

ICEPOM-10 CONFERENCE TIMETABLE

Date	Time	
2 3 May		OPENING CEREMONY
	10.00	<i>M.Brodyn, P.Yasniy, I.Savchenko, O. Aksimenteva, J.V.Grazulevicius</i>
	10.50	Plenary Session 1 Electronic processes at interfaces of organic materials with metals, as well as biological, organic, and inorganic media Chairpersons: <i>Mykhailo Brodyn and Olena Aksimenteva</i>
	12.05	Coffee Break
	12.25	Plenary Session 1 (Continuation) Electronic processes at interfaces of organic materials with metals, as well as biological, organic, and inorganic media Chairpersons: <i>Mykhailo Brodyn and Olena Aksimenteva</i>
	14.00	Lunch
	15.00	Continuation of the registration
	16.30	Coffee Break
	17.00	Poster Session 1
	19.30	Dinner
	20.00	Get-together party
2 4 May	09.30	Plenary Session 2 Thin film structures and their application Chairpersons: <i>Nataliya Kutsevol and Tymish Ogulchansky</i>
	11.30	Coffee break
	12.00	Plenary Session 3 Electronic processes in nanostructures and polymer composites Chairpersons: <i>Jolanta Kovalonek and Valeriy Yashchuk</i>
	14.00	Lunch Break
	14.30	Poster Session 2
	16.00	Excursion 1
25 May	09.30	Plenary Session 4 Nonlinear properties of polymer composites, nanostructures, NLO information recording Chairpersons: <i>Oleksiy Kapitanchuk and Viviana Figà</i>
	11.40	Coffee break
	12.00	Poster Session 3
	13.00	Excursion 2
26 May	09.30	Plenary Session 5 Novel materials, structures and technologies Chairpersons: <i>Michel Rawiso and Beata Derkowska-Zielinska</i>
	11.45	Coffee break
	12.00	Plenary Session 5 (Continuation) Novel materials, structures and technologies Chairpersons: <i>Michel Rawiso and Beata Derkowska-Zielinska</i>
	14.00	Lunch break
	15.00	Poster Session 4
	20.00	Conference dinner
27 May	10.00	Plenary Session 6 Physics and technology of organic solar cells, LEDs. Chairpersons: <i>Elmar Petrov and Alexander Pud</i>
	12.00	Coffee break
	12.20	Adoption of the conference resolution
	12.50	Excursion 3

Electronic processes at interfaces of organic materials with metals, as well as biological, organic, and inorganic media

Chairpersons: Mykhailo Brodyn and Olena Aksimenteva

Time	Title of the report
10.50-11.20	Conjugated annealed polyelectrolytes in poor solvent: Interplay between π -electron delocalization and average conformation. <u>Michel Rawiso</u> , J.-M. Catala, F. Schosseler, P. Vallat, N. Kutsevol <i>Institut Charles Sadron, Strasbourg, France</i>
11.20-12.05	Unbiased photocurrent and bias-induced electroluminescence in a molecular diode. <u>Elmar Petrov</u> <i>Bogolyubov Institute of Theoretical Physics, NAS of Ukraine</i>
11.35-12.10	Light converting nanoparticles for biomedical and photonic applications. <u>Tymish Y. Ohulchansky</u> <i>Institute for Lasers, Photonics and Biophotonics, State University of New York at Buffalo, USA</i>
12.05-12.25	Coffee break
12.25-12.55	Electrochemical design of electrochromic thin films. <u>Viviana Figà</u> , Maria Pia Casaletto <i>Istituto per lo Studio dei Materiali Nanostrutturati, Italy</i>
12.55-13.15	Interaction of BN and graphene nanoparticles with biological molecules and cells. <u>Galina Dovbeshko</u> , O. Gnatyuk, O. Posudievsky, A. Ershov <i>Institute of Physics, NAS of Ukraine</i>
13.15-13.30	Antiferromagnetic ordering and pseudogap in a model of quasi-1d organic superconductor electronic subsystem. <u>Yuriy Skorenky</u> , O. Kramar <i>Ternopil Ivan Puluj National Technical University, Ukraine</i>
14.00	Lunch Break
15.00	Continuation of the registration
16.30	Coffee Break
17.00	Poster Session 1
19.30	Dinner
20.00	Get-together party

