

RCCT-2017 summary and decisions

1. XXI International Conference on Chemical Thermodynamics in Russia (RCCT-2017) as well as School-Conference on Chemical Thermodynamics for Young Scientists were held from 26th to 30th of June, 2017 at the Technopark of the Novosibirsk Akademgorodok (Akademgorodok, Novosibirsk, Russia). Conference participants have acknowledged the high organizational and scientific level of the event.

2. The main organizers of RCCT-2017 were the Nikolaev Institute of Inorganic Chemistry SB RAS (NIIC SB RAS), the Technopark of the Novosibirsk Akademgorodok (Akademgorodok) and the Novosibirsk State University (NSU).

3. The Conference was supported by the Federal Agency of Scientific Organizations (FASO), the Russian Foundation for Basic Research (RFBR) and the Mendeleev Russian Chemical Society.

4. Support of leading manufacturers and suppliers of the thermoanalytic equipment such as Mettler-Toledo, SETARAM / KOMEF, and NETZSCH have significantly contributed to the success of the conference.

5. 340 scientists took a part in the RCCT-2017. Among them 282 participants came from different parts of Russia (Moscow, St. Petersburg, Ivanovo, Novosibirsk, Samara, Yekaterinburg, Tver, Makhachkala, Chelyabinsk, Ufa, Tomsk, Omsk, Saratov, Krasnoyarsk, Chita, Perm, Kazan, Novomoskovsk, Tyumen, Biysk) as well as 58 foreign scientists - from the countries of Europe (Germany, Great Britain, France, Switzerland, Sweden, Finland, Italy, Romania, Hungary), USA, Africa (the Republic of South Africa, Algeria), Southeast Asia (China, Taiwan, Thailand) and CIS countries (Azerbaijan, Armenia, Belarus, Ukraine, Kazakhstan).

6. During the conference 12 plenary, 14 invited, 88 oral and 134 poster contributions were presented at 5 sessions on the following topics:

- General problems of chemical thermodynamics
- Thermochemistry and databases
- Thermodynamics of solutions and heterogeneous systems
- Thermodynamics of surface phenomena and self-organization phenomena in fluid systems
- Applied aspects of chemical thermodynamics

Special attention has been paid for motivation of the young scientists. The Young Scientists School as the special section was held within the framework of the conference and three lectures of the well-established scientists were combined with the oral and poster presentations of the young researchers.

7. Best contributions were awarded by the OrgCommittee and the NETZSCH prizes.

Category «Best Posters»

I place

Ksenia Oleinik, Institute of Metallurgy, Ural Branch of the RAS, Yekaterinburg, Russia

Evgeniya Vikulova, Nikolaev Institute of Inorganic Chemistry SB RAS, Novosibirsk, Russia

II place

Svetlana Kurdakova, Lomonosov Moscow State University, Moscow, Russia

Ekaterina Morozova, Kurnakov Institute of General and Inorganic Chemistry, RAS, Moscow, Russia

Alina Koneva, St. Petersburg State University, St. Petersburg, Russia

Special prize for the excellent results and perspective scientific work:

Ksenia Karakovskaya, Nikolaev Institute of Inorganic Chemistry SB RAS, Novosibirsk, Russia

Category “Best Oral Presentations”

I place

Denis Rychkov, Novosibirsk State University, Institute of Solid State Chemistry and Mechanochemistry, SB RAS, Novosibirsk, Russia

II place

Anastasiya Sizova, Institute of Chemistry, St. Petersburg State University, St. Petersburg, Russia

Maria Sineva, Joint Institute for High Temperatures, RAS, Moscow, Russia

Azat Tipeev, Institute of Thermal Physics, UB RAS, Yekaterinburg, Russia

Alexandra Grekova, Boreskov Institute of Catalysis, SB RAS, Novosibirsk, Russia

Certificate of Excellence

Vitaly Kiselev, Novosibirsk State University, Institute of Chemical Kinetics and Combustion, SB RAS, Novosibirsk, Russia

Denis Milakhin, A.V. Rzhanov Institute of Semiconductor Physics, SB RAS, Novosibirsk, Russia

Ruslan Nagrimanov, Alexander Butlerov Institute of Chemistry, Kazan, Russia

Anastasia Rybinskaya, Novosibirsk State University, Novosibirsk, Russia

Kseniya Konfederatova, A.V. Rzhanov Institute of Semiconductor Physics, SB RAS, Novosibirsk, Russia

Erik Temmel, Max Planck Institute for Dynamics Complex Technical Systems, Magdeburg, Germany

Pavel Popovetskiy, Nikolaev Institute of Inorganic Chemistry, SB RAS, Novosibirsk, Russia

The participants of the conference have expressed their deep gratitude to the organizers: NIIC SB RAS, NSU and Akadempark for the excellent organization of meetings, poster sessions, excursions to the research institutes of the Novosibirsk Akademgorodok, as well as for the selection of outstanding foreign scientists for the keynote and plenary lectures.

It was decided:

1. Acknowledge the high scientific level and practical significance of the conference contributions.

2. Continue to attract the special attention for increasing of the number of the young participants of the future conferences.

3. Acknowledge the effectiveness of the Conference schedule, because the majority of the oral sessions of the main RCCT-2017 and young scientists sections were held on the same days leading to the active communications among young and leading scientists.

4. For the future, it should be paid more attention for organizing of the sections devoted to discussion of thermodynamic research in such topical areas as biology, pharmaceutics, biotechnologies, etc.

5. Continue invitation of manufacturers and suppliers of the scientific equipment to make Russian scientists acquainted with the modern developments of the equipment.

6. Acknowledge the efforts of the Federal Agency of Scientific Organizations, the Russian Foundation for Basic Research and the Mendeleev Russian Chemical Society to provide financial and organizational support to the XXI International Conference on Chemical Thermodynamics in Russia (RCCT-2017) in Novosibirsk.

7. Acknowledge the work of the conference as successful and fruitful

9. Suggest the St. Petersburg State University (St. Petersburg, Russia) as the host of the next XXII International Conference on Chemical Thermodynamics in Russia (RCCT-2019).