



ISAC-2019

3rd International Seminar on Advanced Calorimetry

SCIENTIFIC PROGRAM



**15-18 October 2019
Kazan, Russia**



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THE CONFERENCE ORGANIZERS

Ministry of Science and Higher Education of Russian Federation
Kazan (Volga region) Federal University
Laboratory of fast scanning calorimetry (KFU)

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Christoph Schick (Germany)
Boris Solomonov (Russia)
Sergey Verevkin (Germany)

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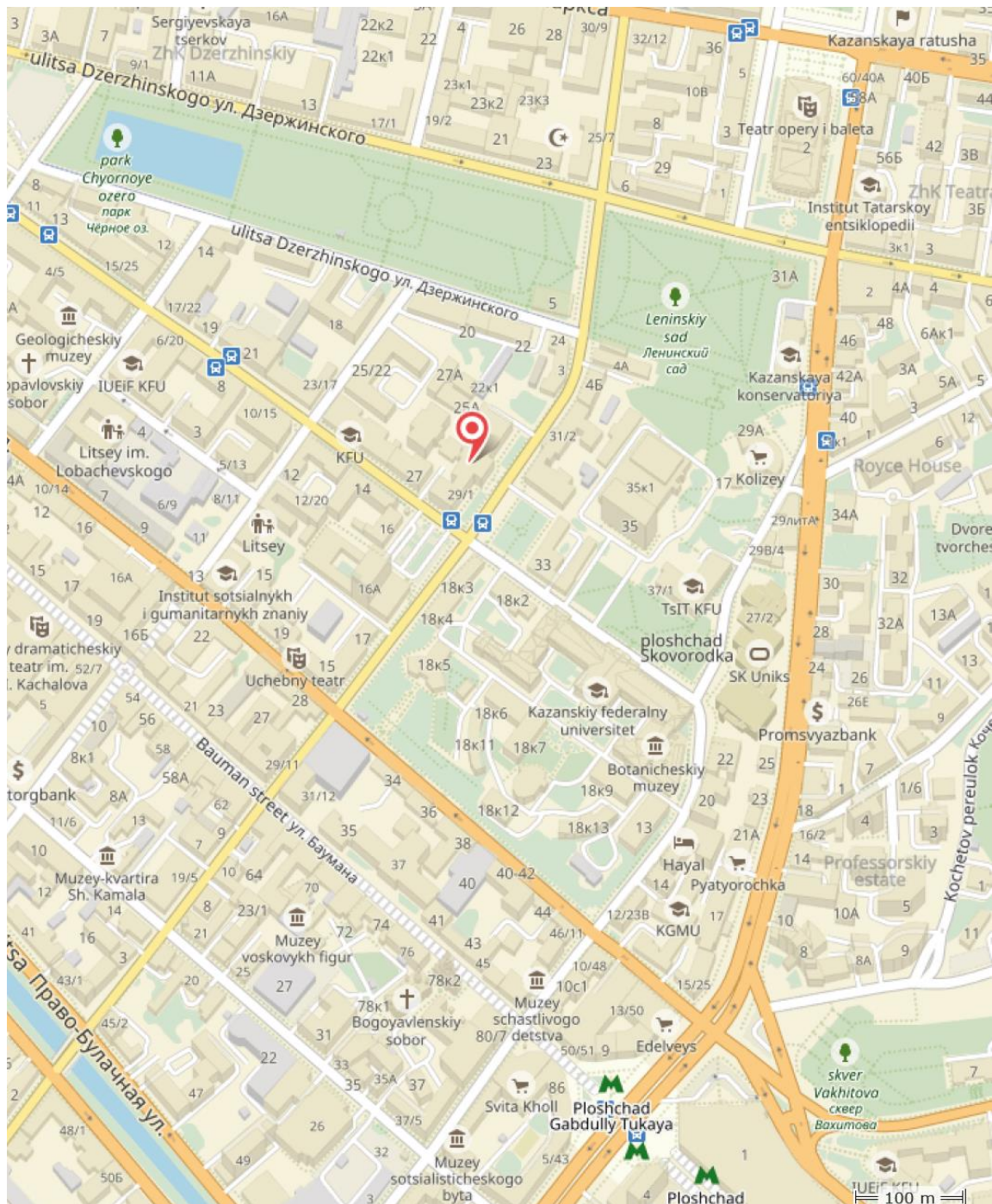
October, 15	
<i>Room №308, New building of A.M. Butlerov Chemical Institute, Lobachevskogo St. 1/29</i>	
9:00-9:45	Registration
9:45-10:00	Opening ceremony
10:00-10:40	Boris Solomonov <i>THERMODYNAMICS OF INTERMOLECULAR INTERACTIONS IN SOLUTIONS OF ORGANIC NONELECTROLYTES. FORTY YEARS OF RESEARCH AT KAZAN UNIVERSITY</i>
10:40-11:20	Juergen Schawe <i>THE FORMATION OF DIFFERENT GLASSES AND NANO-STRUCTURES IN BULK METALLIC GLASS ALLOYS</i>
11:20-11:40	Coffee break
11:40-12:20	Alexander Minakov <i>NANOSCALE HEAT CONDUCTION IN CNT-POLYMER NANOCOMPOSITES, AS WELL AS TEMPERATURE GRADIENTS IN ULTRAFAST THIN-FILM NANO-CALORIMETRY</i>
12:20-13:00	Sergey Verevkin <i>QUANTIFICATION OF DISPERSION INTERACTIONS BY USING CALORIMETRY AND OTHER THERMOCHEMICAL METHODS</i>
13:00-14:30	Lunch
<i>Room №308, New building of A.M. Butlerov Chemical Institute, Lobachevskogo St. 1/29</i>	
14:30-15:10	Daniele Cangialosi <i>GLASS TRANSITION PHENOMENA OF CONFINED POLYMERS BY FAST SCANNING CALORIMETRY</i>
15:10-15:50	Timur Tropin <i>STUDY OF THE POLYSTYRENE GLASS TRANSITION KINETICS IN A WIDE RANGE OF TEMPERATURE CHANGE RATES</i>
15:50-16:30	Coffee break

