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PROFESSIONAL APPOINTMENTS:

Center for Integrated Plasma Studies, University of Colorado at Boulder:

Director 2017 – present

Institute for Advanced Study, Princeton:

Junior Visiting Professor 2016-2017

University of Colorado at Boulder:

Associate Professor Aug. 2016 – present

University of Colorado at Boulder:

Assistant Professor Aug. 2009 – July 2016

Princeton University:

Research Staff Member (Associate Research Scholar) Sept. 2004 – Aug. 2009

Kavli Institute for Theoretical Physics, Santa Barbara:

Postdoctoral Member Sept. 2001 – Aug. 2004

University of Chicago:

Postdoctoral Research Associate Sept. 1998 – Aug. 2001

Princeton University:

Graduate Research Assistant (Princeton Plasma Physics Lab) Sept. 1993 – Aug. 1997

EDUCATION:

Princeton University:

Ph.D., Astrophysical Sciences Sept. 1998

Ph.D. Thesis: “Theoretical Study of Magnetic Reconnection” (*Advisor:* Prof. Russell M. Kulsrud)

Moscow Institute of Physics and Technology (MIPT):

M.S. *summa cum laude* in Plasma Physics and Chemistry June 1993

Master Thesis: “The Influence of Polarization Currents on the Edge Plasma Turbulence in Tokamaks” (*Advisor:* Prof. A.V. Nedospasov)

TEACHING EXPERIENCE:

- Associate Professor, Physics Department, Univ. Colorado Boulder since Aug. 2016
- Assistant Professor, Physics Department, Univ. Colorado Boulder 2009 - 2016
- Invited Lecturer, Winter School “The Future of Plasma Astrophysics”, Les Houches, France Feb.-Mar. 2013
- Invited Lecturer, CMPD/CMSO Winter School on Plasma Physics, UCLA Jan. 2008
- Teaching Assistant, *Waves and Instabilities in Plasma*, Princeton University Fall 1996
- Grader in *Physics* and *Maths*, MIPT’s Physics School for high-school students 1987-1988
- Coordinator, MIPT’s High-School Student Outreach Program 1988-1990

PROFESSIONAL SOCIETIES:

- American Astronomical Society (incl. High-Energy Astrophysics and Solar Physics Divisions)
- American Physical Society (including Division of Astrophysics, Division of Plasma Physics, and Topical Group on Plasma Astrophysics); APS Fellow since 2015.

LANGUAGES:

- Fluent English and Russian, some German

SCIENTIFIC INTERESTS:

Theoretical Plasma Physics and Plasma Astrophysics, including:

- Magnetic Reconnection and its Role in Astrophysical Plasmas
- Radiative Plasma Astrophysics
- Quantum Plasma Physics
- Accretion Disks, their Coronae and Jets
- Magnetospheres of Neutron Stars and Black Holes
- Central Engines and Jets of Gamma-Ray Bursts

SERVICE TO SCIENTIFIC COMMUNITY:

- Associate Editor, *Journal of Plasma Physics* 2015-present
- Member, *APS GPAP Fellowship Nominating Committee* 2019
- Member, Scientific Organizing Committee, *MR-2018 US-Japan Workshop on Magnetic Reconnection* (Sept. 4-8, 2018, Princeton, NJ) 2018
- Member, Scientific Organizing Committee of HEDLA XI Conference 2016
- Member, Scientific Organizing Committee, 1st, 2nd, and 3rd *Purdue Workshops on Relativistic Plasma Astrophysics* 2014, 2016, 2018
- Member, Scientific Organizing Committee of JSI Workshop *Nature's Particle Accelerators* (Oct. 22-25, 2012, Annapolis, MD) 2012
- Chair, *Panel on Space & Astrophysical Plasmas*, APS DPP Program Committee 2012
- Member, *APS Marshall Rosenbluth Outstanding Doctoral Thesis Award Committee* 2012
- Co-organizer, Workshop on Kinetic Reconnection at the Programme *on Gyrokinetics in Laboratory and Astrophysical Plasmas*, Isaac Newton Inst. for Mathematical Sciences, Cambridge, UK Aug. 2010
- Chair, *APS GPAP Nominating and Program Committees* 2009
- Chair, Local Organizing Committee, *2008 General Meeting of the NSF Center for Magnetic Self-Organization* July 2008
- Organized a Session on Plasma Astrophysics at the *APS April 2008 Meeting* 2007 – 2008
- Member, *NSF Plasma Physics Review Panel* Mar. 2008
- Reviewed postdoctoral applications for *NASA Postdoctoral Program* Dec. 2007
- Co-organized the *2007 US-Japan Magnetic Reconnection Workshop* March 2007
- Executive Committee Member, APS Topical Group on Plasma Astrophysics 2006 – 2009
- Coordinated the *KITP Theoretical Astrophysics Seminar* Jan. 2003 – May 2004
- Co-organized two *Theoretical Astrophysics in Southern California Meetings* 2002, 2003
- Initiated a special session, *Aspen Workshop on Magnetic Reconnection* June 2003
- Referee for *Astrophys. J.*, *Mon. Not. Roy. Astron. Soc.*, *Astron. & Astrophys.*, *Phys. Plasmas*, *J. Plasma Phys.*, *J. Geophys. Res.*, *Phys. Rev. Lett.*, *Rev. Mex. A&A*.

PUBLICATIONS, CITATIONS, INVITED PRESENTATIONS:

- *Source: Google Scholar:* ~ 75 publications in peer-reviewed journals, 4083 total citations, 33 papers with more than 50 citations, h-index = 37.
- *Source: NASA ADS:* 74 publications in peer-reviewed journals, 3410 total citations, 27 papers with more than 50 citations, h-index = 35.
- *Source: Thompson-Reuters Web of Knowledge:* 72 publications in peer-reviewed journals, 2932 total citations, 24 papers with more than 50 citations, h-index = 34.
- > 100 invited presentations (seminars, colloquia, conference talks, winter school lectures).