

Agenda

2010-05-24 Monday

- 14:00 Lunch break
- 15:00 Meeting of the Symposium Org. and Tech. Comm.

2010-05-25 Tuesday

- 09:00 Breakfast
- Opening Session - prof. Ryszard Romaniuk**
- 10:30 Introduction to IEEE-SPIE-PSP WILGA 2010 Symposium - Romaniuk Ryszard
- Faculty of Physics Warsaw University of Technology Session (part 1)**
- 10:45 Comparison of optical and X-Ray breast phantom - Piotr Sobotka
- 11:00 Degree of polarization fading of light passing through birefringent medium with optical axis variation - Piotr Makowski
- 11:15 Tunable Photonic Liquid Crystal Fibers - Łukasz Garncałek
- 11:30 Fiber loop as vibration sensor - Tomasz Poczesny
- 11:45 Hollow Core Bragg Fiber for Bio-sensing applications - Karolina Mileńko
- 12:00 Hybrid fiber optic sensor for measurements of mechanical stress - Mateusz Szelaąg
- 12:15 coffee break
- Faculty of Physics Warsaw University of Technology Session (part 2)**
- 12:30 Problem of degree of polarization for photons - Łukasz Michalik
- 12:45 Optical tomography imaging based on analysis of the Mueller matrix - Sławomir Miernicki
- 13:00 Temporal coherence of light in interferometry and polarimetry - Krzysztof Prokopczuk
- 13:15 break
- 13:30 Lunch break
- Białystok University of Technology Session - prof. Jan Dorosz**
- 14:30 Stochastic model for the description of laser light propagation in turbid medium - Łukasz Gryko
- 14:45 Spectroscopic properties of Yb³⁺/Er³⁺ - doped antimony-phosphate glasses - Jacek Żmojda
- 15:00 Phase-locking of 7-core Yb³⁺ - doped optical fibre - Marcin Kochanowicz
- 15:15 Optical transmission in I2C bus - Maciej Zajkowski
- 15:30 (filler)
- 15:45 coffee break
- First WILGA session (part 1)**
- 16:00 The selection method of the single mode telecommunication fiber to the interferometric current sensor depending on the destination - Sławomir Torbus
- 16:15 Secure real-time wireless video streaming in the aeronautical telecommunications network. - Jakub Olszyna
- 16:30 Application of an optical parametric generator to cavity enhanced experiment - Beata Rutecka
- 16:45 MEMS-based random number generator for low-power distributed measurement systems. - Jakub Olszyna
- 17:00 Optimization of the dispersion formula for Q-24 spectrograph based on OriginLab. software. - Jan Domin
- 17:15 Measurements of Poisson coefficient for the fibres using the diffraction methods. - Tomasz Więcek
- 17:30 3D Scanner Laser System - Tomasz Kuźma
- 17:45 break
- 18:00 Lunch break
- 19:00 Social events & grill

2010-05-26 Wednesday

- 09:00 Breakfast
- First WILGA session (part 2)**
- 10:00 Low-Cost and Low-Energy Transmission Units with Optical Feedback Operating at the Shannon Boundary - Anatoliy Platonov
- 10:15 FEB-based method of ENOB assessment in intelligent ADCs - Łukasz Małkiewicz
- 10:30 Phase Jitter Generator Based on VCO Circuit Dynamics - Tomasz Adamski
- 10:45 (filler)
- 11:30 coffee break
- 11:45 break
- 13:00 Lunch break

2010-05-27 Thursday

- 09:00 Breakfast
- Computational Intelligence for Complex Systems - dr inż. Jankowski Stanisław**
- 10:00 (filler)
- 11:00 coffee break
- Mechatronics Session - prof. Małgorzata Jakubowska**
- 11:15 Printed, organic electronics - a new challenge for electronic technologies - Małgorzata Jakubowska
- 11:30 Printed electronic on flexible and glass substrates. - Konrad Futera
- 11:45 Method of preparation of silver nanopowder - Mateusz Jarosz
- 12:00 Screen printed UHF antennas on flexible substrates - Kamil Janeczek
- First WILGA session (part 3)**
- 12:15 Dependable design using Programmable Logic Devices - Maciej Kwiatkowski
- 12:30 White Rabbit - Maciej Lipinski
- 12:45 Some Aspects of Acoustic Analysis for Chosen Vowels - Jacek Kołodziejcki
- 13:00 Thermal Display - Maciej Fimiarczyk
- 13:15 (filler)
- 13:30 break
- 13:45 Lunch break
- Palindromy - prof. Tadeusz Morawski**
- 14:45 (filler)
- Special Session on Health and Computer Science - prof. J. Mulawka (part 1)**

15:45 On exploration of medical database - Anna Manerowska

16:00 (filler)

IMiO Session, Warsaw University of Technology, Photonic Devices, dr inż. Michał Borecki

16:30 Vaginal sample volume frontier for fertility sensing with optical capillary use - Michał Borecki

