

APCOM2010 Conference Program(Tentative)

(Oral Presentation Schedule)

	Jul. 12(Mon)
Time	Schedule
09:20-11:00	Registration
11:00-11:30	Opening Ceremony
11:30-12:00	Plenary Speech National Academy Engineering of Korea
12:00-13:20	Luncheon
13:20-13:40	Invited Speech: Samsung Electronics Co.
13:40-14:00	3D Recognition in Human Brain O.N. Krokhin, T. Shimizu and T.Sasaki ² P.N. Lebedev Physical Institute of Russian Academy of Science, Russia School of Science and Engineering, Kokushikan University, Japan
	Paper Session(M-1)
14:00-14:20	Optical nonlinearity of a biological liquid nanocomposite Yu.N. Kulchin, V.P. Dzyuba, V.M. Chudnovskiy, V.A. Milichko Institute of Automation and Control Processes FEB RAS, Russia
14:20-14:40	Multichannel adaptive interferometer based on dynamic photorefractive holograms Roman V. Romashko, Michail N. Bezruk FENTU, Institute of Automation & Control Processes, Russia
14:40-15:00	TSV Gusung Kim Kangnam University, Republic of Korea
15:00-15:20	Breaktime

Asia-Pacific Conference on Fundamental Problems of Opto- and Microelectronics

	Paper Session(M-2)
15:20-15:40	<p>Characteristics of the radiation received at addition of beams with not orthogonal polarization</p> <p>P.S.Andreev , O.Y. Pikoul , G.V. Kulikova, V.I. Stroganov Department of Physics of Far East State Transport University, Russia</p>
15:40-16:00	<p>The influence of polarization of light on conoscopic patterns</p> <p>O.Y. Pikoul, G.V. Kulikova, V.I. Stroganov The Far East State Transportation University, Russia</p>
16:00-16:20	<p>Energy Focusing Effects in Microwave Heating Using Metamaterial</p> <p>Yoshio Nikawa and Takayuki Takase Kokushikan University, Japan</p>
16:20-16:40	<p>Measurement System for Temperature Dependent Complex Permittivity Using Cylindrical Cavity Resonator and Microwaves</p> <p>Kaiduo Zhao and Yoshio Nikawa Graduate School of Engineering, Kokushikan University, Japan</p>
16:40-17:00	<p>Development of Diagnostics using Semiconductor Photo-sensor Applicable on Ultra Violet Chemiluminescence</p> <p>Kishimoto Ken School of Science and Technology, Kokushikan University, Japan</p>

Asia-Pacific Conference on Fundamental Problems of Opto- and Microelectronics

Jul. 13(Tue)	
Time	Schedule
	Paper Session(T-1)
09:20-09:40	<p>An analysis of the postural sway in synchronized swimmers Tadashi Wada, Takaaki Matsumoto, Noriyuki Yamamoto, Takahito Tago, Yukinori Shintaku, Tadao Isaka Kokushikan University, Japan Japanese Red Cross Hokkaido College of Nursing, Japan Tokushima Bunri University, Japan Biwako Seikei Sport College, Japan Ritsumeikan University, Japan</p>
09:40-10:00	<p>Capability of Singular Spectrum Analysis in EEG Data Naoki Itoh, Jürgen Kurths Center for Dynamics of Complex Systems, University of Potsdam, Germany</p>
10:00-10:20	<p>Tracing Log of Daily Activities Before and After Sleeping Jintae Kim, Seondong Son, Seungho Cho and Bonghee Moon Division of Computer & Media Engineering, Kangnam University, Republic of Korea</p>
10:20-10:40	Breaktime
10:40-11:00	<p>Estimating of Ingredients Concentration by using Multispectral Imaging System Ervin Nippolainen, Laure Fauch, Serguei Miridonov, Alexei A. Kamshilin Department of Physics and Mathematics, University of Eastern Finland, Finland Optics Department, Centro de investigació Científica y de Educació Superior de Ensenada</p>
11:00-11:20	<p>Microwave Diagnosis Using Reflecting Microscope and MR Imaging Yoshio Nikawa Kokushikan University, Japan</p>
11:20-11:40	<p>Multispectral Imaging System for Fast Acquisition of Spatial Distribution of Reflectance Spectra Laure Fauch, Victor Teplov, Ervin Nippolainen, Alexei A. Kamshilin University of Eastern Finland, Finland</p>

