

VI Annual Conference RASA-USA

PROGRAM

Saturday, November 7, 2015

George Washington University Science and Engineering Hall

800 22nd Street NW, Washington DC

9:00 Opening of the First Day of the Conference

9:00 – 9:15 Activity of RASA-USA - Nikolay Vasilyev, President of RASA-USA (Boston Children's Hospital, Harvard Medical School)

9:15 – 9:45 Welcome address by the Minister of Education and Science of the Russian Federation - Dmitry Livanov

9:45 – 11:15 Panel discussion: New initiatives for cooperation with Russian-speaking scientific diaspora (Moderator – Alexey Sitnikov, Skolkovo Institute of Science and Technology)

9:45 – 10:15 Joint presentation of the Report prepared by the Russian International Affairs Council, the New Eurasia Foundation, "Inconsult K" LLC and RASA – “Development of cooperation with Russian-speaking scientific diaspora: experience, problems and perspectives” – Irina Dezhina (Skolkovo Institute of Science and Technology)

10:15 – 10:45 Program “Global Education” – Alexey Sitnikov (Skolkovo Institute of Science and Technology)

10:45 – 11:00 Project 5-100 – Nadezhda Polikhina (Project Office 5-100)

11:00 – 11:15 RASA – ANO NDT: promotion of cooperation between Russian universities and foreign partners in science, education and innovation – Nargis Valamat-Zade (the New Eurasia Foundation / ANO “New Development Technologies”)

11:15 – 11:30 Coffee break

11:30 – 13:00 Scientific session 1 (Moderator – Valery Fokin, University of Southern California)

11:30 – 12:00 Mysteries and capabilities of the human brain – Vladimir Zelman (University of Southern California)

12:00 – 12:30 Future of implantable cardiac devices – Igor Efimov (George Washington University)

12:30 – 13:00 Trust, but verify: the need to check the quality of the data before modeling – Alexander Tropsha (University of North Carolina at Chapel Hill)

13:00 – 14:00 Lunch break

14:00 – 15:30 Panel discussion. Commercialization of academic research results (Moderator – Eugene Kuznetsov, OJSC "Russian Venture Company")

Dan Davison (American Councils for International Education)

Yakov Korkhin (SciTech Legal PC)

Alexey Sitnikov (Skolkovo Institute of Science and Technology)

Victor Taratukhin (Stanford University)

Kendrick White (Marchmont Capital Partners)

15:30 – 15:45 Coffee break

15:45 – 17:45 Scientific session 2 (Moderator – Alexander Kabanov, University of North Carolina at Chapel Hill)

15:45 – 16:15 Designing structures for additive fabrication – Denis Zorin (New York University)

16:15 – 16:45 The mechanisms of aging – Vadim Gladyshev (Brigham & Women's Hospital, Harvard Medical School)

16:45 – 17:15 How tissue engineering could help in the fight against cardiac arrhythmias? – Konstantin Agladze (Moscow Institute of Physics and Technology)

17:15 – 17:45 HIV infection and metabolism of cholesterol: why HIV infection leads to high risk of cardiovascular disease– Michael Buckrinsky (George Washington University)

17:45 – 18:00 Summary of the First Day of the Conference.

19:00 – 21:00 Gala Reception at the Embassy of the Russian Federation (buses depart from the hotel Westin Georgetown at 18:45, returning from the Embassy at 21.30)

Sunday, November 8, 2015

George Washington University Science and Engineering Hall

800 22nd Street NW, Washington DC

9:00 Opening of the Second Day of the Conference

9:00 – 9:15 Welcome address by the Ambassador of the Russian Federation in the United States - Sergey Ivanovich Kislyak

9:15 – 10:45 Panel discussion. US-Russian scientific and technical cooperation (Moderator - Lyudmila Ogorodova, Ministry of Education and Science of the Russian Federation)

George Herrfurth (Fogarty International Center, National Institutes of Health)

Elena Koustova (National Institute on Drug Abuse, National Institutes of Health)

Olga Kochetkova (Ministry of Economic Development of the Russian Federation)

Maija Kukla (National Science Foundation)

Alexander Sharov (Russian Foundation for Basic Research)

10:45 – 11:00 Coffee break

11:00 – 13:00 – Joint Scientific Session RASA-USA, George Washington University and American Physical Society (Moderator – Vladimir Shiltsev, Fermi National Accelerator Laboratory)

11:00 – 11:05 George Gamow Session opening address – Amy Flatten (APS, International Affairs), Vladimir Shiltsev (Fermi National Accelerator Laboratory)

11:00 – 11:20 George Gamow scientific legacy and years at GWU – William Briscoe (George Washington University)

11:20 – 12:00 Remembering my father – Igor Gamow (University of Colorado)

12:00 – 12:25 Modern Physics “Puzzles” – Vladimir Shiltsev (Fermi National Accelerator Laboratory)

12:25 – 12:50 Recent discoveries in astrophysics and cosmic rays - Igor Moskalenko (Stanford University)

12:50 – 13:00 George Gamow Session closeout

13:00 – 14:00 Lunch break

14:00 – 16:00 Scientific session 4 (Moderator – Igor Efimov, George Washington University)

14:00 – 14:30 Complexity – is it complicated? – Edward Crawley (Skolkovo Institute of Science and Technology)

14:30 – 15:00 Multiscale modeling of materials: From surface nanostructuring in laser processing to carbon nanotube networks – Leonid Zhigilei (University of Virginia)

15:00 – 15:30 Measuring utility of sociality, a neuroeconomic study – Michael Myagkov (University of Oregon)

15:30 – 16:00 Russia cannot be grasped with the mind. Once again about the "peculiar character" – Yuri Slezkine (University of California, Berkeley)

16:00 – 16:15 Coffee break

16:15 – 17:45 Open panel discussion. Development of RASA-USA and future projects of the Association (Moderator - Nikolay Vasilyev, Boston Children's Hospital, Harvard Medical School)

Elena Atochina-Vasserman (University of Pennsylvania)

Sergey Chasovskikh (Georgetown University)

Edward Lozansky (American University in Moscow)

Oleg Mansurov (NUST MISiS)

Tatyana Tatarchevsky (RASA Online, University without borders)

17:45 – 18:00 Summary of the Second Day of the Conference and Closing Ceremony

19:00 – 21:00 Reception at the One Washington Circle Hotel

Monday, November 9

(Previously registered participants)

9:00 – 11:00 Tour of the National Institutes of Health (Lyuba Varticovski, National Cancer Institute, National Institutes of Health)

The bus leaves at 8:00 from Westin Georgetown Hotel

9:00 – 11:00 Tour of the US Senate

The bus leaves at 8:00 from the Westin Georgetown Hotel

The bus leaves at 11:15 from National Institutes of Health

The bus leaves at 11:15 from US Senate

12:30 – 13:30 Lunch, cafe Silk Road Choyhona, 28 Bureau Drive, Gaithersburg, MD 20878

14:00 – 16:00 A visit to the National Institute of Standards and technologies (Albert Davydov, National Institute of Standards and Technologies)

17:00 – Returning to the hotel Westin Georgetown