

*Draft of the Programme,  
all speakers to be confirmed*

# **The Eighth German-Russian Week of the Young Researcher**

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## **“Chemical Energy Storage and Conversion”**

**German-Russian Institute  
of Advanced Technologies (GRIAT)**

**September 10-13, 2018**

**Conference Hotel**

**Hotel**

**Conference Location**

**German-Russian Institute of Advanced Technologies (GRIAT)**  
Kazan

With financial support of



Federal Foreign Office

Welcome to the „8<sup>th</sup> German-Russian Week of the Young Researcher“!

Dear colleagues from Russia and Germany,

We are very delighted to welcome you to our Eighth Week of the Young Researcher! When we convened the “German-Russian Year of Science“, seven years ago, the idea was born to invite young researchers from both countries to come together to discuss current topics of mutual interest. Since then it has grown from strength to strength. The success of the first week in Kazan encouraged us to turn it into an annual event. The following years we met in Ekaterinburg (2012), Novosibirsk (2013), St. Petersburg (2014) and Moscow (2015 - 2017). The main goal of these meetings is to foster collaboration among young scientists and researchers who will be setting the agenda of scientific cooperation between Russia and Germany in the near future.

Research organizations and institutions of higher education of both our countries will be presenting their funding programmes and describing the platforms that they can offer to both Russian and German PhD students or PostDoctoral researchers. The overarching principle behind these presentations is to facilitate collaboration and to broaden research networks. The week will illustrate how young and experienced scientists can work across borders with local authorities, associations and industry in order to develop new approaches to global challenges.

Together with experts and young scientists, we will discuss particular topics of interest for chemical energy storage and conversion. Given the growing population and rising living standards, the world is faced with an increasing demand for energy. In fact, fossil fuels are not a sustainable resource and the natural reservoirs are limited. In all future scenarios, chemical energy storage and conversion plays a vital role to satisfy the increasing demand for energy. Innovative concepts offer opportunities for new processes without increasing harmful emissions of carbon dioxide (CO<sub>2</sub>). Chemical research is the key for a fundamental understanding of energy conversion and it opens the door to a broad range of future technologies. Special emphasis will be given on the challenges for improved materials and processes and their potential impact on existing and future applications and innovation. The organizers strive for a good mix of participants at different career stages and different fields of expertise that include contributions from Materials Chemistry, Physical Chemistry, Process and Chemical Engineering, and Theory.

We would like to express our deepest gratitude to German-Russian Institute of Advanced Technologies (GRIAT Kazan) and its academic hospitality for its kind support. And, of course, we thank all of you, the participants, for your involvement and cooperation in this conference.

Dr Andreas Hoeschen

Dr Wilma Rethage

German Academic Exchange Service  
Head of DAAD Office Moscow  
Director of DWIH Moscow

German Research Foundation  
Head of DFG Office Moscow

<b>September 10, Monday</b>		
	Arrival of Participants, Transfer to the hotel, Check-in	
20:30	<b>Welcome Party</b>  <b>Words of Welcome</b> to the participants of the week by <ul style="list-style-type: none"> <li>• Dr Andreas Hoeschen, DWIH/DAAD Moscow</li> <li>• Dr Wilma Rethage, DFG Russia/CIS</li> <li>• Professor Dr Albert Gilmutdinov, KNITU-KAI</li> <li>• Introduction of the participants</li> </ul>	<b>by invitation</b>  Hotel
<b>September 11, Tuesday</b>		
09:00	Transfer from the Hotel to GRIAT	by bus
10:00	Registration of Participants	
10:30	<b>Official Opening of the Week</b> with welcome addresses by <ul style="list-style-type: none"> <li>• Professor Dr Albert Gilmutdinov, Rector of KNITU-KAI</li> <li>• NN, Embassy of the Federal Republic of Germany in Moscow</li> <li>• Professor Dr Roland Fischer, Vice President of the DFG Technical University of Munich</li> <li>• Christian Müller, Deputy Secretary General of the DAAD</li> </ul>	
11:30 – 12:15	<b>Opening Lecture</b> “Electroactive MOF-derived Nanocomposites for Water-Splitting, Fuels Cells and Battery Applications”  <b>Professor Dr Roland Fischer,</b> Vice President of the DFG, Technical University of Munich, Department of Chemistry  – <i>Discussion</i> – (12:15-12:30)	