16:30-17:10	Dimitry Ivanov MONITORING CRYSTALLIZATION AND MELTING WITH MILLISECOND TIME RESOLUTION: IN-SITU COMBINATION OF MICRO-FOCUS X-RAY SCATTERING AND ULTRA-FAST SCANNING CHIP CALORIMETRY
17:10-17:30	René Androsch ENTHALPY RELAXATION OF POLYAMIDE 11 OF DIFFERENT MORPHOLOGY FAR BELOW THE GLASS TRANSITION TEMPERATURE
17:30-17:50	Xavier Monnier PROBING THE STRUCTURAL RELAXATION OF THE RIGID AMORPHOUS FRACTION IN SEMI-CRYSTALLINE POLY(L-LACTIC ACID)
18:30	Welcome party
October, 16	
<i>Room №308, New building of A.M. Butlerov Chemical Institute, Lobachevskogo St. 1/29</i>	
9:00-9:40	Konstantin Gavrichev CALORIMETRIC STUDIES OF RE TANTALATES AND HAFNATES
9:40-10:00	Elena Anikina INVESTIGATION OF HYDROGEN REACTION WITH INTERMETALLIC COMPOUNDS AB ₂ (A=Ti,Zr, B=Mn, V) LAVES PHASE STRUCTURE C 14 BY MEANS OF CALORIMETRIC METHOD
10:00-10:20	Igor Sedov FSC ANNEALING EXPERIMENTS WITH CROSS-LINKED POLYCAPROLACTONE
10:20-10:40	Timur Mukhametzyanov TAMMANN'S-LIKE APPROACH FOR LYSOZYME REFOLDING IN GLYCEROL
10:40-11:00	Coffee break
11:00-11:40	Dzmitry Zaitsau THERMAL STABILITY OF MOLECULAR AND IONIC COMPOUNDS: EVAPORATION VS DECOMPOSITION, TGA AND DSC
11:40-12:00	Andrey Pimerzin LIQUID ORGANIC HYDROGEN CARRIERS (LOHC): THERMODYNAMICS OF HYDROGENATION-DEHYDROGENATION OF POLYCYCLIC AROMATIC HYDROCARBONS AND NITROGEN-CONTAINING HETEROCYCLES
12:00-12:20	Marat Ziganshin SHORT-CHAIN OLIGOPEPTIDES: SELF-ASSEMBLY AND THERMAL PROPERTIES
12:20-12:40	Askar Gatiatulin THERMODYNAMICS OF α -CYCLODEXTRIN HYDRATION
12:40-14:00	Lunch
14:00-18:00	Excursion
18:00	Banquet

October, 17

*Room №308, New building of A.M. Butlerov Chemical Institute,
Lobachevskogo St. 1/29*

10:00-10:20	Ruslan Nagrimanov <i>SOLVATION ENTHALPY AND HOW IT CAN BE USEFUL FOR EVALUATION OF THE ENTHALPIES OF PHASE TRANSITIONS AND CONDENSED STATE ENTHALPIES OF FORMATION</i>
10:20-10:40	Mikhail Yagofarov <i>THE EMPIRIC SCHEME FOR THE ADJUSTMENT OF THE FUSION ENTHALPIES OF POLYCYCLIC AROMATIC HYDROCARBONS FROM THE MELTING TEMPERATURE TO 298.15 K</i>
10:40-11:00	Alexey Buzuirov <i>DETERMINATION OF THE VAPOR PRESSURE USING FAST SCANNING CALORIMETRY</i>
11:00-11:20	Coffee break
11:20-11:50	Evgeny Zhuravlev <i>FAST SCANNING CALORIMETRY FOR ADDITIVE MANUFACTURING</i>
11:50-12:30	Christoph Schick <i>HOMOGENEOUS CRYSTAL NUCLEATION IN POLYMERS – NUCLEATION KINETICS AND THERMAL STABILITY OF NUCLEI</i>
12:30-13:00	Closing ceremony
13:00-14:00	Lunch
October, 18	
<i>Departure of participants</i>	



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