Asia-Pacific Conference on Fundamental Problems of Opto- and Microelectronics

11:40-12:00	<p>A Simple Tissue Extraction and Reconstruction Method from Magnetic Resonance Images considering a View Point</p> <p>Kunihiko Oura, Kaoru Kouzu and Izumi Hanazaki Kokushikan University, Tokyo Denki University, Japan</p>
12:20-13:00	Lunch Time
	Paper Session(T-3)
13:00-13:20	<p>Fluorimeter with an external fiber-optic sensor</p> <p>Yuri N. Kulchin, Sergey S. Voznesenskiy, Evgeniy L. Gamayunov, Alexei A. Korotenko Institute of Automation and Control Processes, Far East Division, Russian Academy of Sciences, Russia</p>
13:20-13:40	<p>Application of waveguide holograms in optoelectronics devices</p> <p>Putilin Andrew Lebedev Physics Institute of Russian Academy of Science, Russia</p>
13:40-14:00	<p>Field Programmable Gate Array based Real-Time imaging system for Spectral-Domain Optical Coherence Tomography</p> <p>Jun Geun Shin, Changsu Lee, Eun Jung Min and Byeongha Lee Gwangju Institute of Science and Technology, University of Suwon, Republic of Korea</p>
14:00-14:20	<p>Laser Ablation of Polimers</p> <p>Irina N. Zavestovskaya P.N. Lebedev Physical Institute of Russian Academy of Science, Russia</p>
14:20-14:40	<p>Observation of fast photogalvanic current in a $\text{Bi}_{12}\text{SiO}_{20}$ crystal</p> <p>Alexei M. Bururuev, Roman V. Romashko, Alexander I. Grachev, Alexei A. Kamshilin, and Yuri N. Kulchin Institute of Automation and Control Processes, Ioffe Physico-Technical Institute, Russian Academy of Sciences, Russia Department of Physics and Mathematics, University of Eastern Finland, Finland</p>
14:40-15:00	<p>Dynamic Optical Manipulation of Micro-Objects</p> <p>Kirill Afanasiev, Alexander Korobtsov, Svetlana Kotova, Nikolay Losevsky, Vsevolod Patlan, Alexandra Mayorova, Vladimir Volostnikov, Evgeny Vorontsov Physical Institute of RAS branch, Samara, Russia</p>

Asia-Pacific Conference on Fundamental Problems of Opto- and Microelectronics

15:00-15:20	Breaktime
	Paper Session(T-4)
15:20-15:40	<p>Return interval analysis of intermittent extreme events in 2-D magnetoconvection Naoaki Bekki, Ken Kiyono and Hidetoshi Konno College of Engineering, Nihon University, Japan</p>
15:40-16:00	<p>Non-Gaussian characteristics of intermittent fluctuations Ken Kiyono and Naoaki Bekki College of Engineering, Nihon University, Japan</p>
16:00-16:20	<p>Extraction of BJT Gummel-Pool Model Parameters with BSIMPro-Plus Bing Yang, Zhengxi Li College of Information Engineering, North China University of Technology, China</p>
16:20-16:40	<p>Search for Optimum Solution for Combinatorial Optimization Problem Takuya Mori, Toshihiro Shimizu Graduate School of Engineering, Kokushikan University, Japan</p>
16:40-17:00	<p>Numerical Analysis of Aliev-panfilov Model Reo Harada, Hidetoshi Konno Department of Risk Engineering, University of Tsukuba, Japan</p>
17:00-17:20	<p>Effect of Indirect Reciprocity for Snowdrift Games Satoshi Uchida Researcher RINRI Institute, Japan</p>

