

# ISAOP 2015 Scientific Program

*Tuesday, September 22, 2015*

10:00

**Opening Remark**

## **Session 1**

Chairpersons:

Alexey R. Tameev (*IPCE RAS*)

Eugene I. Mal'tsev (*IPCE RAS*)

L-1 10:10-10:40 (25+5 min)

Anatoly V. Vannikov (*IPCE RAS*)

***Photorefractive properties of polymer composites based on carbon nanotubes***

L-2 10:40-11:10 (25+5)

Toshikuni Kaino (*Tohoku University, Japan*)

***Synthesis and Characterization of High Thermal E-O Polymers***

11:10-11:35

**Coffee Break**

L-3 11:35 – 12:05 (25+5)

Jean-Michel Nunzi (*Queen's University, Canada*)

***Nonlinear Optical Photovoltaics***

L-4 12:05-12:30 (20+5)

Christoph Brabec (*Institute of Materials for Electronics and Energy Technology, Germany*)

***Organic and Hybrid Solar Cells***

12:30 – 14:30

**Lunch**

## **Session 2**

Chairpersons:

Toshikuni Kaino (*Tohoku University, Japan*)

Anatoly V. Vannikov (*IPCE RAS*)

L-5 14:30–15:00 (25+5 min)

Valery Barachevskiy (*Photochemistry Center of RAS, Russia*)

***Organic Light-Sensitive Recording Media for Two-Photon 3D Optical Memory***

L-6 15:00-15:30 (25+5)

Shuji Okada (*Yamagata University, Japan*)

***Synthesis and Properties of Chromophores with a Dihydropyrrolone Acceptor for Electro-Optic Applications***

L-7 15:30-16:00 (25+5)

Toshiki Yamada (*National Institute of Information and Communications Technology, Japan*)

***Development of Thermally Stable Side-Chain Electro-Optic Polymers with a High Hyperpolarizability Chromophore and Its Characterization Technique***

L-8 16:00-16:20 (15+5)

Alexandra A. Revina (*IPCE RAS*)

***Polymethine Dyes as Reducing Agents in the Formation of Metal Nanoparticle Ensembles in the Reverse Micellar Solutions and Polymer Matrices***

L-9 16:20-16:40 (15+5)

Olga D. Omelchenko (*IPCE RAS*)

***Stable Polymer Nanocomposition Based on Polyaniline and Graphene***

16:40-17:00

**Coffee Break**

17:00 – 18:00

**Session 3 (Poster Session)**

19:00

**Banquet**

**Wednesday, September 23, 2015**

**Session 4**

**in cooperation with the National Research Nuclear University "MEPhI"**

***Optical and Electronic Processes in Organic and Hybrid Materials***

Chairpersons:

Alexander Chistyakov (*National Research Nuclear University MEPhI*)

Jean-Michel Nunzi (*Queen's University, Canada*)

**L-10 9:45-10:15 (25+5 min)**

Pavel Samokhvalov (*Université de Reims Champagne-Ardenne, France; National Research Nuclear University MEPhI "Moscow Engineering Physics Institute", Russia*)

***Current Trends in Colloidal Nanocrystals Development for Biomedical and Advanced Photonic Applications***

**L-11 10:15-10:35 (15+5)**

Sergey Dayneko (*National Research Nuclear University MEPhI Moscow Engineering Physics Institute", Russia*)

***A New Material for White Light-Emitting Diodes Based on Organic Semiconductors and Colloidal Quantum Dots***

**L-12 10:35-10:55 (15+5)**

Vladimir Nikitenko (*National Research Nuclear University MEPhI Moscow Engineering Physics Institute", Russia*)

***I-V Characteristics of Disordered Organic Layers on the Base of Transport Level Concept***

**L-13 10:55-11:15 (15+5)**

Anna Saunina (*National Research Nuclear University MEPhI Moscow Engineering Physics Institute", Russia*)

***Mobility Of Charge Carriers In Disordered Organic Materials at Moderate Concentrations***

***11:15-11:40***

**Coffee Break**

**L-14 11:40-12:05 (20+5)**

Alexey R. Tameev (*IPCE RAS*)

***Bandgap of Low-Bandgap Polymer and Polymer:Fullerene Bulk Heterojunction***

**L-15 12:05-12:30 (20+5)**

Sergei Bronnikov (*Institute of Macromolecular Compounds of the Russian Academy of Sciences, St. Petersburg, Russia*)

***Blend of Silane Copolymer and Fullerene C<sub>70</sub> Derivative as a Material for Bulk Heterojunction Photovoltaic Cells***

**L-16 12:30-13:00(25+5)**

Bin Cai (*University of Shanghai for Science and Technology, China; Utsunomiya University, Japan*)

***Organic-Inorganic Composites for THz Device Fabrication***

***13:00 – 15:00***

**Lunch**

***15:00 - 16:00***

**Session 5 (Poster Session)**

***16:00 – 16:15***

**Closing Remark**