

Timetable of ACNS'21 conference

	GMT+3	Session ID		Slack link
Monday, June 28	11.00-11.15	I-00	Opening	
	GRAPHENE & RELATED MATERIALS			
	11.15-12.15		1-1 Online session: Graphene & Related Materials	
		O1-1-01	Chernysheva Maria (<i>Lomonosov Moscow State University</i>): Structural peculiarities of lysozyme-graphene oxide adsorption complexes	https://acns2021-ioffe.slack.com/archives/C024NDM77V0
		O1-1-02	Chichkan Aleksandra (<i>Boreskov Institute of Catalysis, SB of the RAS</i>): Nitrogen-doped graphene with high specific surface area	https://acns2021-ioffe.slack.com/archives/C02512N8SCR
		O1-1-03	Danilov Egor (<i>JSC "Scientific Research Institute of Graphite-Based Structural Materials "NIIGrafit"</i>): Synergetic effect in graphene/silver nanowire composite suspensions electrical conductivity	https://acns2021-ioffe.slack.com/archives/C024FLGF1UN
		O1-1-04	Gurianov Konstantin (<i>Lomonosov Moscow State University</i>): Investigation of alcohols transport through graphene oxide membranes	https://acns2021-ioffe.slack.com/archives/C02512UDZEV
		O1-1-05	Kalashnikova Ekaterina (<i>Saint-Petersburg State Institute of Technology</i>): Thermal conductivity and heat capacity of nanofluid based on water modified by hybrid material of composition detonation nanodiamonds-carbon nanotubes	https://acns2021-ioffe.slack.com/archives/C024NE3PNSE
		O1-1-06	Klimenko Inna (<i>Emanuel Institute of Biochemical Physics, RAS</i>): Hybrid structures based on oxygen-free graphene and aluminum phthalocyanine chloride	https://acns2021-ioffe.slack.com/archives/C0247LZDA5D
		O1-1-07	Okotrub Alexander (<i>Nikolaev Institute of Inorganic Chemistry, SB of the RAS</i>): Effect of iron and nickel metal films on graphitization of the diamond surface during high-temperature annealing	https://acns2021-ioffe.slack.com/archives/C024NE9A49G
		O1-1-08	Safargaliev Ruslan (<i>University of Tyumen</i>): Formation of fractal filaments under the influence of thermocapillary waves at the hydrocarbon-nanofluid interface	https://acns2021-ioffe.slack.com/archives/C025C8JAT9N
		O1-1-09	Struchkov Nikolai (<i>National Research University of Electronic Technology (MIET)</i>): Sensor set based on spray coated carbon nanomaterials for selective detection of ammonia and hydrogen sulfide	https://acns2021-ioffe.slack.com/archives/C024UKA9YDA

12.15-13.15		1-2 Online session: Graphene & Related Materials	
	O1-2-01	Baryshnikov Kirill (<i>Ioffe Institute</i>): Superlattice and nonlinear screening problem in graphene	https://acns2021-ioffe.slack.com/archives/C024FM1NK62
	O1-2-02	Kidalov Sergey (<i>Ioffe Institute</i>): New way of synthesis of few-layer graphene (FLG) by the self-propagating high-temperature synthesis (SHS) method from biopolymers	https://acns2021-ioffe.slack.com/archives/C024UKFN0MA
	O1-2-03	Komarov Ivan (<i>National Research University of Electronic Technology (MIET)</i>): AFM investigation of polygonal wrinkles on thin UV-irradiated graphene oxide films for biosensor applications	https://acns2021-ioffe.slack.com/archives/C024FM684KG
	O1-2-04	Kvitsinskiy Anatoly (<i>ITMO University</i>): Polarization-resolved terahertz spectroscopy of graphene-based films	https://acns2021-ioffe.slack.com/archives/C024NM3M55H
	O1-2-05	Sadilov Ilia (<i>Lomonosov Moscow State University</i>): Light-responsive membranes based on graphene oxide modified by azo-group molecules	https://acns2021-ioffe.slack.com/archives/C024NEWH7MY
	O1-2-06	Smirnova Valeria (<i>Saint-Petersburg State Institute of Technology</i>): Mechanical and thermophysical properties of polymer composites with few-layer graphene obtained by laser stereolithography 3D printing	https://acns2021-ioffe.slack.com/archives/C024FMH6SLE
	O1-2-07	Rukhov Artem (<i>Tambov State Technical University</i>): Features of the effect of graphene nanoplates on the properties of grease lubricants	https://acns2021-ioffe.slack.com/archives/C024KCU7D3P
	O1-2-08	Vozniakovskii Aleksei (<i>Ioffe Institute</i>): Low-threshold field electronic emission from two-dimensional carbon structures	https://acns2021-ioffe.slack.com/archives/C024FMNRG3G
	O1-2-09	Voznyakovskii Alexandr (<i>Lebedev Institute for Synthetic Rubber</i>): Determination of Stone-Wales Structural defects in 1D and 2D nanocarbons	https://acns2021-ioffe.slack.com/archives/C024KCZCZ7F
13.15-14.00		Lunch time	
14.00-15.00		1-3 Online session: Graphene & Related Materials	
	O1-3-01	Evlashin Stanislav (<i>Skolkovo Institute of Science and Technology</i>): Role of heteroatoms and defects on the obtained electrochemical characteristics of carbon materials	https://acns2021-ioffe.slack.com/archives/C024UL7CUMA
	O1-3-02	Kalashnikova Ekaterina (<i>Saint-Petersburg State Institute of Technology</i>): Thermal properties of water-based nanofluids modified with few-layer graphene	https://acns2021-ioffe.slack.com/archives/C024ULA54KE
	O1-3-03	Komarov Ivan (<i>National Research University of Electronic Technology (MIET)</i>): Spin-coating deposition of graphene oxide from mixed water-organic solutions	https://acns2021-ioffe.slack.com/archives/C024FN1JT0E
	O1-3-04	Niftalieva Valeria (<i>Southern Federal University, Institute of</i>	https://acns2021-

