



Roald Zinnurovich Sagdeev



Date of Birth 26 December 1932

Place Moscow (Russia)

Nomination 4 October 1990

Field Physics

Title Professor

Professional address

University of Maryland

Department of Physics and Astronomy

A.V. Williams Building, RM. 3373

College Park, MD 20742-4111 (USA)

Most important awards, prizes and academies

Awards: Lenin Prize (1984); Hero of Socialist Labour (1986); Tate Medal, American Institute of Physics (1992); Science for Peace, Italy (1994); Leo Scillard Award, American Physical Society (1994); Von Karman Lectureship Award, American Institute of Aeronautics and Astronautics (2001); Hannes Alufen Memorial Lectureship, Sweden (2001); Maxwell Prize, American Physical Society (2001); Order of the October Revolution; Order of the Red Banner; Carl Sagan Memorial Award (2003). *Academies:* Russian Academy of Sciences; Council of Dirs. Int. Fund for Survival and Devt. of Mankind; National Academy of Sciences, USA; American Academy of Arts and Sciences, USA; Royal Swedish Academy; Royal Astronomical Society, UK; Max Planck Society; International Academy of Astronomics; Hungarian Academy of Sciences; Czech Academy of Sciences; Third World Academy; Pontifical Academy of Sciences. *Honorary Degrees:* UCLA; New York University; University of Michigan; Toulouse University, France; Technical University of Graz, Austria. USSR People's Deputy (1989-91).

Summary of scientific research

He began his studies in atomic energy, becoming Head of the Lab. Inst. of Nuclear Physics, Siberian Dept., Academy of Sciences (1961-70). After continuing his interests in nuclear physics he turned increasingly to high temperature physics and space research, being Director of the USSR Space Research Institute (1973-88). At a more detailed level he is a specialist in global warming, plasma physics, controllable thermonuclear synthesis, and cosmic ray physics.

Main publications

A large number of books and articles in Russia and abroad on his principal areas of scientific research.