliances K. Kanev ¹ , A. Mei ² , and P. Bottoni ² (1 Graduate School of Informatics, Shizuoka University, Japan, 2 Department of Computer Science, Sapienza University of Rome, Italy)	132
P1-8	The skill representation of a multimodal communication care method for people with dementia S. Ishikawa ¹ , M. Ito ² , M. Honda ³ , Y. Takebayashi ¹ (1 Shizuoka University, Japan, 2 Tokyo Metropolitan Institute of Gerontology, Japan, 3 Tokyo Medical Center, Japan)	134
P1-9	Surface Plasmon Resonance of Nanostructured ZnO/Au for Gas Sensing Application R. Nuryadi ^{1,2} and R. D. Mayasari ¹ (1 Center for Materials Technology, Agency for the Assessment and Application of Technology, Indonesia, 2 Research Institute of Electronics, Shizuoka University, Japan)	136

ROOM 44

Special session 4 for young researchers and students (Short Oral & Poster)

Chair: Prof. M. M. Sychov and Prof. J. Kondoh

10:20	PY2-1	Age-Related Deterioration of Contractile Activity of Actomyosin Complex in Rat Gastrointestinal Smooth Muscle K. Zelenska, N. Nurishchenko, T. Beregova, O. Shelyuk, and Yu. Tseysler (Educational and Scientific Centre "Institute of Biology" Taras Shevchenko National University of Kyiv, Ukraine)	138
	PY2-2	Laser-Induced Incandescence of Rough Carbon Surfaces K. Zelenska ¹ , S. Zelensky ² , A. Kopyshinsky ² , and T. Aoki ³ (1 Educational and Scientific Centre "Institute of Biology", Taras Shevchenko National University of Kyiv, Ukraine, 2 Faculty of Physics, Taras Shevchenko National University of Kyiv, Ukraine, 3 Research Institute of Electronics, Shizuoka University, Japan)	140
	PY2-3	Ag and Er co-doped TiO₂ nanocomposites for enhanced photocatalytic activity under visible light irradiation N. Prakash ¹ , R. Karthikeyan ¹ , D. Thangaraju ² , M. Navaneethan ² , T. Koyama ² , and Y. Hayakawa ^{1,2} (1 Graduate School of Science and Technology, 2 Research Institute of Electronics, Shizuoka University, Japan)	142