		<i>Nanotechnologies, Electronics and Equipment Engineering</i>): Nanoscale structures formed on SiC substrates for field emission devices	ioffe.slack.com/archives/C0247NCPC7R
	O1-3-05	Pavlov Sergey (<i>Skolkovo Institute of Science and Technology</i>): Influence of defects in graphene on the non-adiabatic electron transfer kinetics	https://acns2021-ioffe.slack.com/archives/C0247NF9ZL7
	O1-3-06	Podlozhnuyk Nikita (<i>Saint-Petersburg State Institute of Technology</i>): Hardness and thermal conductivity of a composite based on aluminum modified with a hybrid material detonation nanodiamond/few-layer graphene	https://acns2021-ioffe.slack.com/archives/C024NN1G6F5
	O1-3-07	Rabchinskii Maxim (<i>Ioffe Institute</i>): On the relationship between chemistry, optical properties and electronic structure of graphene derivatives: revisiting the puzzling complexity	https://acns2021-ioffe.slack.com/archives/C02514N22E5
	O1-3-08	Soltamov Victor (<i>Kazan Federal University</i>): Creation of optically addressable spin-triplet defects in hexagonal Boron Nitride by electron irradiation	https://acns2021-ioffe.slack.com/archives/C025CA3S80G
	O1-3-09	Yankova Tatiana (<i>Lomonosov Moscow State University</i>): Spin probing of graphene oxide by 4-aminoTEMPO	https://acns2021-ioffe.slack.com/archives/C025CA60N0Y
15.00-16.00		1-4 Online session: Graphene & Related Materials	
	O1-4-01	Bokai Kirill (<i>Saint-Petersburg University</i>): Highly ordered and polycrystalline graphene/Co interfaces intercalated by oxygen	https://acns2021-ioffe.slack.com/archives/C024KE2KBB7
	O1-4-02	Butko Alexey (<i>Ioffe Institute</i>): Interfacial phenomena in electrical transport in graphene/molecular ions hybrid nanostructures	https://acns2021-ioffe.slack.com/archives/C024FNWH19C
	O1-4-03	Gudkov Maksim (<i>N.N. Semenov Federal Research Center for Chemical Physics, RAS</i>): Processes of low-temperature functional restructuring and gas evolution of the GO from room temperature to 90 °C	https://acns2021-ioffe.slack.com/archives/C024NGEFAD8
	O1-4-04	Morozova Yulia (<i>Southern Federal University, Institute of Nanotechnologies, Electronics and Equipment Engineering</i>): Application for gas sensing graphene	https://acns2021-ioffe.slack.com/archives/C0247PBP5FZ
	O1-4-05	Nechaev Yury (<i>Bardin Institute for Ferrous Metallurgy</i>): Methodology and results of studying the states of hydrogen in graphene structures	https://acns2021-ioffe.slack.com/archives/C024UMHEZRA
	O1-4-06	Novikau U. (<i>Scientific-Practical Materials Research Center of NAS of Belarus</i>): Graphene-like carbon functionalization	https://acns2021-ioffe.slack.com/archives/C0247PH1D9V
	O1-4-07	Ryzhkov Sergei (<i>Ioffe Institute</i>): Aminated graphene: From synthesis to applications	https://acns2021-ioffe.slack.com/archives/C0247PMR371
	O1-4-08	Saveliev Sviatoslav (<i>Ioffe Institute</i>): On the synthesis of carboxylated graphene derivative and its application as a transducer in aptasensors	https://acns2021-ioffe.slack.com/archives/C024KEPFCFP

	O1-4-09	Trofimuk Andrey (<i>Ioffe Institute</i>): Specific surface area studying of reduced graphene oxide - detonation nanodiamond compounds	https://acns2021-ioffe.slack.com/archives/C024FPJ3KUN
16.00-16.15		Break	
16.15-17.15		1-5 Online session: Graphene & Related Materials	
	O1-5-01	Belenkov Maxim (<i>Chelyabinsk State University</i>): Computer simulation of the three-dimensional structure of fluorinated graphene crystals	https://acns2021-ioffe.slack.com/archives/C025CBBBTB2
	O1-5-02	Colin Marie (<i>Institut de Chimie de Clermont-Ferrand</i>): The first free-standing transparent fluorinated graphene film	https://acns2021-ioffe.slack.com/archives/C024FPRDGJ2
	O1-5-03	Korobov Mikhail (<i>Lomonosov Moscow State University, Department of Chemistry</i>): Sorption of polar liquids by GO powders and membranes	https://acns2021-ioffe.slack.com/archives/C0247Q2D9FZ
	O1-5-04	Kulvelis Yuri (<i>Petersburg Nuclear Physics Institute named by B.P. Konstantinov of NRC "Kurchatov Institute"</i>): Structure of graphene oxide aerogels	https://acns2021-ioffe.slack.com/archives/C024FPWK8SJ
	O1-5-05	Potapov Denis (<i>Moscow Institute of Physics and Technology (National Research University)</i>): Mechanisms of graphene oxide reduction under ultrafast laser irradiation: insights from reactive molecular dynamics	https://acns2021-ioffe.slack.com/archives/C024FPYNUF8
	O1-5-06	Rabchinskii Maxim (<i>Ioffe Institute</i>): Graphene chemical derivatives as gas sensing layers: From the synthesis to the theory behind	https://acns2021-ioffe.slack.com/archives/C02516C5KC1
	O1-5-07	Seliverstova Evgeniya (<i>Buketov Karaganda University</i>): Long-lived luminescence and transient absorption of graphene oxide quantum dots, prepared by laser ablation	https://acns2021-ioffe.slack.com/archives/C024NPXAT99
	O1-5-08	Usol'tseva Nadezhda (<i>Ivanovo State University</i>): Influence of different types of low-layer graphite fragments on tribological and rheological properties of plastic lubricants	https://acns2021-ioffe.slack.com/archives/C024UNKT60L
	O1-5-09	Voznyakovskii Alexandr (<i>Lebedev Institute for Synthetic Rubber</i>): Photovoltaic 2d graphene structures for safe explosion	https://acns2021-ioffe.slack.com/archives/C0247QMF6RM
17.15-18.15		1-6 Online session: Graphene & Related Materials	
	O1-6-01	Abramenko Nikita (<i>ITMO University</i>): Structure and properties of pseudo-graphene	https://acns2021-ioffe.slack.com/archives/C024NQACSBV
	O1-6-02	Bugrov Alexander (<i>Institute of Macromolecular Compounds, RAS; Saint-Petersburg Electrotechnical University</i>): Composite materials based on reduced graphene oxide and their magnetic properties	https://acns2021-ioffe.slack.com/archives/C024UPB8892

