Monday, October 17, 2011

9:30   Opening Address, Director of the Institute of Physics, PAS

9:40  P. Przysłupski, Institute of Physics, Warsaw, PAS
     Proximity effect in oxide ferromagnet/superconductor heterostructures

10:10   A.A. Fraerman, Institute for Physics of Microstructures, Nizny Nowgorod, RAS
     Collective Effects in Magnetic Nanostructures

10:40  P. Kacman, Institute of Physics, Warsaw, PAS
     Structure-Dependent Ferromagnetism in Mn-Doped III–V Nanowires

11:10- 11:30   Coffee break

11:30  A.V. Dvurechenskii, Institute of Semiconductor Physics, Novosibirsk, RAS
     Dense Array of Ga/Si Quantum Dots: Physics and Application

12:00  T. Suski, Institute of High Pressure Physics, Warsaw, PAS
     Band gap bowing and anomalous pressure effects in II-V nitride alloys. Role of In-segregation

12:30  E.S. Koptev
     Detection of small photon flux in 2D array of tunnel-coupled Ga/Si quantum dots

13:00-14:30   Lunch (institute restaurant)

14:30  P.B. Sorjkin, Emanuel Institute of Biochemical Physics, Moscow, RAS
     New Derivates of Graphene (Fluorographene and Diamane Structures) - Possible Basis of Future Two-dimensional Nanoelectronics

15:00  D. Elbaum, Institute of Physics, Warsaw, PAS
     ZnO biosensing

15:30  L.A. Chernozatonskii, Emanuel Institute of Biochemical Physics, Moscow, RAS,
     Quantum Dot, Nanoribbon and Superlattice Structures Based on Graphene: Modelling, Preparations and Applications

19:00   Get Together Dinner, in the ‘Przy Trakcie” restaurant in Warsaw, Corner of Krakowskie Przedmieście and Królewska Street (Królewska 2)
Tuesday, October 18, 2011

9:30  P. Kossacki, University of Warsaw, Warsaw
Single dot spectroscopy of CdTe based self organized system

10:00  M.V. Maximov, St Petersburg Academic University, Nanotechnology Research and Education Centre, St. Petersburg, RAS
Quantum Dot Injection Lasers for Telecom Applications

10:30  M. Bugajski, Institute of Electron Technology, Warsaw
Mid-Infrared Quantum Cascade Lasers for Gas Sensing Application

11:00-11:30  Coffee break

11:30  A.A. Gorbatsevich, Lebedev Physical Institute, Moscow, RAS
“Symmetry breaking in Resonant – Tunneling heterostructures”

12:00  Ł. Kłopotowski, Institute of Physics, Warsaw, PAS
Charging Effects in Self-Assembled CdTe Quantum Dots

12:30  F.I. Zybov, St. Petersburg Academic University – Nanotechnology Research and Education Center, St. Petersburg, RAS
Simultaneous Ground- and Excited –state Lasing in Quantum Dots

13:00-14:30  Lunch (institute restaurant)

14:30  R. Buczko, Institute of Physics, Warsaw, PAS
Modeling PbTe-based low dimensional structures

15:00  Yu.V. Kopaev, Physical Institute, Moscow, RAS
Topological Insulators

15:30  W. Zawadzki, Institute of Physics, Warsaw, PAS
Zitterbewegung (trembling motion) of carriers in graphene and other systems

16:00  Closing address, H. Szymczak