



**The program of the international workshop
«Monte Carlo methods in computer simulations of complex systems»**

School of Biomedicine, FEFU, office 707
07-12 November 2016

Time	Speaker	Title
Monday 07 November 2016		
Arrival of participants		
Tuesday 08 November 2016		
<i>Opening</i>		
11:00-11:15		
11:15-12:15	Gerrit Schierholz, DESY, Hamburg	Running coupling from Wilson flow for three quark flavors
12:15-13:15	Vladimir Shevchenko, NRC Kurchatobvsky Institut	TBA
13:15-15:00	Lunch	
15:00-16:00	Konstantin Zarembo	TBA
16:00-16:30	Roman Rogalyov, IHEP, Protvino	Uses of the Gradient Flow for Scale Fixing in the $SU(2)$ Gauge Theory
16:30-17:30	Discussion	
17:30-18:30	Discussion of QCDSF related project	
Wednesday 09 November 2016		
10:00-11:00	Atsushi Nakamura RCNP, Osaka and FEFU	Sports, Simulations, Artificial intelligence and Virtual reality
11:00-11:30	Vladimir Goy, FEFU, Vladivostok	Z_n computations using GPGPU
11:30-12:00	Denis Boyda, FEFU, Vladivostok	Determination of QCD phase transition line in the canonical approach.
12:00-12:30	<i>Coffee-break</i>	
12:30-13:30	Vitaly Bornyakov FEFU, Vladivostok	Proposal for determination of the phase transition line in $T-\mu$ plane
13:30-15:30	<i>Lunch</i>	
15:30-16:00	Asobu Suzuki	Study of the sign problem in canonical approach
16:00-16:30	Shotaro Oka	Finite density QCD phase transition with canonical approach - Power of multiple precision computation
16:30-17:00	<i>Coffee-break</i>	
17:00-18:00	Discussion	
Thursday 10 November 2016		
10:00-10:40	Viktor Braguta, ITEP, Moscow, FEFU, Vladivostok	Chiral catalysis in various physical systems
10:40-11:10	Alexander Nikolaev, FEFU,	Study of the phase diagram of dense