Monday, June 28		O1-6-03	Chernova Ekaterina (<i>Lomonosov Moscow State University</i>): Graphene oxide membranes: tuning the microstructure for gas dehumidification	https://acns2021-ioffe.slack.com/archives/C02517BNXBK
		O1-6-04	Chumakova Natalia (<i>N.N. Semenov Federal Research Center for Chemical Physics, RAS</i>): Spin probe method for investigation of graphite oxide materials - possibilities and perspectives	https://acns2021-ioffe.slack.com/archives/C024NQXR53M
		O1-6-05	Gudkov Maksim (<i>N.N. Semenov Federal Research Center for Chemical Physics, RAS</i>): An approach to the preparation of aerogels with ultra-high molecular weight polymers using the rGO template on the example of UHMWPE	https://acns2021-ioffe.slack.com/archives/C024NJR0EDQ
		O1-6-06	Novikau U. (<i>Scientific-Practical Materials Research Center of NAS of Belarus</i>): Graphene-like carbon additive to negative electrodes of lead-acid battery	https://acns2021-ioffe.slack.com/archives/C024NR4K9KM
		O1-6-07	Ryzhkov Sergei (<i>Ioffe Institute</i>): Guiding the chemistry of GO via the use of $\text{KMnO}_4/\text{K}_2\text{Cr}_2\text{O}_7$ oxidizing agents	https://acns2021-ioffe.slack.com/archives/C025CD3QMLY
		O1-6-08	Saveliev Sviatoslav (<i>Ioffe Institute</i>): Unveiling graphene N-doping upon Hummers oxidation and its effect on electrical properties	https://acns2021-ioffe.slack.com/archives/C0247RU1623
		O1-6-09	Shnitov Vladimir (<i>Ioffe Institute</i>): Valence Band Electron Structure of Graphene Derivatives: Study by XPS measurements and DFT modeling	https://acns2021-ioffe.slack.com/archives/C024FRMPTT8
	18.15-19.15	I-01	Plenary lecture Dieter M. Gruen (<i>Argonne Distinguished Fellow, USA</i>): Solar cells based on graphene's quantum electrodynamic properties	https://acns2021-ioffe.slack.com/archives/C024FRQHCB0
Tuesday, June 29	CARBON NANOSTRUCTURES			
	11.00-11.45	I-02	Invited lecture Chris Ewels (<i>CNRS / University of Nantes, France</i>): Forming the Void: Folding, Twisting and Collapsing Carbon	https://acns2021-ioffe.slack.com/archives/C024KJWA1UM
	11.45-12.45		2-1 Online session: Carbon Nanostructures	
		O2-1-01	Digurova Anna (<i>Moscow Institute of Physics and Technology (National Research University)</i>): Complexes "boron+vacancy" on the hydrogenated C(100)-(2×1) diamond surface	https://acns2021-ioffe.slack.com/archives/C02519ZD0G1

O2-1-02	Fedoseeva Yuliya (<i>Nikolaev Institute of Inorganic Chemistry, SB of the RAS</i>): Synthesis and chemical activation of porous nitrogen-doped carbon materials for sodium-ion batteries	https://acns2021-ioffe.slack.com/archives/C024FU5NQ2J
O2-1-03	Jalolov Faridun (<i>Skolkovo Institute of Science and Technology</i>): The mechanical properties of diamond nanopolycrystals by machine learning interatomic potentials	https://acns2021-ioffe.slack.com/archives/C0247UH4E4X
O2-1-04	Oliva Gonzalez Cesar Maximo (<i>Universidad Autónoma de Nuevo León</i>): Synthesis of hydrophobic carbon sponges from MOF type HKUST and melamine-formaldehyde sponges for the absorption of oil dispersed in water	https://acns2021-ioffe.slack.com/archives/C024KKJUZ1T
O2-1-05	Laptinskiy Kirill (<i>Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University</i>): Vibrational spectroscopy of carbon nanoparticles interactions with biomacromolecules	https://acns2021-ioffe.slack.com/archives/C024FUD8J8N
O2-1-06	Popov Valery (<i>Ioffe Institute</i>): Magnetic properties of birch biocarbon	https://acns2021-ioffe.slack.com/archives/C024NMXFLE6
O2-1-07	Rodin Evgeniy (<i>National Research Mordovia State University</i>): Evaluation of the in-plane electronic conjugation in carbon nanobelts	https://acns2021-ioffe.slack.com/archives/C025CG6C3JL
O2-1-08	Ibrayev N. (<i>Buketov Karaganda University</i>): Optical properties of N- and S-doped carbon quantum dots	https://acns2021-ioffe.slack.com/archives/C025CG96996
O2-1-09	Shlyakhova Elena (<i>Nikolaev Institute of Inorganic Chemistry, SB of the RAS</i>): Effect of metal dopant in structure and supercapacitor property of templated-assisted porous nitrogen carbon	https://acns2021-ioffe.slack.com/archives/C0247UXQAUF
O2-1-10	Stolyarova Svetlana (<i>Nikolaev Institute of Inorganic Chemistry, SB of the RAS</i>): Brominated porous carbon materials for sodium-ion batteries	https://acns2021-ioffe.slack.com/archives/C024NUHEEFM
12.45-13.00	Break	
13.00-14.00	2-2 Online session: Carbon Nanostructures	
O2-2-01	Belenkov Evgeny (<i>Chelyabinsk State University</i>): Ab initio calculations of layered compounds consisting of sp ³ or sp+sp ² hybridized carbon atoms	https://acns2021-ioffe.slack.com/archives/C0247V38MV5
O2-2-02	Dyachkova Tatyana (<i>Tambov State Technical University</i>): Features of carbon nanostructures modification by stearic acid	https://acns2021-ioffe.slack.com/archives/C0247V5R7GF
O2-2-03	Cedeno Morales Eder (<i>Universidad Autónoma de Nuevo León</i>): Gold decorated MOF-derived CuO, ZnO and NiO for CO ₂ photoreduction	https://acns2021-ioffe.slack.com/archives/C024NNGNZFC
O2-2-04	Klimenko Inna (<i>Emanuel Institute of Biochemical Physics, RAS</i>): Morphology of graphene obtained in DMF and DMF-aqua media	https://acns2021-ioffe.slack.com/archives/C0247VC3423
O2-2-05	Laptinskiy Kirill (<i>Skobeltsyn Institute of Nuclear Physics, Lomonosov</i>	https://acns2021-

Tuesday, June 29			<i>Moscow State University</i>): Heavy metal nanosensor based on fluorescent carbon dots	ioffe.slack.com/archives/C024FV5MS1L
		O2-2-06	Nelson Dmitrii (<i>Ioffe Institute</i>): Properties of carbon dot luminophores studied by polarized luminescence experiments	https://acns2021-ioffe.slack.com/archives/C024KLH4U6R
		O2-2-07	Orlova Tatiana (<i>Ioffe Institute</i>): Structural characterization and magnetic behavior of nickel nanoparticles encapsulated in monolithic wood-derived porous carbon	https://acns2021-ioffe.slack.com/archives/C0251BM7TPB
		O2-2-08	Popov Valery (<i>Ioffe Institute</i>): Magnetic properties of polymerized exfoliated graphite	https://acns2021-ioffe.slack.com/archives/C024NNX7T7C
		O2-2-09	Rodin Evgeniy (<i>National Research Mordovia State University</i>): Influence of the p-electrons concentration in carbon nanobelts on their emission properties	https://acns2021-ioffe.slack.com/archives/C0251BUBU7K
		O2-2-10	Vervald Alexey (<i>Lomonosov Moscow State University</i>): Difference between oxygen-containing groups on sp ² and sp ³ carbons: deprotonation	https://acns2021-ioffe.slack.com/archives/C024NP426CA
	14.00-14.45	I-03	Invited lecture Raul Arenal (<i>Universidad de Zaragoza, Spain</i>): Structural and chemical analyses at the atomic scale of carbon nanomaterials	https://acns2021-ioffe.slack.com/archives/C024P02GUH1
	14.45-15.30	Lunch time		
	15.30-16.30		2-3 Online session: Carbon Nanostructures	
		O2-3-01	Arutyunyan Nataliya (<i>Prokhorov General Physics Institute (GPI), RAS</i>): High-temperature synthesis of linear carbon chains confined in carbon nanotubes	https://acns2021-ioffe.slack.com/archives/C024KMKFZV3
		O2-3-02	Belenkov Maxim (<i>Chelyabinsk State University</i>): Modeling the structure and interlayer interactions of twisted bilayer graphene	https://acns2021-ioffe.slack.com/archives/C024G0ZK56J
		O2-3-03	Chernogorova Olga (A.A. Baikov Institute of Metallurgy and Materials Science, RAS): Tribological properties of carbon-containing composite materials prepared by high-pressure high-temperature synthesis	https://acns2021-ioffe.slack.com/archives/C024NPX9WNN
		O2-3-04	Fazlitdinova Alfiya (<i>Chelyabinsk State University</i>): Structural transformations of graphite during dispersion	https://acns2021-ioffe.slack.com/archives/C024NPZJG82
		O2-3-05	Moshnikov Igor (<i>Institute of Geology of the Karelian Research Centre of the RAS</i>): Electrical conductivity of carbon films obtained by thermal sputtering of shungite	https://acns2021-ioffe.slack.com/archives/C024UUXKKHA
		O2-3-06	Petrova Olga (<i>Institute of Physics and Mathematics, Komi SC, UrD of the RAS</i>): Characterization of new functional materials based on graphitized	https://acns2021-ioffe.slack.com/archives/C0251CX04PK