PY2-4	Numerical simulation of InGaSb crystals growth under Micro-Gravity environment onboard the International Space Station X. Jin ¹ , H. Mirsandi ¹ , T. Yamamoto ¹ , Y. Takagi ¹ , Y. Okano ^{1,2,4,5} , Y. Inatomi ^{2,3} , Y. Hayakawa ⁴ , and S. Dost ⁵ (1 Department of Materials Engineering Science, Osaka University, Japan, 2 ISAS, Japan Aerospace Exploration Agency, Japan, 3 School of Physical Sciences, SOKENDAI, Japan, 4 Research Institute of Electronics, Shizuoka University, Japan, 5 Crystal Growth Laboratory, University of Victoria, Canada)	144
PY2-5	Formation and investigation of doped cerium oxide thin films formed using e-beam deposition technique N. Kainbayev, K. Bockute, D. Virbukas, and G. Laukaitis (Physics Department, Kaunas University of Technology, Lithuania)	146
PY2-6	Mg and Ca doping influence on the microstructure and the properties of TiO₂ thin films M. Sriubas and G. Laukaitis (Physics Department, Kaunas University of Technology, Lithuania)	148
PY2-7	Microwave synthesis of Eu-doped chlorine-silicate phosphors M. V. Keskinova ¹ , K.A. Ogurtsov ¹ , I. A. Turkin ¹ , M. M. Sychov ¹ , Y. Nakanishi ² , and K. Hara ² (1 Saint-Petersburg Institute of Technology (Technical University), Russia, 2 Research Institute of Electronics, Shizuoka University, Japan)	150
PY2-8	Phase controlled nickel sulfide nanoparticles and their catalytic applications K. Rajan ¹ , T. Deivasigamani ² , P. Natarajan ¹ , T. Koyama ² , Y. Hayakawa ^{1,2} (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Research Institute of Electronics, Shizuoka University, Japan)	152
PY2-9	Controlled synthesis and characterization of ethylenediamine passivated ZnO nanostructures and its photocatalytic activity under visible light irradiation S. Harish ^{1,2,3} , J. Archana ² , M. Navaneethan ² , S. Ponnusamy ³ , C. Muthamizhchelvan ³ and Y. Hayakawa ² (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Research Institute of Electronics, Shizuoka University, Japan, 3 Center for Materials Science and Nano Devices, Department of Physics, SRM University, India)	154
PY2-10	Energy dispersive X-ray analysis of the graded band gap CdZnTe films L. Grase ¹ , Ya. Znamenshchykov ² , V. Kosyak ^{2,3} , A. Medvids ³ , A. Opanasyuk ² , and G. Mezinskis ¹ (1 Institute of Silicate Materials, Faculty of Material Science and Applied Chemistry, Riga Technical University, Latvia, 2 Faculty of Electronics and Informational Technology, Sumy State University, Ukraine, 3 Institute of Technical Physics, Faculty of Material Science and Applied Chemistry, Riga Technical University, Latvia)	156
PY2-11	Synthesis of fluorescent material from scallop shell powder by calcinations in carbon dioxide atmosphere T. Sekiguchi, I. Okajima, and T. Sako (Shizuoka University, Japan)	158
PY2-12	Development of metal thin film coating technique of nanoparticle using supercritical CO₂ K. Oyama, I. Okajima, and T. Sako (Shizuoka University, Japan)	160
PY2-13	Optimization of CdZnTe crystal physical parameters by nanosecond laser E. Dauksta, A. Medvid', and A. Mychko (Riga Technical University, Faculty of Materials Science and Applied Chemistry, Latvia)	162
PY2-14	Bio-based nanomaterials – versatile materials for industrial and biomedical applications L. Vecbiskena ^{1,2} , L. Vikele ^{1,3} , L. Rozenberga ^{1,3} , and M. Laka ¹ (1 Latvian State Institute of Wood Chemistry, Latvia, 2 Riga Technical University, Latvia, 3 University of Latvia, Latvia)	164
PY2-15	Mechanisms of Laser-Induced Doping under Direct Irradiation of CdTe-In Interface through the CdTe Crystal D. V. Gnatyuk ¹ and T. Aoki ^{2,3} , (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Graduate School of Informatics, Shizuoka University, Japan, 3 Research Institute of Electronics, Shizuoka University, Japan)	166