Plenary Session 2

Thin film structures and their application

Chairpersons: Nataliya Kutsevol and Tymish Ogulchansky

Time	Title of the report
9.30-10.00	Charge transport through single molecules. <u>Eric Borguet</u> <i>Temple University in Philadelphia, USA</i>
10.00-10.30	Luminescence of the telomeric fragments of the DNA macromolecule. <u>Valeriy Yashchuk</u> , V. Kudrya, I. Dubey, K. Kovalyuk, O. Batsmanova, V. Melnik, G. Klishevich <i>Taras Shevchenko National University of Kyiv, Ukraine</i>
10.30-10.45	Physico-chemical properties of three-component mixtures based on chitosan, hyaluronic acid and collagen. <u>Sylwia Grabska</u> , A. Sionkowska, K. Lewandowska <i>Nicolaus Copernicus University in Toruń, Poland</i>
10.45-11.00	Surface and thermal behavior of chitosan/poly(ethylene oxide) blends. <u>Jolanta Kowalonek</u> <i>Nicolaus Copernicus University in Toruń, Poland</i>

11.00-11.15	Electrical conductivity of polymer composites with ordered distribution of dispersed conductive phase. Yevgen Mamunya , V. Levchenko, O. Maruzhenko, E. Lebedev <i>Institute of Macromolecular Chemistry, NAS of Ukraine</i>
11.15-11.30	Regulated fluorescence in polymer-gold nanoparticles composite matrices. Vitalii Lytvyn , V. Chegel A. Lopatynskiy <i>V. Lashkaryov Institute of Semiconductor Physics, NAS of Ukraine</i>
11.30-12.00	Coffee break

Plenary Session 3

Electronic processes in nanostructures and polymer composites

Chairpersons: Jolanta Kovalonek and Valeriy Yashchuk

Time	Title of the report
12.00-12.20	Polycomplexes based unsaturated diketones and rare earth elements for optoelectronics. Irina Savchenko , O. Berezhnytska, E. Trunova <i>Taras Shevchenko National University of Kyiv, Ukraine</i>
12.20-12.40	Intense shuttle electron transfers for the system “transition metal – carbon nanotubes” during oxidation of hydrocarbons. Eldar Zeynalov , M. Magerramova, N. Salmanova <i>Institute of Catalysis & Inorganic Chemistry, NAS of Azerbaijan</i>
12.40-12.55	Modelling of the field effect in porous silicon. Mariia Alekseichyk , L. Monastyrskii, B. Sokolovskii, <i>Ivan Franro National University of Lviv, Ukraine</i>
12.55-13.10	Development of new hybrid composites based on graphite nanoplatelets with carbon nanotubes or carbon fibers to improve the electrical and thermal properties. Lyudmila Aleksandrovych , Yu. Perets, L. Matzui, L. Vovchenko, O. Yakovenko <i>Taras Shevchenko National University of Kyiv, Ukraine</i>
13.10-13.25	Dielectric and Electrodynamic Properties of Polymer Composites with Functionalized Nanocarbon. Oleksandra Lazarenko , Yu. Perets, L. Vovchenko, L. Matzui, O. Yakovenko, I. Ovsienko, V. Oliynyk, V. Launetz <i>Taras Shevchenko National University of Kyiv, Ukraine</i>
13.25-13.40	Single and double ultrashort laser pulse scattering by spheroidal metallic nanoparticles. Danylo Butenko , P. Tomchuk <i>Institute of Physics, NAS of Ukraine</i>
13.40-14.00	The pivotal effect of the doped TiO ₂ nanoparticles for enhanced conductivity of composite proton conducting membranes of fuel cell in high temperature. German Telbiz , E. Leonenko, V. Bortyshevsky, N. Romanovska, P. Manoryk <i>L.V.Pisarzhovsky Institute of Physical Chemistry, NAS of Ukraine</i>
14.00	Lunch Break
14.30	Poster Session 2
16.00	Excursion 1