		bath sponge scaffold	
	O2-3-07	Rodionova Evgenya (<i>National Research Mordovia State University</i>): Emission properties of $C_x(BN)_y$ nanobelts	https://acns2021-ioffe.slack.com/archives/C024G1AFMTQ
	O2-3-08	Semavin Kirill (<i>Lomonosov Moscow State University, Chemistry Department</i>): The evaporation study of 1-Ethyl-3-methylimidazolium chloride	https://acns2021-ioffe.slack.com/archives/C024G1DAK7Y
	O2-3-09	Tchougreeff Andrei (<i>Frumkin Institute of Physical chemistry and Electrochemistry (IPCE), RAS</i>): Deductive molecular mechanics of carbon materials	https://acns2021-ioffe.slack.com/archives/C024NQB6U10
	O2-3-10	Ushakova Elena (<i>ITMO University</i>): Chiral carbon dots synthesized via room temperature surface modification and one-pot carbonization	https://acns2021-ioffe.slack.com/archives/C024P194NNP
	O2-3-11	Yakovleva Valentina (<i>Ioffe Institute</i>): Distribution of nitrogen-vacancy NV ⁻ centers in cubic diamond crystals revealed by ODMR and PL tomography	https://acns2021-ioffe.slack.com/archives/C024KN8JVB7
16.30-17.15	I-04	Invited lecture Tomanek David (<i>Michigan State University, USA</i>): Water! Water!	https://acns2021-ioffe.slack.com/archives/C024V00B9AQ
CARBON NANOTUBES			
17.15-18.15		2-4 Online session: Carbon Nanotubes	
	O2-4-01	Dyachkova Tatyana (<i>Tambov State Technical University</i>): Novel methods of carbon nanotubes suspensions stabilizing	https://acns2021-ioffe.slack.com/archives/C024P25976X
	O2-4-02	Gnedova Elizaveta (<i>Moscow Institute of Physics and Technology (National Research University)</i>): Thermogravimetry study of selected surfactants annealing from single-wall carbon nanotube films	https://acns2021-ioffe.slack.com/archives/C024NRBNWUS
	O2-4-03	Ichkitidze Levan (<i>National Research University of Electronic Technology (MIET)</i>): Bend sensor based on biocompatible composite nanomaterials	https://acns2021-ioffe.slack.com/archives/C024G2JLBN2
	O2-4-04	Ivanov Pavel (<i>South Ural State University (National Research University)</i>): Electronic structure of a metal-decorated carbon nanotube (8,0): first-principles modelling	https://acns2021-ioffe.slack.com/archives/C025CKP7Z7S
	O2-4-05	Kotsun Alena (<i>Nikolaev Institute of Inorganic Chemistry, SB of the RAS</i>): Single-walled carbon nanotube additive for improvement of lithium-ion	https://acns2021-ioffe.slack.com/archives/C024V126S20

		storage performance of nanostructured MoS ₂	
	O2-4-06	Kulakov Roman (<i>Northern (Arctic) Federal University</i>): Improving the frost resistance of concrete reinforced with carbon nanotubes	https://acns2021-ioffe.slack.com/archives/C024G2T8EK0
	O2-4-07	Latypov Ruslan (<i>South Ural State University (National Research University)</i>): Current-voltage characteristics of a carbon nanotube (6,6): first principle calculations	https://acns2021-ioffe.slack.com/archives/C024KPHJUAZ
	O2-4-08	Khamidullin Timur (<i>Kazan Federal University</i>): Simple and cost-efficient method for sorting single-wall carbon nanotubes with modified cotton	https://acns2021-ioffe.slack.com/archives/C0251EM0LV7
	O2-4-09	Osotova Olga (<i>Southern Federal University</i>): Influence of defectiveness of carbon nanotubes on their piezoelectric response	https://acns2021-ioffe.slack.com/archives/C025CL7GY4Q
	O2-4-10	Ryzhkov Ilya (<i>Institute of Computational Modelling, SB of the RAS</i>): Experimental and theoretical study of carbon nanotube growth inside porous anodic alumina membranes	https://acns2021-ioffe.slack.com/archives/C024V1KAVGC
	O2-4-11	Vorfolomeeva Anna (<i>Nikolaev Institute of Inorganic Chemistry, SB of the RAS</i>): Electrochemical properties of phosphorus-filled single-walled carbon nanotubes	https://acns2021-ioffe.slack.com/archives/C024KPXSQV
	18.15-18.30	Break	
	18.30-19.30	2-5 Online session: Carbon Nanotubes	
	O2-5-01	Manohar Rajiv (<i>University of Lucknow</i>): Ion trapping effect and enhancement of orientational order parameter in nematic liquid crystals dispersed with a dilute amount of carbon nanotube	https://acns2021-ioffe.slack.com/archives/C024P33QQMR
	O2-5-02	Elbakyan Lusine (<i>Volgograd State University</i>): Strengthening of polymeric materials based on polypropylene by doping with carbon nanotubes	https://acns2021-ioffe.slack.com/archives/C0251F3B48Z
	O2-5-03	Gaidamavichute Viktoriya (<i>Frumkin Institute of Physical chemistry and Electrochemistry (IPCE), RAS</i>): Simulation of supramolecular microporous structures on the basis of carbon nanotubes and toluene coordinator molecules	https://acns2021-ioffe.slack.com/archives/C024V1U804C
	O2-5-04	Khantimerov S. (<i>Zavoisky Physical-Technical Institute, FRC Kazan Scientific Center of the RAS</i>): Electrical properties of low-doped carbon nanotubes/epoxy resin composite material hardened in an electric field	https://acns2021-ioffe.slack.com/archives/C024KQ7HMB7
	O2-5-05	Il'in Oleg (<i>Southern Federal University</i>): Effect of the growth temperature on parameters of vertically aligned carbon nanotubes	https://acns2021-ioffe.slack.com/archives/C025CLQGCAU
	O2-5-06	Il'ina Marina (<i>Southern Federal University</i>): Vertically aligned carbon nanotubes for piezoelectric nanogenerator	https://acns2021-ioffe.slack.com/archives/C024G3QN2FQ