16:45 Investigation of luminescence excited by cold emission from carbon nano-tube cathode - Mateusz Mroczkowski

17:00 Fiber laser with loop reflector - P Florczyk

17:15 Development of the automated setup for m-line spectroscopy of highly refractive planar waveguides - R Andrzejewski

17:30 Design of integrated photonic transmitter for application in FTTH systems - K Ławniczuk

17:45 Rare-earth doped nanopowders for applications in novel, polymer-based light sources - P Polis

18:00 dinner break

Astro Session - prof. Lech Mankiewicz

19:00 Pi of the Sky catalogue of the variable stars from 2006-2007 data. - Agnieszka Majczyna

19:15 Estimation of space debris detection possibility by Pi of the Sky telescopes - Mirosław Należyty

19:30 Improving photometry of the Pi of the Sky - Rafał Opiela

19:45 Analysis of Cepheids based on photometric data from the Pi of the Sky experiment - Małgorzata Siudek

20:00 Looking for confirmation of gravitational waves detection in optical band - Pi of the Sky involvement in Looc-Up project - Adam Zadrozny

20:15 Advanced CCD/CMOS Cameras for the Pi of The Sky Project and industrial applications - Grzegorz Kasprowicz

20:30 Social events & grill

2010-05-28 Friday

09:00 Breakfast

First PERG sesion (part 1)

10:00 Thermal Imaging Camera with Web Server. - Krzysztof Siewlewicz

10:15 Digital noise reduction techniques for CCD cameras - Piotr Obrosłak

10:30 Master Oscillator DOOCS Server - Piotr Więckowski

10:45 Automated deployment in an office and DC - Piotr Miedzik

11:00 Intelligent BLDC servo motor controller with optical interface. - Adrian Samociuk

11:15 Java client for CCI communication - Piotr Romanowski

11:30 coffee break

First PERG sesion (part 2)

11:45 Advances of fully differential analogue chain in CCD camera. - Piotr Sitek

12:00 Architecture of location modules for PROTEUS system elements - Radosław Darakchiev

12:15 ultra low power CMOS camera with wireless interface - Kamil Borowski

12:30 (filler)

13:00 break

13:15 Lunch break

Second PERG sesion (part 1)

14:15 Evaluation of selected GNSS modules for PROTEUS project - Bartosz Lipiński

14:30 C to VHDL Compiler - Piotr Berdychowski

14:45 coffee break

ZUIAM Session - Samer Bou Habib

15:00 Characterization of phase drifts in selected components of the XFEL accelerator synchronization system - Dominik Sikora

15:15 Fast Analog-to-Digital Converter Board for the XFEL Accelerator Control System - Samer Bou Habib

15:30 Low-noise low-drift 3.9 GHz PLL for FLASH accelerator - Mateusz Żukociński

15:45 High-resolution phase noise measurements - Igor Rutkowski

16:00 Low Phase Noise Level 2.856 GHz Synthesizer - Paweł Barmuta

16:15 coffee break

The Andrzej Soltan Institute for Nuclear Studies Sesion

16:30 Parametrized, FPGA based simulator for low level RF system in FLASH - Piotr Pucyk

16:45 Electronics development for space-based photons polarimeter POLAR. - Dominik Rybka

17:00 Multi parametric signal analyzer for radiation spectrometry - Stefan Korolczuk

17:15 Beam Based Feedback - Szewinski Jaroslaw

17:30 (filler)

18:00 dinner break

19:00 Social events & grill

2010-05-29 Saturday

09:00 Breakfast

Third PERG sesion (part 1)

09:45 Object oriented hardware modeling. - mgr inż. Paweł Drabik

10:00 Status of the RPC Muon System for the CMS experiment - Krzysztof Poźniak

10:15 Dynamic System Reconfiguration. An Overview. - Rafał Graczyk

10:30 Magic of the VHDL - Michał Lorenc

10:45 Object oriented programming in VHDL with the use of the Component Internal Interface - Agnieszka Zagożdżińska

11:00 Anomaly Detection Techniques for HTTP - Arkadiusz Kalicki

11:15 (filler)

11:30 coffee break

Third PERG sesion (part 2)

11:45 Universal Measurement Platform for Environmental Research - Wojciech Górecki

12:00 Multichannel, scalable, low latency measurement and computing platform - Grzegorz Kasprowicz

12:15 Dual port memory based architecture for DSP in FPGA - Wojciech Zabołotny

12:30 Documentation generator for source codes. - Bartłomiej Nitoń

12:45 PERG projects management system - Krzysztof Ołowski

13:00 (filler)

13:15 break

13:30 Lunch break

Fourth PERG sesion (part 1)

14:30 Multi Computing PC Card - Tomasz Janicki

14:45 (filler)

16:00 coffee break

Fourth PERG sesion (part 2) (deleted)

16:15 break

16:30 Social events

18:00 dinner break

19:00 Social events & grill

2010-05-30 Sunday

09:00 Breakfast

10:00 Social events

13:30 Lunch break

14:30 Closing Sesion