PY2-16	Plasmachemical deposition of conductive polymer and semiconductive coatings: structure, optical, electrical and sensing properties M. A Yarmolenko ¹ , A. A. Rogachev ¹ , D. L. Gorbachev ¹ , and A. A. Bepal'ko ² (1 F. Skorina Gomel State University, Belarus, 2 National Research Tomsk Polytechnic University, Russia)	168
PY2-17	Development of high B composition B GaN by Mg surfactant T. Nakamura ¹ , K. Ueyama ¹ , Y. Inoue ¹ , H. Mimura ² , T. Aoki ² , and T. Nakano ¹ (1 Dept. of Electronics and Materials Science, Shizuoka University, Japan, 2 Res. Inst. of Electronics, Shizuoka University, Japan)	170
PY2-18	Efficiency of Al source supply to B composition in BAlGaIn epitaxial growth T. Arikawa ¹ , Y. Inoue ¹ , H. Mimura ² , T. Aoki ² , and T. Nakano ¹ (1 Dept. of Electronics and Materials Science, Shizuoka University, Japan, 2 Res. Inst. of Electronics, Shizuoka University, Japan)	172
PY2-19	Vertically aligned TiO₂ one-dimensional nanostructured arrays with different lengths prepared using one-step template method for DSC applications E. K. D. H. D. Siriwardena ¹ , M. Shimomura ^{1,2} , A. Kondo ² , R. Endo ² , K. Murakami ^{1,2} , and R. A. D. M. Ranasinghe ¹ (1Graduate School of Science and Technology, Shizuoka University, JAPAN, 2Graduate School of Integrated Science and Technology, Shizuoka University, JAPAN)	174
PY2-20	Local trapping and recombination of charge carriers in heterostructures with Ge nanoclusters A. O. Mykytiuk ¹ and S. V. Kondratenko ² (1State enterprise of a special instrumentation "Arsenal", Ukraine, 2Taras Shevchenko National University of Kyiv, Physics Department, Ukraine)	176
PY2-21	Synthesis of copper initiated carbonaceous nanostructures by direct current arc discharge R. Hu ^{1,2} , X. Wang ² , and M. Nagatsu ¹ (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Institute of Plasma Physics, Chinese Academy of Sciences, China)	178
PY2-22	Enhanced Room-Temperature Thermoelectric Performance of CGNs cotton fabric through Ultrasonically Assisted Hydrothermal Approach V. Pandiyarasan, S. Faiz, Y. Suzuki and H. Ikeda (Graduate School of Science and Technology, Shizuoka University, Japan, Research Institute of Electronics, Shizuoka University, Japan)	180
PY2-23	Seebeck Coefficient in Nanometer-Scaled Si Wire Co-doped with P and Ga Y. Suzuki ^{1,2} , F. Salleh ¹ , M. Shimomura ² , Y. Kamakura ³ and H. Ikeda ^{1,2} (1Graduate School of Science and Technology, Shizuoka University, Japan, 2 Research Institute of Electronics, Shizuoka University, Japan, 3 Graduate School of Engineering, Osaka University, Japan)	182
PY2-24	Electrical properties of CSD-derived PMN-PT epitaxial thin films on Si wafer T. Arai ¹ , T. Ohno ² , N. Sakamoto ³ , T. Matsuda ² , N. Wakiya ³ , and H. Suzuki ³ (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Department of Materials Science, Kitami Institute of Technology, Japan, 3 Research Institute of Electronics, Shizuoka University, Japan)	184
PY2-25	Ellipsometric diagnostics homogeneity of indium tin oxide films T. Hanulia ¹ , V. Lendel ² , and L. Poperenko ¹ (1 Taras Shevchenko National University of Kyiv, Depart. of Physics, Ukraine, 2 Taras Shevchenko National University of Kyiv, Mech.-Math. Dept., Ukraine)	186
PY2-26	Fabrication of thin Ge-on-insulator layer by wafer bonding method V. Manimuthu ^{1,2} , F. Salleh ¹ and H. Ikeda ^{1,2} (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Research Institute of Electronics, Shizuoka University, Japan)	188
PY2-27	Novel electron beam heating model using Monte Carlo simulation and numerical solution in heat transfer for characterizing thermal conductivity N. Yamashita, F. Salleh, F. Kuwahara, M. Shimomura, K. Murakami, H. Ikeda (Graduate School of Science and Technology, Shizuoka University, Japan, Research Institute of Electronics, Shizuoka University, Japan)	190
PY2-28	Synthesis of triangular Si nanowires using catalytic particles consisting of Si, Mn and Cl	192

	H. Suzuki, X. Meng, H. Tatsuoka (Shizuoka University, Japan)	
PY2-29	Synthesis of superparamagnetic magnesium ferrite nanoparticles and coated with silica shell H. Das ^{1,2} , T. Arai ¹ , N. Sakamoto ³ , K. Shinozaki ⁴ , H. Suzuki ^{1,3} , N. Wakiya ^{1,3} (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Materials Science Division, Bangladesh Atomic Energy Commission, Bangladesh, 3 Research Institute of Electronics, Shizuoka University, Japan, 4 Department of Metallurgy and Ceramics Science, Tokyo Institute of Technology, Japan)	194