Tuesday, June 29		O2-5-07	Mozhayko Anna (<i>Peter the Great St. Petersburg Polytechnic University</i>): Aluminum Based Composite Materials with Carbon Nanofibers Obtained by Hot Extrusion and Rolling	https://acns2021-ioffe.slack.com/archives/C024KQEUFKP
		O2-5-08	Nechaev Yury (<i>Bardin Institute for Ferrous Metallurgy</i>): On the “intercalation” of 7 wt.% hydrogen into graphite nanofibers	https://acns2021-ioffe.slack.com/archives/C0251FHVCAV
		O2-5-09	Polozkov Roman (<i>ITMO University</i>): Ab-initio study of electronic properties of 2D and 3D regular arrays of carbon nanotubes	https://acns2021-ioffe.slack.com/archives/C024V28HFLL
		O2-5-10	Sozykin Sergey (<i>South Ural State University (National Research University)</i>): Li-decorated carbon nanotubes: charge analysis	https://acns2021-ioffe.slack.com/archives/C024P3QPZMZ
		O2-5-11	Vilkov Ilya (<i>Razuvaev Institute of Organometallic Chemistry (IMOS), RAS</i>): Hybrid nanomaterial TiC/MWCNTs: synthesis, application as strengthening components in aluminum alloys	https://acns2021-ioffe.slack.com/archives/C024P3SC5JP
	19.30-20.15	I-05	Invited lecture Yakobson Boris (<i>Rice University, USA</i>): 1D-carbon nanotubes and 2D-layers synthesis, insights from thermodynamics to kinetics	https://acns2021-ioffe.slack.com/archives/C02484C97GF
Wednesday, June 30	THE 7TH ONE-DAY CONFERENCE-SCHOOL OF YOUNG SCIENTISTS “ADVANCED CARBON NANOSTRUCTURES AND METHODS OF THEIR DIAGNOSTICS”			
	11.00-11.15	I-00	Opening	
	11.15-12.00	I-06	Invited lecture Viktor Vins (<i>LLC VELMAN, Russia</i>): Engineering of atomic defects in the crystal structure of diamond	https://acns2021-ioffe.slack.com/archives/C025BP5CA1W
	12.00-13.00		3-1 Online session: Reports of young scientists	
		Y3-1-01	Alekseev Dmitriy (<i>Institute of Solid State Chemistry and Mechanochemistry, SB of the RAS</i>): The use of nanodiamonds in solid composite electrolytes	https://acns2021-ioffe.slack.com/archives/C025BPHHQV6
		Y3-1-02	Kotsun Alena (<i>Nikolaev Institute of Inorganic Chemistry, SB of the RAS</i>): Nanostructures VS _x /reduced graphene oxide materials for energy storage applications	https://acns2021-ioffe.slack.com/archives/C024N6GJ4V9
		Y3-1-03	Nishchakova Alina (<i>Nikolaev Institute of Inorganic Chemistry, SB of the</i>	https://acns2021-

Wednesday, June 30			<i>RAS</i>): Synthesis, functionalization and electrochemical properties of N-free and N-doped porous carbon materials	ioffe.slack.com/archives/C024N6MTF2P
		Y3-1-04	Rezvanova Anastasiya (<i>Institute of Strength Physics and Materials Science, SB of the RAS</i>): Influence of additives of multi-walled carbon nanotubes on the porosity and macrostresses in the composite «hydroxyapatite - MWCNTs»	https://acns2021-ioffe.slack.com/archives/C024N6PB4H1
		Y3-1-05	Semenukha Oksana (<i>Reshetnev Siberian State University of Science and Technology</i>): Organosilicon polymer compositions based on carbon nanotubes in tensoresistive applications	https://acns2021-ioffe.slack.com/archives/C025BQ1GJ8G
		Y3-1-06	Vorfolomeeva Anna (<i>Nikolaev Institute of Inorganic Chemistry, SB of the RAS</i>): Influence of the synthesis temperature on electrochemical properties of porous nitrogen-containing carbon in sodium-ion batteries	https://acns2021-ioffe.slack.com/archives/C02477AJVF1
	13.00-13.45	I-07	Invited lecture Valerii Dolmatov (<i>Federal State Unitary Enterprise "Special Design and Technological Bureau "Technolog", Russia</i>): Theory and practice of detonation synthesis of nanodiamond, its properties and application	https://acns2021-ioffe.slack.com/archives/C025BQD3LHW
	13.45-14.00	Break		
	14.00-14.45	I-08	Invited lecture Sergey Lermontov (<i>Institute of Physiologically Active Compounds, RAS, Russia</i>): Carbon Aerogels - Synthesis, Properties, Application	https://acns2021-ioffe.slack.com/archives/C024N745XFV
	14.45-15.30	Lunch time		
	15.30-16.15	I-09	Invited lecture Egor Lychagin (<i>Joint Institute for Nuclear Research, Russia</i>): Neutron activation analysis for diagnostics of advanced carbon nanomaterials	https://acns2021-ioffe.slack.com/archives/C024N75NQ2F
	16.15-17.15		3-2 Online session: Reports of young scientists	
		Y3-2-01	Chizhikova Anastasiia (<i>Ioffe Institute</i>): Synthesis of a suspension of detonation nanodiamonds modified with nickel ions	https://acns2021-ioffe.slack.com/archives/C024F7GEQ0N
		Y3-2-02	Popov Dmitry (<i>Lomonosov Moscow State University</i>): Phase transition in the system “BGO - CH ₃ CN” - dependence on characteristics of the material	https://acns2021-ioffe.slack.com/archives/C024N110MT4
		Y3-2-03	Shiyanova Kseniya (<i>N.N. Semenov Federal Research Center for Chemical</i>	https://acns2021-