Plenary Session 4

Nonlinear properties of polymer composites, nanostructures, NLO information recording

Chairpersons: Oleksiy Kapitanchuk and Viviana Figà

Time	Title of the report
9.30-10.00	Nanostructures on templates production with visible radiation. Dmytro Grynko , M. Barabash, S. Sperkach <i>V. Lashkaryov Institute of Semiconductor Physics, NAS of Ukraine</i>
10.00-	Effect of boundary conditions in the active layer on the lasing characteristics of the

10.15	CLC-laser. Igor Ilchishin , E. Tikhonov, T. Mykytiuk <i>Institute of Physics, NAS of Ukraine</i>
10.15-10.30	Experimental study of the solvent effects on second order hyperpolarizability of MPcs. Beata Derkowska-Zielinska <i>Nicolaus Copernicus University in Toruń, Poland</i>
10.30-10.45	Tailoring Nonlinear Optical Properties of π -conjugated Benzodifuran-Based Derivatives. Bohdan Kulyk , A. Kerasidou, C. Moussallem, F. Gohier, P. Frère, B. Sahraoui <i>Institute of Sciences and Molecular Technologies of Angers (MOLTECH Anjou), France</i>
10.45-11.00	Afterglow in Photonic Crystals Based on Synthetic Opal. Vitalii Boiko , G. Dovbeshko, L. Dolgov, V. Kiisk, L. Puust, I. Sildos, N. Berezetskaya <i>Institute of Physics, NAS of Ukraine</i>
11.00-11.20	Regularities of stimulated Raman scattering of dyes in a multiple scattering media. Andrii Smaliuk , V. Yashchuk, A. Sukhariev <i>Taras Shevchenko National University of Kyiv, Ukraine</i>
11.20-11.40	Nonlinear optical effects in coumarin-based copolymers Oksana Krupka , Z. Essâidi, D. Gindre, M. Sallé, B. Sahraoui <i>Taras Shevchenko National University of Kyiv, Ukraine</i>
11.40-12.00	Coffee break
12.00	Poster Session 3
13.00	Excursion 2

Plenary Session 5

Novel materials, structures and technologies

Chairpersons: Michel Rawiso and Beata Derkowska-Zielinska

Time	Title of the report
9.30-10.00	Organic bipolar semiconductors for organic light-emitting diodes. Juozas Vidas Grazulevicius , A. Bucinskas, R. Butkute, T. Deksnys, D. Gudeika, N. Kukhta, T. Matulaitis, D. Voluniuk, V. Cherpak, P. Stakhira <i>Kaunas University of Technology, Lithuania</i>
10.00-10.30	Interdependence of Structure and Properties of polyaniline containing core-shell materials. Alexander Pud , N. Ogurtsov, Yu. Noskov, S. Mikhailov, P. Coddeville <i>Institute of Bioorganic Chemistry and Petrochemistry, NAS of Ukraine</i>
10.30-10.50	Polymer embedded Au, CdS and Au-CdS nanoparticles. Synthesis, characterization and application. Nataliya Kutsevol , V. Chumachenko, A. Naumenko, M. Rawiso <i>Taras Shevchenko National University of Kyiv, Ukraine</i>
10.50-11.05	Preparation and characterization of 3D scaffolds based on silk fibroin and collagen modified with crosslinking agent. Marta Michalska , A. Sionkowska, M. Walczak <i>Nicolaus Copernicus University in Toruń, Poland</i>
11.05-11.25	Modeling of gradient composite structures for shielding of microwaves. Oleg Lozitsky , L. Vovchenko, I. Sagalianov, L. Matzui, V. Oliynyk, V. Launetz <i>Taras Shevchenko National University of Kyiv, Ukraine</i>
11.25-11.40	Theoretical modeling of adsorption of XO_4^{2-} (X = Cr, Mo, W) oxyanions on n(b)-doped single-walled carbon nanotubes and grapheme. Viktor Borysiuk , S. Nedilko, Yu. Hizhnyi <i>Taras Shevchenko National University of Kyiv, Ukraine</i>

