

Resume-CV

Professor Sergey A. Rashkovskiy



Research Area and Experience

- Aluminum and boron particles agglomeration in combustion of solid propellants
- Steady and non-steady combustion of solid propellants
- Combustion of heterogeneous and disperse systems
- Solid rocket propulsion
- Ramjet and scramjet propulsion

Education / Theses

- 2004 Doctor of Sciences in Physics and Mathematics, Semenov Institute of Chemical Physics, Moscow, Russia. Thesis Title: Statistical Simulation of Combustion of Heterogeneous Energetic Materials
- 1989 PhD in Aerospace Engineering, Bauman Moscow High Technical School, Moscow, USSR. Thesis Title: Effect of Grain Heterogeneity on Solid Rocket Motor Performances
- 1980 M.S. in Mechanical and Aerospace Engineering, Bauman Moscow High Technical School, Moscow, USSR.

PUBLICATIONS: authored more than 200 papers and scientific reports, including more than 150 refereed journal papers, 1 book, 4 book chapters and 17 patents.

Positions

- 2002-present Principal researcher, Ishlinsky Institute for Problems in Mechanics of the Russian Academy of Sciences, Laboratory of Thermogasdynamics and Combustion, Moscow, Russia
- 2010-present Professor, Bauman Moscow State Technical University, Department of Thermal Physics, Moscow, Russia
- 2000-present Professor, "Dubna" University, Department of New Materials and Technologies, Moscow Region, Russia
- 1980-2002 Head of sector, Moscow Institute of Heat Technology, Department of Solid Rocket Motors, Moscow, Russia