WORKSHOP

Quantum and Motivic Cohomology
&
Fano Varieties and Mirror Symmetry

SAINT PETERSBURG, SEPTEMBER 26–28, 2013

Euler International Mathematical Institute

Pesochnaya nab. 10, St.Petersburg

THURSDAY, September 26

10.30–11.30	Dmitry Kaledin (`MIAN`)
	Trace functors and trace theories
	Tea break
11.50–12.50	Alexander Efimov (`MIAN`)
	Topological Hochschild (co)homology of the second kind and Wieferich primes
13.00–15.00	**Lunch**
15.00–16.00	Yuri Prokhorov (`MIAN`)
	Automorphisms of Fano varieties and Cremona groups
	Tea break
16.20–17.20	Alexander Kuznetsov (`MIAN`)
	On derived categories of Fano 3-folds
17.30–19.00	**Discussion Session**

FRIDAY, September 27

10.30–11.30	Evgeny Shinder (`U. Edinburgh`)
	Phantoms in fake projective planes
	Tea break
11.50–12.50	Sergey Galkin (`HSE`)
	Quantum cohomology algebra of toric Fano manifolds
	contains a field as a direct summand
13.00–15.00	**Lunch**
15.00–16.00	Victor Przyjalkowski (`MIAN`)
	Hodge numbers of Fano varieties via Mirror Symmetry
	Tea break
16.20–17.20	Nikolai Durov (`POMI`)
	Topological models of algebraic varieties
18.30–22.00	**Conference Dinner**

SATURDAY, September 28

10.30–11.30	Alexander Smirnov (`POMI`)
	The Artin Conjecture on Primitive Roots,
	Arithmetic Hurwitz Formula and Big ζ's
	Tea break
11.50–12.50	Alexey Ananyevskiy (`SPbSU`)
	Cohomology theories with invertible Hopf element
13.00–15.00	**Lunch**
15.00–16.00	Mikhail Bondarko (`SPbSU`)
	Weight structures and comotives; the corresponding filtrations
	and spectral sequences
	Tea break
16.20–17.20	Serge Yagunov (`POMI, SPbSU`)
	Motivic Steenrod algebra and Motivic cohomology
	spectral sequence

END