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RESEARCH EXPERIENCE	<i>Harvard University</i> , Cambridge, Massachusetts Professor of Physics	2005 - present
	<i>Harvard University</i> , Cambridge, Massachusetts Assistant Professor of Physics	2001 - 2004
	<i>Harvard University</i> , Cambridge, Massachusetts Junior Fellow, Harvard Society of Fellows	1999 - 2001
	<i>Institute for Theoretical Physics</i> , Santa Barbara, California Post-Doctoral Fellow	1998 - 1999
	<i>P.N. Lebedev Physics Institute</i> , Moscow, Russia Diploma student	1991 - 1993
EDUCATION	<i>Stanford University</i> , Stanford, California Ph.D. in Theoretical Physics. Advisor S.C. Zhang	1993 - 1998
	<i>Moscow Institute of Physics and Technology</i> , Moscow, Russia M.S. Degree in Theoretical Physics	1988 - 1993
RESEARCH INTERESTS	Strongly correlated electron systems: high temperature superconductors, organic superconductors, heavy-fermion materials, quantum antiferromagnets, quantum Hall systems, one dimensional systems. Ultracold atoms. Quantum nonlinear optics. Nonequilibrium dynamics of quantum many-body systems. Open quantum systems. Interplay of disorder and interactions, many-body localization.	
HONORS	Simons Fellowship in Theoretical Physics elected Distinguished Scholar at the Max Planck Institute of Quantum Optics (MPQ), Garching, Germany	2015
	Siemens Research Award, Humboldt Foundation, Germany	2015
	selected as a Thomson Reuters highly cited researcher	2014
	elected Fellow of the American Physical Society	2012
	Johannes Gutenberg lecture award, Mainz, Germany	2006
	National Science Foundation Career Award	2002
	Sloan Fellowship	2002

**OTHER
PROFESSIONAL
ACTIVITIES**

Member of the Harvard-MIT Center for Ultracold Atoms

Member of the Institute for Theoretical Atomic, Molecular, and Optical Physics at Harvard Smithsonian Center for Astrophysics and Harvard University Physics Department

Foreign Associate of the Quantum Materials Program, Canadian Institute for Advanced Research

Member of the International Advisory Board of the Novosibirsk State University

Member of the International Advisory Board of the Russian Quantum Center

**SYNERGETIC
ACTIVITIES**

Organizer of the Aspen Winter Conference on Disorder and Dynamics of Quantum Matter, Jan 2015

Organizer of the Quantum Dynamics of Low-Dimensional Systems Workshop, Sep. 2013, Harvard, Cambridge, MA

Organizer of the Aspen Winter Conference on new directions in cold atoms, Jan. 2012

Organizer of the 1st International Conference on Quantum Technologies, Moscow, Russia, 2011

Organizer, 2008 Conference on Quantum Noise in Correlated Systems, Weizmann Institute of Science, Israel

Organizer, 2007 Workshop on Quantum Phases of Matter, KITPC, Beijing, China

Organizer, 2006 Workshop on Non-equilibrium Phenomena in Strongly Correlated Quantum Systems , ITAMP, Cambridge, Massachusetts

Organizer, 2006 Winter Aspen Conference on Strong Correlations in Ultra-Cold Fermi Systems, Colorado.

Organizer, 2004 Boulder School for Condensed Matter and Materials Physics, Colorado.

Organizer, 2002 Aspen Winter Conference on Condensed Matter Physics, Colorado.

**TEACHING
EXPERIENCE**

Physics 143 (undergraduate). Quantum mechanics

Physics 144 (undergraduate). Symmetries and geometry in quantum mechanics

Physics 167 (undergraduate). Condensed matter physics of modern technologies

Physics 181 (undergraduate). Statistical mechanics and thermodynamics

Physics 195 (undergraduate). Introduction to solid state physics.

Physics 268r (graduate). Physics of strongly correlated electron systems

Physics 284 (graduate). Strongly correlated systems in atomic and condensed matter physics

Applied Physics 295a (graduate). Quantum theory of solids I.

Applied Physics 295b (graduate). Quantum theory of solids II.