Asia-Pacific Conference on Fundamental Problems of Opto- and Microelectronics

	Jul. 14(Wed)
Time	Schedule
	Paper Session(W-1)
09:20-09:40	<p>Optical fiber sensor of acoustic waves Kulchin Yu.N., Vitrik O.B., Dyshlyuk A.V., Gurbatov S.O. Institute of Automation and Control Processes, Far-Eastern Branch, Russian Academy of Science, Russia</p>
09:40-10:00	<p>Dispersion of rotatory power of absorptive gyrotropic crystals Livashvili A.I., Pikoul O.Y., Kostina G.V Far East State Transportation University, Russia</p>
10:00-10:20	<p>The conversion of broadband radiation in the nonlinear optical crystals Litvinova M. N. , Stroganov V.I., Tolstov E.V., Goncharova E.D., Garankova I.A Department of Physics, Far Easten State Transport University, Russia</p>
10:20-10:40	Breaktime
10:40-11:00	<p>Application Of Neural Networks In Fibre-Optics System Of Perimeter DefenceYury N. Kulchin, Boris S. Notkin, Alexandra Yu. Kim, Oleg T. Kamenev and Yury S. Petrov Institute of Automation and Control Processes, Far East Division, Russian Academy of Sciences, Russia</p>
11:00-11:20	<p>The variations of the nanoparticle's shape and quantum-dimensional states of the quantum dots or nanoparticles V. P. Dzyuba, I.V.Dzyuba, Yu.N. Kulchin Institute of Automation and Control Processes, Far East Division, Russian Academy of Sciences, Russia</p>
11:20-11:40	<p>Relaxation of velocity of nonequilibrium nanoparticles in a liquid Yu.N.Kulchin, O.B.Vitrik, N.P.Kraeva Institute of Automation and Control Processes, Far East Division, Russian Academy of Sciences, Russia</p>
11:40-12:00	<p>Nonlinear transmission of light by dielectric nanocomposites V.P. Dzyuba, A.E. Krasnok, J.N. Kulchin, I.V. Dzyuba Institute of Automation and Control Processes, Far East Division, Russian Academy of Sciences, Russia</p>

Asia-Pacific Conference on Fundamental Problems of Opto- and Microelectronics

12:00-13:00	Lunch Time
	Paper Session(W-2)
13:00-13:20	<p>Features of concrete constructions structural health monitoring with use of single fiber multimode interferometers</p> <p>O.B.Vitrik, A.D. Lantsov, Makarova N.V., Zhizhchenko A Institute of Automation and Control Processes, Far East Division, Russian Academy of Sciences, Russia</p>
13:20-13:40	<p>Video Analysis</p> <p>Jungho An Kangnam University, Republic of Korea</p>
13:40-14:00	<p>Planar Periodically Poled Structures Formed by E-beam on theLithiumNiobate Substrates for Waveguide Applications</p> <p>L.S. Kokhanchik , M.V. Borodin, N.I. Burimov, S.M. Shandarov, V.V. Shcherbina, A.J. Pechenkin, D.O. Anisimov, S.A. Kuznetsova, and V. V. Kozik Institute of Microelectronics Technology and High Purity Materials RAS, Russia Tomsk State University of Control Systems and Radioelectronics, Russia</p>
14:00-14:20	<p>Inspection algorithm for automobile steel wheel weight</p> <p>Choi Kyung Jin, Choi Jong Ho Kangnam University & Kyunghee University, Republic of Korea</p>
14:20-14:40	<p>Interferometric Probe for Near-Field Optical Microscopy</p> <p>Kulchin Yu. N., Vitrik O.B., Kuchmizhak A.A. Institute for Automation and Control Processes, Far East Division, Russian Academy of Sciences, Russia</p>
14:40-15:00	<p>Development of real-time simulator based on NS-2</p> <p>Lee Tae Gun, Shon Su Goo Suwon University, Republic of Korea</p>
15:00-15:20	Breaktime

Asia-Pacific Conference on Fundamental Problems of Opto- and Microelectronics

15:20-16:20	APCOM/PSR session
16:20-17:20	Closing Ceremony
18:00-20:00	Banquet

Asia-Pacific Conference on Fundamental Problems of Opto- and Microelectronics

	Jul. 15(Thu)
Time	Schedule
09:20-12:00	Korean Folk Village Tour(Yongin)
12:00-13:00	Lunch Time
13:00-19:00	Seoul Tour
19:00-21:00	Farewell Party