

Eugene A. Demler
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RESEARCH EXPERIENCE	<i>ETH Zurich, Switzerland</i> Professor of Theoretical Condensed Matter Physics	2021 - present
	<i>Harvard University, Cambridge, Massachusetts, USA</i> Professor of Physics	2005 - 2021
	<i>Harvard University, Cambridge, Massachusetts, USA</i> Assistant Professor of Physics	2001 - 2004
	<i>Harvard University, Cambridge, Massachusetts, USA</i> Junior Fellow, Harvard Society of Fellows	1999 - 2001
	<i>Institute for Theoretical Physics, Santa Barbara, California, USA</i> Post-Doctoral Fellow	1998 - 1999
	<i>P.N. Lebedev Physics Institute, Moscow, Russia</i> Diploma student	1991 - 1993
EDUCATION	<i>Stanford University, Stanford, California</i> Ph.D. in Theoretical Physics. Advisor S.C. Zhang	1993 - 1998
	<i>Moscow Institute of Physics and Technology, Moscow, Russia</i> M.S. Degree in Theoretical Physics	1988 - 1993
HONORS	Hamburg Prize for Theoretical Physics	2021
	Simons Investigator	2021
	Moore Distinguished Scholar at Caltech	2020
	Hanna Visiting Scholar at Stanford University	2019
	Selected as Highly Cited Researcher by Clarivate Analytics	2017-2020
	Senior Fellow at the Institute for Theoretical Studies ETH Zurich	2015
	Simons Fellowship in Theoretical Physics	2015
	Elected Distinguished Scholar at the Max Planck Institute of Quantum Optics (MPQ), Garching, Germany	2015
	Siemens Research Award, Humboldt Foundation, Germany	2014
	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 Institute for Theoretical Atomic, Molecular, and Optical Physics at Harvard Smithsonian Center for Astrophysics and Harvard University Physics Department

Member of the Harvard-MIT Center for Ultracold Atoms 2008 - 2021

Foreign Associate of the Quantum Materials Program, Canadian Institute for Advanced Research 2011-2018

Member of the International Advisory Board of the Russian Quantum Center

Member of the International Advisory Board of the Novosibirsk State University 2015-2018

**SYNERGETIC
ACTIVITIES**

Organizer of the Conference on Nonequilibrium Superconductivity, Flatiron Institute, NY, 2020

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

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

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

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

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

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

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

Organizer, of the Winter Aspen Conference on Strong Correlations in Ultra-Cold Fermi Systems, Aspen CO, 2006

Organizer of the Boulder School for Condensed Matter and Materials Physics, CO, 2004.

Organizer of the Aspen Winter Conference on Condensed Matter Physics, CO, 2002.

**TEACHING
EXPERIENCE**

Physics 143 (Harvard, undergraduate). Quantum mechanics

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

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

Physics 181 (Harvard, undergraduate). Statistical mechanics and thermodynamics

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

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

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

Applied Physics 295a (Harvard, graduate). Quantum theory of solids I.
Applied Physics 295b (Harvard, graduate). Quantum theory of solids II.
Physics 262 (Harvard, graduate). Statistical Physics
ETH 402-0414-00L (ETH Zurich, graduate) Strongly correlated many-body systems:
from electrons to ultracold atoms to photons. This class was co-taught with A.
Imamoglu