11.40-12.00	Coffee break	
12.00-12.30	Biopolymers as components of materials for biomedical application. Beata Kaczmarek , A. Sionkowska <i>Nicolaus Copernicus University in Toruń, Poland</i>	
12.30-12.50	The effect of PVA-g-PAAm graft copolymer structure on in situ synthesis of silver nanoparticles. Tatyana Zheltonozhskaya , S. Fedorchuk, D. Klymchuk, Yu. Gomza, S. Nessin <i>Taras Shevchenko National University of Kyiv, Ukraine</i>	
12.50-13.05	Distortion of “cyanine limit” state in merocyanines derivatives of aminocoumarine. Dmytro Melnyk , A. Naumenko, V. Yashchuk, A. Gerasov, O. Kachkovsky, V. Kurdyukov, A. Tolmachev <i>Taras Shevchenko National University of Kyiv, Ukraine</i>	
13.05-13.20	Development of the efficient deep-blue organic emitters based on cyano-substituted 1,3,5-triphenylbenzene: design, synthesis and investigation of properties. Nadzeya Kukhta , J. Grazulevicius <i>Kaunas University of Technology, Lithuania</i>	
13.20-13.35	Synthesis and semiconducting properties of new bipolar carbazole and benzonitrile derivatives. Tomas Matulaitis , J. Grazulevicius, D. Volyniuk <i>Kaunas University of Technology, Lithuania</i>	
13.35-13.50	3-carbazolyl-4-phenylquinolin(on)es as new potential emitters for blue organic light emitting diodes. Roman Lytvyn , G. Bagdžiūnas, D. Vaitukaitytė, Y. Danyliv, I. Hladka, D. Volyniuk, K. Ivaniuk, N. Kostiv, J. Gražulevičius <i>Kaunas University of Technology, Lithuania</i>	
14.00	Lunch Break	
15.00	Poster Session 4	
20.00	Conference parti	

Plenary Session 6

Physics and technology of organic solar cells, LEDs.

Chairpersons: Elmar Petrov and Alexander Pud

Time	Title of the report	
10.00-10.30	Nanophysics and nanomedicine. Antiviral therapy from physical point of view. Valeri Lozovski <i>Taras Shevchenko National University of Kyiv, Ukraine</i>	
10.30-10.45	Pentacene – silicon hybrid for solar cell application. Grzegorz Wisz , Y. Gorbach, P. Smertenko, G. Olkhovik <i>University of Rzeszow, Poland</i>	
10.45-11.00	White oled based on the orange and blue exciplex emission. Marian Chapran , K. Ivaniuk, V. Cherpak, P. Stakhira, Z. Hotra, I. Helzhynskyy <i>Lviv Polytechnic National University, Ukraine</i>	
11.00-11.15	Organic light-emitting diodes based on a new phenanthroimidazole derivative. Dmytro Volyniuk , R. Butkutė, R. Lygaitis, D. Gudeika, J. Grazulevicius, V. Cherpak, P. Stakhira <i>Kaunas University of Technology, Lithuania</i>	
11.15-11.35	Integrated organic electronic device based on detector-emitter system for visualization of near-infrared radiation. Vladyslav Cherpak , G. Barylo, P. Stakhira, G. Pakhomov, G. Wiosna-Salyga, B. Luszczynska <i>Lviv Polytechnic National University, Ukraine</i>	
11.35-11.50	Perculation of the spectral properties of coenzymes NAD&NADH, Juliya Terentyeva , Olena Snitserova, Yashchuk Valerij,	

	<i>Taras Shevchenko National University of Kyiv, Ukraine</i>	
11.50 12.05	Contribution of Surface Electronic States in Conductance of Single-Crystalline Tungsten Plates. Sergii Sologub , I.V. Bodnjuk, O.V. Kanash, R.H. Amirov <i>Institute of Physics, NAS of Ukraine</i>	
12-05 12.20	Coffee break	
12.40- 13.00	Adoption of the conference resolution	
13.20	Excursion 3	