Wednesday, June 30			<i>Physics, RAS</i>): Adjustment of the functional composition of graphene oxide at the synthesis stage	ioffe.slack.com/archives/C024JU8GW4V
		Y3-2-04	Tudupova Biligma (<i>Ioffe Institute</i>): Formation and properties of structures based on Graphene Oxide and Detonation Nanodiamonds in water	https://acns2021-ioffe.slack.com/archives/C024F7NN72A
		Y3-2-05	Zhirov Maksim (<i>Lomonosov Moscow State University, Chemistry Department</i>): Solid-state fluorinating agents for fluorination of graphene	https://acns2021-ioffe.slack.com/archives/C024JUBU6KF
	17.15-18.00	I-10	Invited lecture Aleksandra Siklitchkaia (<i>Institute of Chemical Physics, Polish Academy of Sciences, Poland</i>): Modelling the carbonaceous nanostructures: modern advances	https://acns2021-ioffe.slack.com/archives/C024JUDFSVB
	18.00-18.15	Break		
	18.15-19.00	I-11	Invited lecture Alexander Vasiliev (<i>NRC "Kurchatov Institute", Russia</i>): Transmission electron microscopy in the study of carbon-based nanostructures	https://acns2021-ioffe.slack.com/archives/C024F7SL0T0
	19.00-20.00		3-3 Online session: Reports of young scientists	
		Y3-3-01	Bunyaev Vitaliy (<i>Lomonosov Moscow State University</i>): Tritium labeled graphene oxide as a component of a nuclear battery	https://acns2021-ioffe.slack.com/archives/C024U65GKD2
		Y3-3-02	Dubovenko Roman (<i>Saint-Petersburg University</i>): Impact of C ₆₀ based star macromolecules & ionic liquid as novel membrane modifiers on pervaporation performance in lactic acid dehydration	https://acns2021-ioffe.slack.com/archives/C0250KJ0E8H
		Y3-3-03	Kulbina Anastasia (<i>Volgograd State University</i>): 3D ultrashort optical pulses in anisotropic optical medium with carbon nanotubes and an order parameter	https://acns2021-ioffe.slack.com/archives/C024784PZ2T
		Y3-3-04	Lobanova Evgeniya (<i>ITMO University</i>): Iron- and silicon-intercalated graphene on silicon carbide	https://acns2021-ioffe.slack.com/archives/C024F7XF2KG
		Y3-3-05	Sinolits Artem (<i>Lomonosov Moscow State University</i>): Preparation and properties of Myramistin-hyaluronic acid coatings on the nanodiamond surface	https://acns2021-ioffe.slack.com/archives/C024N7PSY1H
	20.00-20.15	I-00	Closing remarks	

NANODIAMOND PARTICLES

11.00-11.45	I-12	Invited lecture Andrey Knizhnik (NRC "Kurchatov Institute", Russia): Theoretical modeling of structure and properties of detonation nanodiamonds	https://acns2021-ioffe.slack.com/archives/C024N7WS2TD
11.45-12.45		4-1 Online session: Nanodiamond Particles	
	O4-1-01	Dolmatov Valerii (Federal State Unitary Enterprise "Special Design and Technological Bureau "Technolog"): Influence of modification of tetrayl detonation nanodiamonds on the combustion process of model pasty rocket fuels (RF)	https://acns2021-ioffe.slack.com/archives/C024N7YV48K
	O4-1-02	Lebedev Vasily (Petersburg Nuclear Physics Institute named by B.P. Konstantinov of NRC "Kurchatov Institute"): Complexes of nanodiamonds with Gd-fullerenols for biomedicine	https://acns2021-ioffe.slack.com/archives/C0250MHCLKB
	O4-1-03	Leshchev Dmitrii (Peter the Great St. Petersburg Polytechnic University): On mechanism of diamond growth: role of atomic carbon	https://acns2021-ioffe.slack.com/archives/C024N9M6L2X
	O4-1-04	Mateyshina Yuliya (Institute of Solid State Chemistry and Mechanochemistry, SB of the RAS): Nanodiamonds as a component for composite solid electrolytes	https://acns2021-ioffe.slack.com/archives/C0250MKRNHX
	O4-1-05	Osipov Vladimir (Ioffe Institute): Evaluation the Amount of NV ⁻ centers in 3-nm Detonation Nanodiamonds by Half Magnetic Field ESR Method	https://acns2021-ioffe.slack.com/archives/C0250MM8F97
	O4-1-06	Shestakov Mikhail (Ioffe Institute): Sonication assisted advanced oxidation process: hybrid method for deagglomeration of detonation nanodiamond particles	https://acns2021-ioffe.slack.com/archives/C0250MP280Z
	O4-1-07	Shvidchenko Aleksandr (Ioffe Institute): Influence of the size of detonation nanodiamond particles on their electrosurface properties in hydrosols	https://acns2021-ioffe.slack.com/archives/C024U8D0Q92
	O4-1-08	Vdovichenko Artem (NRC "Kurchatov institute"): Dielectric spectroscopy study of detonation nanodiamonds self-organization in oil suspensions	https://acns2021-ioffe.slack.com/archives/C024U8E8PHA
	O4-1-09	Yudin Ivan (Kutateladze Institute of Thermophysics, SB of the RAS): Influence of nitrogen on the synthesis of diamonds during gas-jet HWCVD deposition	https://acns2021-ioffe.slack.com/archives/C024N9XT82X

12.45-13.30	I-13	Invited Lecture Stepan Stehlik (<i>Institute of Physics of the Czech Academy of Sciences, Czech Republic</i>): Smaller than usual: preparation, properties, and size effects in sub-5 nm nanodiamonds	https://acns2021-ioffe.slack.com/archives/C024FA96KCN
13.30-14.30		4-2 Online session: Nanodiamond Particles	
	O4-2-01	Chernysheva Maria (<i>Lomonosov Moscow State University</i>): Langmuir hydrogen atomization as a novel approach for nanodiamond treatment	https://acns2021-ioffe.slack.com/archives/C024FABKBML
	O4-2-02	Dolmatov Valerii (<i>Federal State Unitary Enterprise "Special Design and Technological Bureau "Technolog"</i>): Possible mechanism for the formation of detonation nanodiamonds	https://acns2021-ioffe.slack.com/archives/C0250N6GZQR
	O4-2-03	Grudinkin Sergey (<i>Ioffe Institute</i>): Emission of GeV colour centre ensembles in HFCVD nanodiamonds	https://acns2021-ioffe.slack.com/archives/C024K1U1WUD
	O4-2-04	Kuznetsov Nikita (<i>NRC "Kurchatov Institute"</i>): Electrorheological fluids filled by detonation nanodiamonds	https://acns2021-ioffe.slack.com/archives/C024FAMJV62
	O4-2-05	Lebedev Vasily (<i>Petersburg Nuclear Physics Institute named by B.P. Konstantinov of NRC "Kurchatov Institute"</i>): X-ray luminescent nanodiamonds modified by Eu diphthalocyanine	https://acns2021-ioffe.slack.com/archives/C025BTR9UKA
	O4-2-06	Leshchev Dmitrii (<i>Peter the Great St. Petersburg Polytechnic University</i>): On mechanism of diamond growth: role of ethylene and acetylene	https://acns2021-ioffe.slack.com/archives/C024K1YND3P
	O4-2-07	Lychagin Egor (<i>Joint Institute for Nuclear Research</i>): Development of high-purity detonation synthesis nanodiamonds for slow neutron reflectors	https://acns2021-ioffe.slack.com/archives/C0247B0N1U7
	O4-2-08	Yudin Ivan (<i>Kutateladze Institute of Thermophysics, SB of the RAS</i>): Gas-jet HWCVD synthesis of diamond from a mixture of hydrogen with ethylene	https://acns2021-ioffe.slack.com/archives/C024NAJTKHR
	O4-2-09	Zinin Pavel (<i>Scientific and Technological Center of Unique Instrumentation, RAS</i>): Granular conductivity in boron rich diamond like carbon films	https://acns2021-ioffe.slack.com/archives/C024NAL5951
14.30-15.15		Lunch time	
15.15-16.00	I-14	Invited lecture Ken Haenen (<i>Hasselt University, Belgium</i>): Doping of diamond: Importance for nanodiamond particles and nanocrystalline CVD diamond films	https://acns2021-ioffe.slack.com/archives/C024K27025T

