

# Schedule of Energy PhD seminar (AY 2016/2017)

## September

07.09.2016	<b>Artem Naumov</b> (Advisor: Andriy Zhugayevych) - <i>Molecular dynamics for organic electronics</i> <a href="#">Abstract</a>
14.09.2016	<b>Misha Chertkov</b> (Guest lecture) - <i>Thermal transients in district heating systems: physics modeling for better identification and control</i> <a href="#">Abstract</a>
21.09.2016	<b>Alexandra Sveshnikova</b> (Advisor: Alexander Ustinov) - <i>Modeling of voltage and current losses in polymer electrolyte fuel cells</i> <a href="#">Abstract</a>
28.09.2016	<b>Sergei Vavilov</b> (Advisor: Keith Stevenson) - <i>Anode coatings for lithium-silicon batteries</i> <a href="#">Abstract</a>

## October

05.10.2016	<b>Lyudmila Khakimova</b> (Advisor: Artem Myasnikov) - <i>Optimization workflow for modelling of two-phase thermal multicomponent filtration</i> <a href="#">Abstract</a>	
12.10.2016	<b>Aliya Mukhametdinova</b> (Advisors: Alexey Cheremisin, Marwan Charara) - <i>Laboratory NMR applications for Bazhenov Formation core samples analysis and possibility of using NMR during the filtration experiments</i> <a href="#">Abstract</a>	
19.10.2016	1st talk: <b>Anastasia Gabova</b> (Advisor: Yuri Popov) - <i>Development of advanced technique for investigation of formation thermal properties in application to hydrocarbon recovery problems</i> <a href="#">Abstract</a>	2nd talk: <b>Alina Akhtyamova</b> (Advisor: Artem Myasnikov) - <i>Poroelastoplastic geomechanic model for unconventional reservoirs: construction, core based initialization and practical application</i> <a href="#">Abstract</a>
25-26.10.2016	<b>Workshop</b> <a href="#">1st Annual Workshop of Skoltech/MIT Next Generation Program</a>	

## November

02.11.2016	<b>Andrey Tarkhov</b> (Advisor: Boris Fine) - <i>Quantum simulation of chaotic behaviour of the discrete Gross-Pitaevskii equation with ultracold atoms in optical lattices</i> <a href="#">Abstract</a>	
09.11.2016	<b>Evgeniya Gilshteyn</b> (Advisor: Albert Nasibulin) - <i>Stretchable and transparent supercapacitors based on aerosol synthesized single-walled carbon nanotube films</i> <a href="#">Abstract</a>	
16.11.2016	1st talk: <b>Maksim Glagolev</b> (Advisor: Alexander Ustinov) - <i>Smart Heat Grids. New technologies and approaches</i>	2nd talk: <b>Mazhar Ali</b> (Advisors: Janusz Bialek, Konstantin Turitsyn, Anatoly Dymarsky) - <i>Studying power flow solution space with system constraints</i>
23.11.2016	1st talk: <b>Kirill Abrosimov</b> (Advisor: Alexander Ustinov) - <i>CHP micro gas turbine system with subatmospheric thermodynamic cycle</i>	2nd talk: <b>Grigoriy Starkov</b> (Advisors: Anatoly Dymarsky, Boris Fine) - <i>Clustered simulation of spin lattices</i>
30.11.2016	1st talk: <b>Anastasia Ivanova</b> (Advisor: Alexey Cheremisin) - <i>Nanoparticles in chemical EOR: challenges and opportunities</i>	2nd talk: <b>Irina Luckicheva</b> (Advisor: Alexander Ustinov) - <i>Median filtering in power system state estimation</i> <a href="#">Abstract</a>

## December

07.12.2016	1st talk: <b>Aysylu Askarova</b> (Advisor: Alexei Cheremisin) - <i>Thermal methods of enhanced oil recovery. Experimental and numerical modelling of in-situ combustion</i>	2nd talk: <b>Nikolai Mitiurev</b> (Advisor: Mikhail Spasennykh) - <i>Kerogen thermal destruction kinetics</i>
14.12.2016	1st talk: <b>Vasily Chirkin</b> (Advisor: Janusz Bialek) - <i>Virtual Power Plant on basis of Microgrid</i>	2nd talk: <b>Evgeny Shilov</b> (Advisor: Alexey Cheremisin) - <i>CO2 usage as enhance oil recovery technique</i>

## February

08.02.2017	<b>Prof. Alexei Buchachenko</b> - <i>Project Presentation</i>
15.02.2017	<b>Andrey Churkin</b> (Advisor: Janusz Bialek) - <i>Analysis of interdependencies between Gas and Electric Power systems for optimal dispatching and reliability assessment</i> <a href="#">Abstract</a>
22.02.2017	<a href="#">Prof. Mark Kachanov</a> (Guest lecture) - <i>Writing a scientific paper – comments of journal editor</i> <a href="#">Abstract</a>

## March

01.03.2017	<b>Grigoriy Starkov</b> (Advisors: Anatoly Dymarsky, Boris Fine) - <i>Clusterization method for simulation of spin dynamics</i> <a href="#">Abstract</a>
15.03.2017	1st talk: <b>Vasily Chirkin</b> (Advisors: Janusz Bialek, Federico Ibanez) - <i>Voltage instability in microgrids with large proportion of induction motors</i> <a href="#">Abstract</a> 2nd talk: <b>Nikolai Miturev</b> (Advisor: Mikhail Spasennykh) - <i>Kerogen thermal destruction</i> <a href="#">Abstract</a>