

CURRICULUM VITAE

Yuzef D. Zhugzhda

Affiliation and Address

Institute of Terrestrial Magnetism, Ionosphere, and Radiowave Propagation
of the Russian Academy of Sciences (IZMIRAN),
142190 Troitsk, Russia
Email: YZhugzhda@mail.ru
Phone: ++7-495-151 50 24
Fax: ++7-495-334 01 24

Personal

Birth date: September 4, 1936

Current Position

Head of the Laboratory of Helioseismology, Institute of Terrestrial Magnetism,
Ionosphere, and Radiowave Propagation of the Russian Academy of Sciences
(IZMIRAN), Russia

Education

1968 Ph.D., Sternberg Astronomical Institute of Moscow University
1959 M.S., Moscow Institute of Physics and Technology (State University)

Titles

1994 Full Professor Diploma, Russian Academy and Supreme Certification Committee
of the Russian Federation
1985 Habilitation Thesis for physics and mathematics, Ioffe Physico-Technical Institute,
Russian Academy of Sciences, St. Petersburg (Leningrad)
1980 Associate Professor Diploma, Russian Academy and Supreme Certification
Committee of the Russian Federation

Positions Held

2000 Visiting Professor, Katolieke Universiteit Leuven, Belgium
1999 Visiting Gauss-Professor, Georg-August-Universität Göttingen
1999 Visiting Professor, Katolieke Universiteit Leuven, Belgium
1996-1997 Visiting Professor as a Humboldt Research Prize Awardee,
Kiepenheuer-Institut für Sonnenphysik, Freiburg, Germany
1997-today Head of the Laboratory of Helioseismology, IZMIRAN
1994-1997 Main Research Fellow of the Institute, IZMIRAN
1989-1994 Head of the Department of Space Electrodynamics, IZMIRAN
1983-1989 Head of the Laboratory of Solar Electrodynamics, IZMIRAN
1976-1983 Senior Research Fellow, Laboratory of the Active Sun, IZMIRAN
1967-1976 Research Fellow, same laboratory
1964-1967 Ph.D. student, IZMIRAN
1959-1964 Research Fellow, Institute of Radioengineering and Electronics of the
Russian Academy of Sciences (IRE), Moscow, Russia
1957-1959 Diplom (M.S.) student, IRE

- 1955-1959 Visiting student, IRE
 1953-1959 Student, Moscow Institute of Physics and Technology, Russia

Projects Activities

- 2006-today Principal Investigator of the space helioseismology experiment SOKOL on the CORONAS-FOTON satellite
 2004-today Principal Investigator of the space helioseismology experiment FOTOSCOP on the solar probe INTERHELIOS satellite
 1994-1997 Project Scientist, INTAS-93-4, joint Russian-European Project "Dynamics of Magnetic Flux Tubes in Space Plasmas"
 1986-1994 Deputy Project Scientist of the Russian space laboratory CORONAS, launched in 1994
 1986-1994 Principal Investigator of the space helioseismology experiment DIFOS on the CORONAS satellite

Teaching

Teaching of Ph.D. students as an Associate, and then as a Full Professor. In addition to teaching Ph.D. students from different regions of Russia (Far East, Novgorod, Irkutsk), I participated in the special Program of the Russian Academy of Sciences for teaching Ph.D. students from the former Republics of the USSR. I taught Ph.D students from the Baltic Republics, Georgia, and Azerbaijan.

Professional Societies

- 1965-today Russian Astronomical Society
 1978-1990 Member of the Board of the Solar Section and Chairman of the Solar Oscillation Working Group
 1985-today Solar Physics Section of the European Physical Society and European Astronomical Society
 1986-1992 Member of the Board
 1976-today International Astronomical Union

Awards

- 1995 Humboldt Research Award, Germany
 1994 Korolev Medal for Space Explorations, Russia
 1982 State Award of the USSR for the exploration of Solar Plasma Dynamics

Fields of Research

- Solar physics:* Helioseismology; waves in sunspots; waves in the solar photosphere, chromosphere and corona; dynamics of the granulation; heating of the solar atmosphere; radiative transfer; spicules.
Physics of waves: linear waves in stratified atmospheres; nonlinear shock waves in magnetic flux tubes; wave vortices; analytic signal concept.
General astrophysics: asteroseismology.