12:30	Conference Group Photo	
12:40	Press Conference	
13:00	Lunch Break	
14:00	<b>Presentation of GRIAT</b>  Alsu Gilmetdinva, Director of GRIAT / Dr Sven Rost, Director of GRIAT	
14:30	<b>Lecture</b> (45 Min + 15 Min Discussion): Ion-Li Batteries  <b>Dr Nina Kosova</b> Novosibirsk  – <i>Discussion</i> –	
15:30	Coffee Break	
16:00-18:00	<b>Short Lectures of Young Researchers</b> 15+5 Min  Chair:	
18:00	Transfer to the Hotel	
19:30	Cultural Programme ( <i>Boat Trip and Dinner tbc</i> )	
<b>September 12, Wednesday</b>		
08:00	Transfer from the Hotel	
09:00	<b>Lecture</b>  <b>Professor Dr Evgeny Antipov,</b> Moscow State Lomonosov University  – <i>Discussion</i> –	
10:00	<b>Lecture</b>  <b>Professor Dr Malte Behrens,</b> University of Duisburg Essen  – <i>Discussion</i> –	

11:00	Coffee Break	
11:30	<b>Lecture</b> <b>Professor Dr Wolfgang Bensch,</b> University of Kiel  <i>– Discussion –</i>	
12:30	<b>Lecture</b> “Advanced Energy Storage: Challenges and Prospects”  <b>Keith Stevenson</b> Skoltech  <i>– Discussion –</i>	
13:30-14:30	<b>Lunch Break</b>	
14:30	<b>Short Lectures of Young Researches</b>  <i>Chair:</i>	
15:30	<b>Presentations of the Member Organisations of the DWIH</b> (Deutsches Wissenschafts- und Innovationshaus / German Centre for Research and Innovation)  Dr Andreas Hoeschen, Director	
16:00	Science Café with the Funding and Research Organisations  (DFG, DAAD, HGF, AvH, FU Berlin, RSF, RFBR, Springer)	
17:00	<b>Short Lectures of Young Researches</b>	
18:00	Transfer to the Hotel	
19:00	<b>Evening Reception by the DWIH-Moscow (German Centre for Research and Innovation)</b>	
<b>September 13, Thursday</b>		
08:15	Transfer from the Hotel	
09:00	<b>Science – Business – Innovation</b>	

	<b>Dr Martin Gitsels (tbc)</b> Director of the Department of Science and Technology, Siemens	
09:30	<b>Lecture</b>  <b>Professor Dr Jürgen Behm</b> University of Ulm  – Discussion –	
10:30	Coffee Break	
11:00	<b>Short Lectures of Young Researches</b>  Chair:	
12:00	<b>Lecture</b>  <b>Professor Dr Franziska Scheffler</b> University of Magdeburg  – Discussion –	
13:00	Lunch Break	
14:00	<b>Lecture</b>  <b>Professor Dr Roger Gläser,</b> University of Leipzig, Institute of Chemical Technology  – Discussion –	
15:00	<b>Lecture</b>  <b>Dr Oleg Levin</b> St. Petersburg State University  – Discussion –	
16:00	Coffee Break	
16:30	<b>Lecture</b> <b>NN, Kazan</b>  – Discussion –	
17:30	<b>Closing Remarks</b>	
18:00	Transfer to the Hotel	

September 14, Friday		
	Falling Walls Lab <i>(optional)</i>	<i>Kazan Federal University</i>
	Departure	