



Public Lecture Invitation

Professor Dr. Pavel Kabat, Director General and CEO of IIASA, and Professor Anton Zeilinger, President of the Austrian Academy of Sciences (ÖAW), have the pleasure to invite you to this upcoming special public event.

Extreme States of Matter on Earth and in Space

By **Academician Vladimir Fortov**, President of the Russian Academy of Sciences and Director of the Joint Institute for High Temperature of the Russian Academy of Sciences

on: Tuesday 13 September 2016

18:30 Lecture

20:00 Reception

Venue: Austrian Academy of Sciences, Festive Hall, Doktor-Ignaz-Seipel-Platz 2, 1010 Vienna

Please RSVP via email to Tom Danaher (danaher@iiasa.ac.at) or Marie-Therese Pitner (pitner@oeaw.ac.at)

ÖAW

AUSTRIAN
ACADEMY OF
SCIENCES

Extreme States of Matter on Earth and in Space

In this public lecture, organized by IIASA and the Austrian Academy of Sciences, Academician Vladimir Fortov will provide a remarkable insight into the unusual forms and behavior of matter under extremely high pressures and temperatures. Fortov will discuss the extreme states of matter, generated by strong shock explosions, detonation, electrical explosions, waves, intense laser, electron and ion beams, and other experimental methods characterized by extremely high pressures and temperatures.

As one of Russia's leading physicists and a world expert in the physics of matter under extreme conditions, Fortov's lecture will inform and fascinate on the topic of plasma-, shock-wave, and high-energy-density physics.

Vladimir Fortov is President of the Russian Academy of Sciences, which is the IIASA National Member Organization representing the Russian Federation. He is also Director of the Joint Institute for High Temperatures of the Russian Academy of Sciences. Fortov and his Institute participated in the international Russian, French, German, Hungarian Space project VEGA - investigation of Halley comet.

He was awarded many prizes, including the A.P. Karpinsky International Scientific Award in Physics and Chemistry, the P. Bridgeman Prize for Achievements in High Pressure Physics, and the Max-Planck Award in Physics for Pioneering Investigations of Strongly Coupled Plasmas. He was the Minister of Science and Technology and Deputy Prime Minister of Russia from 1996 to 1998. Academician Fortov is also a Foreign Member of the US National Academy of Engineering, UK Royal Academy of Engineering, Sweden's Royal Academy of Engineering Sciences, Norwegian Academy of Sciences, Royal Academy of Engineering of Spain, US National Academy of Sciences, European Academy of Sciences and Arts, and National Academy of Sciences of the Republic of Kazakhstan.