	4-3 Online session: Nanodiamond Particles	
O4-3-01	Belousov Sergey (<i>NRC “Kurchatov Institute”</i>): Organization in various small-angle x-ray scattering study of the detonation nanodiamonds structural media	https://acns2021-ioffe.slack.com/archives/C025BU28UD6
O4-3-02	Bogdanov Kirill (<i>ITMO University</i>): Amplification of colour-centre luminescence using Getter-controlled nitrogen reduction for synthetic HPHT micro-diamonds	https://acns2021-ioffe.slack.com/archives/C024FB1EX0E
O4-3-03	Ducrozet Florent (<i>Université Paris-Saclay</i>): Influence of annealing atmosphere on DNDs' surface graphitization and impact on their colloidal stability in water	https://acns2021-ioffe.slack.com/archives/C024FB3477G
O4-3-04	Gozhikova Inna (<i>Institute of Physiologically Active Substances, RAS</i>): Composites of SiO ₂ - aerogels with nanodiamonds	https://acns2021-ioffe.slack.com/archives/C024K2CM5UM
O4-3-05	Kapustin Sergey (<i>Northern (Arctic) Federal University</i>): Research of electrophysical properties of diamonds with NV-centres in a wide range of temperatures and frequencies	https://acns2021-ioffe.slack.com/archives/C024NAX3WJF
O4-3-06	Kulvelis Yuri (<i>Petersburg Nuclear Physics Institute named by B.P. Konstantinov of NRC “Kurchatov Institute”</i>): Improving the performance of PFSA membranes using sulfonated nanodiamonds	https://acns2021-ioffe.slack.com/archives/C024FB71DUN
O4-3-07	Kuziv Ivan (<i>Northern (Arctic) Federal University</i>): Investigation of the Nitrogen-doped Diamond Defects by Positron Annihilation Spectroscopy	https://acns2021-ioffe.slack.com/archives/C0250NXSVAM
O4-3-08	Ovchinnikov-Lazarev Maxim (<i>JSC RCRF Troitsk Institute for Innovation and Fusion Research (TRINITY ROSATOM)</i>): The use of purified detonation nanodiamond in an anti-icing composition	https://acns2021-ioffe.slack.com/archives/C024NB1U30T
O4-3-09	Shilova Olga (<i>Institute of Silicate Chemistry, RAS</i>): Nanodiamond batch enriched with B, P: Prospects for use in agriculture	https://acns2021-ioffe.slack.com/archives/C024K2KND7X
O4-3-10	Sigalaev Sergey (<i>Keldysh Institute of Applied Mathematics, RAS</i>): Detonation synthesis of carbon onions and their properties	https://acns2021-ioffe.slack.com/archives/C025BUEQRQ8
O4-3-11	Tomchuk Oleksandr (<i>Joint Institute for Nuclear Research</i>): Tuning of the porous structure of detonation nanodiamond powders by pressure: SANS study	https://acns2021-ioffe.slack.com/archives/C024K2NFC5T
O4-3-12	Trofimuk Andrey (<i>Ioffe Institute</i>): Removal of several atomic layers in detonation nanodiamond particles	https://acns2021-ioffe.slack.com/archives/C025BUHG37A
O4-3-13	Utesov Oleg (<i>Petersburg Nuclear Physics Institute named by B.P. Konstantinov of NRC “Kurchatov Institute”</i>): Nanodiamonds size, shape,	https://acns2021-ioffe.slack.com/archives/C024FBGS1L6

		and defectness determination using Raman spectroscopy	
	O4-3-14	Yudina Elena (<i>Ioffe Institute</i>): Nanodiamond deagglomerated by annealing under argon: infrared spectroscopy and mass-spectrometry study	https://acns2021-ioffe.slack.com/archives/C0250P6SN01
FULLERENES			
17.00-18.00		4-4 Online session: Fullerenes	
	O4-4-01	Abbas Rashad (<i>Saint-Petersburg State Institute of Technology</i>): Density functional theory calculation for fullerene-lysine system	https://acns2021-ioffe.slack.com/archives/C024K2VKXAR
	O4-4-02	Andreev Sergey (<i>NRC Institute of Immunology FMBA of Russia</i>): Study of temporal changes in the spectrum of fullerene C ₆₀ in the presence of N-methylpyrrolidone	https://acns2021-ioffe.slack.com/archives/C024UA0MRN0
	O4-4-03	Aouane Mohamed (<i>Institut Laue Langevin (ILL)</i>): Inelastic Neutron Scattering of endofullerenes: ³ HeC ₆₀ study	https://acns2021-ioffe.slack.com/archives/C0247BYUSJK
	O4-4-04	Elesina Victoria (<i>Kirensky Institute of Physics, FRC KSC, SB of the RAS</i>): Method for the extraction of EMF in a mechanical extractor	https://acns2021-ioffe.slack.com/archives/C024K306UTF
	O4-4-05	Magarill L. (<i>Rzhanov Institute of Semiconductor Physics, SB of the RAS</i>): Theory of electron states in cone made of graphene or other multivalley 2D systems	https://acns2021-ioffe.slack.com/archives/C0250PFQTH7
	O4-4-06	Gerasimova Liubov (<i>Saint-Petersburg State Institute of Technology</i>): Solubility of rare earth chlorides in ternary water-salt systems in the presence of a fullerenol - C ₆₀ (OH) ₂₄ nanoclusters at 25°C	https://acns2021-ioffe.slack.com/archives/C024N59LU2E
	O4-4-07	Khamatgalimov Ayrat (<i>Arbuzov Institute of Organic and Physical Chemistry, FRC Kazan Scientific Center, RAS</i>): The peculiarities of molecular structure of low-symmetry isomers of non-IPR fullerene C ₇₆	https://acns2021-ioffe.slack.com/archives/C0250PJT1A5
	O4-4-08	Kudoyarova Vera (<i>Ioffe Institute</i>): Observation of singlet oxygen in polysiloxan block-sopolimer, modified C 60	https://acns2021-ioffe.slack.com/archives/C0250PKU7H7
	O4-4-09	Sabirov Denis (<i>Institute of Petrochemistry and Catalysis, UFRC, RAS</i>): Algorithm for enumeration and generation of regioisomeric fullerene cycloadduct structures	https://acns2021-ioffe.slack.com/archives/C024K36GR37