Short Oral & Poster 2

P2-1	Direct growth of Nb-doped TiO₂ thin films by RF magnetron sputtering on (100)Si and glass substrates R. P. Apetrei, M. Dobromir, C. T. Teodorescu-Soare, and D. Luca (Iasi Plasma Advanced Research Center (IPARC), Faculty of Physics, Alexandru Ioan Cuza University, Romania)	196
P2-2	Optical properties of surface layers of amorphous and polycrystalline metallic materials modified by laser and ion implantation treatment L. V. Poperenko ¹ , I. V. Yurglevych ¹ , O. G. Lopatynska ¹ , H. Mimura ² (1 Faculty of Physics of Taras Shevchenko National University of Kyiv, Ukraine, 2 Research Institute of Electronics, Shizuoka University, Japan)	198
P2-3	Microplasma Actuator for Active Flow Control: Experiment and Simulation K. Shimizu, Y. Mizuno, A. Ito, and M. Blajan (Organization for Innovation and Social Collaboration, Shizuoka University, Japan)	200
P2-4	Fabrication of Platinum Coated Glass using Sputtering System for Dye-Sensitized Solar Cell M. K. Ahmad, E. R. Rizon, C. F. Soon, and N. Nafarizal (Microelectronics and Nanotechnology-Shamsuddin Research Center (MiNT-SRC), Universiti Tun Hussein Onn Malaysia, Malaysia)	202
P2-5	Development of a flicking system for producing calcium alginate microbeads C. F. Soon and S. C. Wong (Faculty of Electrical and Electronic Engineering, Universiti Tun Hussein Onn Malaysia, Malaysia)	204

Wednesday, September 30, 2015

ROOM 43

Material Science and Nanotechnology 1

Chair: Prof. D. Luca and Prof. M. Shimomura

9:00	O-3A1	Crystallographic structures and limiting factors of carrier transport in organic polycrystalline films R. Matsubara and A. Kubono (Department of Electronics and Materials Science, Shizuoka University, Japan)	208
9:20	O-3A2	Formation of thin a-C:H films on the silicon surface with metal clusters Z. Rutkuniene and L. Vigriceite (Kaunas University of Technology, Lithuania)	210
9:40	O-3A3	The investigation of thin ceramic films formed using physical vapor deposition techniques M. Sriubas, K. Bockute, and G. Laukaitis (Physics Department, Kaunas University of Technology, Lithuania)	212
10:00	O-3A4	Ferroelectric core/magnetic shell approach to control electric properties of composites M. M. Sychoy ¹ , O. A. Shilova ² , E. S. Vasina ¹ , T. V. Khamova ² , P. V. Matveichikova ¹ , S. V. Diachenko ¹ , and A. I. Zhernovoy ¹ (1 St. Petersburg State Institute of Technology, Russia, 2 Institute of Silicates Chemistry, Russia)	214

Material Science and Nanotechnology 2

Chair: Prof. K. Murakami and Prof. H. Ikeda

10:30	O-3A5	Phase Transition in SnS-based Compounds by Pulsed Laser Radiation P. Onufrijevs ¹ , A. Vozny ² , V. Kosyak ^{1,2} , A. Opanasyuk ² , A. Medvids ¹ , L. Grase ³ , and G. Mezinskis ³ (1 Institute of Technical Physics, Faculty of Materials Science and Applied Chemistry, Riga Technical University, Latvia, 2 Faculty of Electronics and Informational	216
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	Technology, Sumy State University, Ukraine, 3 Institute of Silicate Materials, Faculty of Material Science and Applied Chemistry, Riga Technical University, Latvia)	
10:50 O-3A6	Surface modification of TiO₂ for dye-sensitized solar cells M. Shimomura ¹ , H. Ota ¹ , C. Yamamoto ¹ , I. Suzuki ¹ , D. M. B. P. Ariyasinghe ¹ , E. K. D. H. D. Siriwardena ¹ , and R. M. G. Rajapakse ² (1 Shizuoka University, Japan, 2 University of Peradeniya, Sri Lanka)	218
11:10 O-3A7	Photoconductivity of CdTe-based Semiconductor Solid Solutions Subjected to Laser Irradiation V. A. Gnatyuk ^{1,2} , O. I. Vlasenko ¹ , S. N. Levytskyi ¹ , and T. Aoki ² (1 V. E. Lashkaryov Institute of Semiconductor Physics of the National Academy of Sciences of Ukraine, Ukraine, 2 Research Institute of Electronics, Shizuoka University, Japan)	220

