



Module

German-Russian Travelling Seminar

Part I. Summer school

28th July – 10th August 2019

Irkutsk, Lake Baikal, Novosibirsk, Moscow

Part II. Seminar

tba

Room PNS, 5.1.00.001, University of Bayreuth

Application deadline: 15th March 2019

SS 2019

The 9th “**German-Russian Travelling Seminar**” is a summer school module in SS 2019 within the Elite Study Program “Macromolecular Science”. The Travelling Seminar is a series of German-Russian summers schools, alternately taking part in Russia and Germany/Europe, along the topical outline of nanoparticles, scattering methods and large-scale research facilities. The module as embedded in the Elite Study Program consists of 2 parts, i.e. the participation in the summer school and a seminar afterwards.

I. The Travelling Seminar

28th July – 10nd August 2019

The Travelling Seminar 2019 brings together ca. 12 German and 12 Russian students, who travel to different Russian cities and research institutes accompanied by 2 Russian and 2 German professors. The preliminary program is outlined in the table below.

Day No.	Day	Place	Activity
0	SUN 28.07.19		Departure to Irkutsk
1	MON 29.07.19	Irkutsk	Arrival to Irkutsk Welcome dinner in the evening
2	TUE 30.07.19	Irkutsk	TS-2019 opening session Institute for laser physics SB RAS
3	WED 31.07.19	Baikal	Scientific talks and cultural activity
4	THU 01.08.19	Baikal	
5	FRI 02.08.19	Baikal	
6	SAT 03.08.19		Transfer to Irkutsk for departure to Novosibirsk
7	SUN 04.08.19	Train	Trans-Siberian Train to Novosibirsk
8	MON 05.08.19	Novosibirsk	Institute for Catalysis SB RAS
9	TUE 06.08.19	Novosibirsk	Institute for nuclear physics SB RAS
10	WED 07.08.19	Moscow	Flight to Moscow Bus-tour in Moscow
11	THU 08.08.19	Moscow	Moscow State University
12	FRI 09.08.19	Moscow	Kurchatov scientific center Closing session Farewell dinner
13	SAT 10.08.19		Departure

At each institution, leading scientists from different fields will give lectures. Talks will, amongst others, cover the synthesis of nanoparticles, the characterization of their physico-chemical properties to possible applications, touching aspects such as nanotoxicology. The accompanying professors will give insight into different scattering techniques, covering small angle X-ray scattering, pair distribution function analysis, X-ray absorption spectroscopy and eventually dynamic scattering theory. The use of large-scale research facilities to extend research possibilities and results beyond laboratory analytical tools will be discussed.

Every participant of the Travelling Seminar has to contribute a talk (15 min talk + 15 min discussion) which suits the topic of the Travelling Seminar. The language of the seminar is English.

The accommodation and transportation of all participants is covered by funding through the BMBF (Bundesministerium für Bildung und Forschung), the Elitenetwork Bavaria, the Ural Branch of the Russian Academy of Sciences (UB-RAS) and UrFU (Ural Federal University, Russia). The organization is carried out by Prof. M. Zobel (Inorganic Chemistry, University Bayreuth), Prof. A. Magerl (Institute of Biophysics, Friedrich-Alexander-University Erlangen-Nürnberg) and Prof. A. A. Rempel (Institute of Solid State Chemistry/UB-RAS, Ekaterinburg, Russia).

The Travelling Seminar is open to 3rd year BSc, MSc and 1st year PhD students from chemistry, physics, material science, nanotechnology, engineering, or similar.

The application includes a motivation letter for the participation and a CV, suggesting a prospective title of the contributed talk. German applicants shall address their application to Prof. M. Zobel, mirijam.zobel@uni-bayreuth.de. The participants will be chosen from all German applications by a committee of German professors. The applications from ENB students underlie the general selection process.

The website of the Travelling Seminar is www.travellingseminar.uni-bayreuth.de.

Application deadline: 15th March 2019

II. Seminar

Date to be fixed, Room PNS, 5.1.00.001, University of Bayreuth

The ENB students participating in the Travelling Seminar shall give a seminar on the summer school back in Bayreuth. The seminar shall cover a wrap-up of the program and the shared experiences. Additionally, each student shall pick one scientific highlight, i.e. a measurement technique or a synthesis route, which he/she presents in greater depths.

Please consult Prof. M. Zobel for any queries.