	O4-4-10	Vnukova Natalia (<i>Kirensky Institute of Physics, FRC KSC, SB of the RAS</i>): Comparative characteristics of Sc ₂ C ₂ @C ₈₂ and C ₈₄ polymerization under high pressure	https://acns2021-ioffe.slack.com/archives/C024N5FBNSE
18.00-18.15	Break		
18.15-19.15		4-5 Online session: Fullerenes	
	O4-5-01	Amusia Miron (<i>Ioffe Institute</i>): Role of fullerenes shell in time delay of photoelectrons from endohedrals	https://acns2021-ioffe.slack.com/archives/C024K39UPAR
	O4-5-02	Andreev Sergey (<i>NRC Institute of Immunology FMBA of Russia</i>): Facile organosilicon-based route for synthesis of fullerene amino acid adducts	https://acns2021-ioffe.slack.com/archives/C024K3B6YQ5
	O4-5-03	Fokin Nikita (<i>Petersburg Nuclear Physics Institute named by B.P. Konstantinov of NRC "Kurchatov Institute"</i>): The structure of water-soluble derivatives of endohedral metallofullerenes and features of their self-organization in aqueous solutions	https://acns2021-ioffe.slack.com/archives/C025BV6BV4G
	O4-5-04	Gerasimova Liubov (<i>Saint-Petersburg State Institute of Technology</i>): Catalytic fullerene action on chlorella growth in the conditions of limited resource base	https://acns2021-ioffe.slack.com/archives/C0250PVL89
	O4-5-05	Khamatgalimov Ayrat (<i>Arbuzov Institute of Organic and Physical Chemistry, FRC Kazan Scientific Center, RAS</i>): Is there a molecular symmetry lowering in open-shell IPR higher fullerenes?	https://acns2021-ioffe.slack.com/archives/C024FC84Z62
	O4-5-06	Kopeuw Agnes (<i>Saint-Petersburg State Institute of Technology</i>): Quantum chemistry simulation of halogenated fullerene. Regiochemistry and vibrational spectra	https://acns2021-ioffe.slack.com/archives/C025BVBLXLY
	O4-5-07	Lyutova Zhanna (<i>Petersburg Nuclear Physics Institute named by B.P. Konstantinov of NRC "Kurchatov Institute"</i>): Antioxidant properties of water-soluble fullerene derivatives	https://acns2021-ioffe.slack.com/archives/C024K3K4HEZ
	O4-5-08	Mikheev Ivan (<i>Lomonosov Moscow State University</i>): Aqueous fullerene dispersions: preparation techniques, characterization, and applications	https://acns2021-ioffe.slack.com/archives/C024UAQKEBE
	O4-5-09	Sabirov Denis (<i>Institute of Petrochemistry and Catalysis, UfRC, RAS</i>): Bader's bond ellipticity as a reactivity index in the stepwise [2+1] cycloaddition reactions to the C ₆₀ fullerene	https://acns2021-ioffe.slack.com/archives/C025C097GF2
	O4-5-10	Suyasova Marina (<i>Petersburg Nuclear Physics Institute named by B.P. Konstantinov of NRC "Kurchatov Institute"</i>): Structural features of new fullerene derivatives according to IR-, Raman- and UV/Vis-spectroscopy	https://acns2021-ioffe.slack.com/archives/C024K3WC3FX
	O4-5-11	Tropin Timur (<i>Joint Institute for Nuclear Research, Frank Laboratory of Neutron Physics</i>): Kinetics of cluster growth in C ₆₀ -toluene solutions: DLS	https://acns2021-ioffe.slack.com/archives/C024NCF23M1

			study and theoretical evaluation	
Thursday	19.15-20.00	I-15	Invited lecture Cami Jan (<i>Western University, Canada</i>): The Hidden Life of Cosmic Fullerenes	https://acns2021-ioffe.slack.com/archives/C0250QE6P97
Friday, July 02	APPLICATIONS OF NANOCARBONS			
	11.00-11.45	I-16	Invited lecture Cecilia Ménard-Moyon (<i>University of Strasbourg, France</i>): Multifunctionalized carbon nanotubes for applications in diagnosis and therapy	https://acns2021-ioffe.slack.com/archives/C0247DC9AKZ
	11.45-12.45		5-1 Online session: Applications of Nanocarbons	
		O5-1-01	Gryaznova Marina (<i>Technological Institute for Superhard and Novel Carbon Materials</i>): Exfoliated graphite-based carbon ink for screen-printing applications	https://acns2021-ioffe.slack.com/archives/C024FD545SS
		O5-1-02	Men'shchikov Ilya (<i>Frumkin Institute of Physical chemistry and Electrochemistry (IPCE), RAS</i>): Thermodynamics of xenon adsorption on nanoporous SiC-derived carbon affected by adsorption-induced and thermal strain	https://acns2021-ioffe.slack.com/archives/C024UBHT63E
		O5-1-03	Mikheev Ivan (<i>Lomonosov Moscow State University</i>): In vitro evaluation of fullerenes and endofullerenes in aqueous dispersions as superoxide scavengers and their toxicity	https://acns2021-ioffe.slack.com/archives/C0247DGA1RV
		O5-1-04	Nishchakova Alina (<i>Nikolaev Institute of Inorganic Chemistry, SB of the RAS</i>): Ni catalysts on N-doped and N-free porous carbon materials for hydrogen production from formic acid	https://acns2021-ioffe.slack.com/archives/C024K4H7L69
		O5-1-05	Shkolin Andrey (<i>Frumkin Institute of Physical chemistry and Electrochemistry (IPCE), RAS</i>): Deformation of nanoporous carbon adsorbent induced by methane adsorption in wide range of pressures and temperatures	https://acns2021-ioffe.slack.com/archives/C024K4J5MN1
	12.45-13.00	Break		

Friday, July 02	13.00-13.15	1-17	Invited speaker Sergey Kulikov (<i>RUSNANO Chairman of the Executive Board, Russia</i>)	https://acns2021-ioffe.slack.com/archives/C024UBNFPS8
	13.15-14.00		Lunch time	
	14.00-15.00		5-2 Online session: Applications of Nanocarbons	
		O5-2-01	Katin Konstantin (<i>National Research Nuclear University MEPhI</i>): Ab initio study of fluorinated fullerenes as drug delivery systems	https://acns2021-ioffe.slack.com/archives/C024ND5F70T
		O5-2-02	Litasova Elena (<i>Institute of Experimental Medicine</i>): Development of delivery systems based on fullerene C ₆₀ and application prospects	https://acns2021-ioffe.slack.com/archives/C024UBT2RBN
		O5-2-03	Shkolin Andrey (<i>Frumkin Institute of Physical chemistry and Electrochemistry (IPCE), RAS</i>): The model of adsorption/desorption process on nanoporous carbon materials under the thermal insulation conditions	https://acns2021-ioffe.slack.com/archives/C024N6YBEQ2
		O5-2-04	Tomchuk Alina (<i>Joint Institute for Nuclear Research</i>): Comparative structural and in vitro toxicity study of C ₆₀ -lysine and C ₆₀ -piperazine aqueous solutions for biomedical purposes	https://acns2021-ioffe.slack.com/archives/C025C15NUTA
		O5-2-05	Turetskiy Evgeny (<i>NRC Institute of Immunology FMBA of Russia</i>): Fullerene C ₆₀ exhibits no subacute toxicity in mice after repeated administration	https://acns2021-ioffe.slack.com/archives/C024NDA4PFV
	15.00-15.30	I-00	Closing remarks	