ROOM 44

Nanotechnology and automobile

Chair: Prof. R. Jablonski and Prof. K. Hara

9:00 O-3B1	Three Thresholds of ZnO Crystal Damage by Nd:YAG Laser Radiation A. Medvids ¹ , P. Onufrijevs ¹ , E. Dauksta ¹ , L. Grase ² , G. Mezinskis ² and H. Mimura ³ (1Institute of Technical Physics, Riga Technical University, Latvia, 2 Institute of Silicate Materials, Riga Technical University, Latvia, 3Research Institute of Electronics, Shizuoka University, Japan)	222
9:20 O-3B2	Identification of Double Quantum Dots in Nanowire Devices by Single-Gate Sweeps H. Inokawa ¹ and Y. Takahashi ² (1 Research Institute of Electronics, Shizuoka University, Japan, 2 Graduate School of Information Science and Technology, Hokkaido University, Japan)	224
9:40 O-3B3	Impact of dopant atoms on electron tunneling into nanoscale-transistor channels D. Moraru ¹ , A. Samanta ² , Y. Takasu ² , K. Tyszka ^{2,3} , T. Mizuno ² , R. Jablonski ³ , and M. Tabe ² (1 Faculty of Engineering, Shizuoka University, Japan, 2 Research Institute of Electronics, Shizuoka University, Japan, 3 Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Poland)	226
10:00 O-3B4	Development of evaluation system for automobile corrosion environment H. Takahashi, R. Nakada, and N. Konagai (Component Engineering Development Department, SUZUKI MOTOR CORPORATION, Japan)	228

Material Science and Technology 2

Chair: Prof. Y. Kawata and Prof. S. Matsuda

10:30 O-3B5	Refractive Index Measurement toward Integrated Optical Biosensing by Silicon-On-Insulator Photodiode with Surface Plasmon Antenna H. Satoh, S. Iwata, D. Sugiyama, A. Ono, and H. Inokawa (Research Institute of Electronics, Shizuoka University, Japan)	229
10:50 O-3B6	Theoretical understanding of the SPR sensor response on the protein adsorption O. G. Lopatynska ¹ , A. M. Lopatynskyi ² , V. I. Chegel ² , and L. V. Poperenko ¹ (1Taras Shevchenko Kyiv National University, Ukraine, 2 V.E. Lashkaryov Institute of Semiconductor Physics, National Academy of Sciences of Ukraine, Ukraine)	231
11:10 O-3B7	Novel Multiple Type Molecular Targeted and Wide Spectral Antitumor Agents: Preparation and Preclinical Evaluation of IER5/Cdc25B Targeted Low-molecular-weight Phospha Sugar Derivatives H. Hasegawa ¹ , M. Yamashita ¹ , R. Makita ¹ , M. Yamaoka ¹ , M. Fujie ² , S. Nakamura ² , T. Oshikawa ³ , J. Yamashita ¹ , M. Yamada ¹ , M. Kondo ¹ , K. Hirakawa ¹ , M. Toda ¹ , Y. Takehara ² , K. Ohnishi ² , H. Sugimura ² , S. Laurent ⁴ , and R. N. Muller ⁴ (1 Graduate School of Science and Technology, Shizuoka University, Japan, 2 Faculty of Medicine, Hamamatsu University School of Medicine, Japan, 3 Department of Chemistry and Biochemistry, Numazu National College of Technology, Japan, 4 Faculty of Medicine, University of Mons, Belgium)	233

ROOM 41

11:30 Closing Remarks