

Vladan Vuletić - Curriculum Vitae

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Lester Wolfe Professor of Physics

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Education:

- 10/92-1/97 Ph.D., Physics, summa cum laude, Ludwig-Maximilians Universität München, Germany, 2/17/1997, Thesis Advisor Prof. T.W. Haensch.
- 10/86-8/92 Physics Diploma (Diplom), (with highest honors), Ludwig-Maximilians-Universität München, Germany, 10/8/1992, Thesis Advisor Prof. T.W. Haensch.

Employment:

- 7/2013- present Lester Wolfe Professor of Physics, MIT.
- 7/2011-6/2013 Professor of Physics, MIT.
- 7/2007-6/2011 Lester Wolfe Associate Professor of Physics (tenured), MIT.
- 7/2004-6/2007 Lester Wolfe Associate Professor of Physics, MIT.
- 7/2003-6/2004 Assistant Professor of Physics, MIT.
- 9/2000-6/2003 Assistant Professor of Physics, Stanford University.
- 9/1997-8/2000 Postdoctoral Researcher with Steven Chu (Lynen postdoctoral fellow 9/97-8/99), Stanford University.
- 2/1997-9/1997 Max-Planck Institute for Quantum Optics, Garching, Germany, Postdoctoral Researcher with Theodor W. Hänsch.
- 10/1992-1/1997 Ludwig-Maximilians Universität München, Germany, Research Assistant with Theodor W. Hänsch

Honors and Affiliations

Arthur L. Schawlow Prize in Laser Science (2025); Serbian Academy of Sciences, Foreign Member (2024); Fellow of the AAAS (2024); Rosen Peres Distinguished Lecturer in Quantum Science and Technology, Technion, Israel (2023); Tesla Spirit Award, Serbia (2023); Clarivate Highly Cited Researcher (each year since 2021); Marko Jarić Prize, Serbia (2013); Outstanding Referee of the APS (2013); Fellow of the APS (2012); Jacobsohn Memorial Lecturer, University of Washington, Seattle (2012); Outstanding Undergraduate Research Opportunities Faculty Mentor of the Year, MIT (2004); Alfred P. Sloan Research Fellow (2003 – 2004); Visiting Professor, University of Innsbruck, Austria (2000); Lynen postdoctoral fellow of the Alexander-von-Humboldt Foundation (1997 - 1999); Member of the American Physical Society (APS), the German Physical Society (DPG), the Optical Society of America (OSA), and the American Association for the Advancement of Science (AAAS).

Select Administrative Appointments and Synergistic Activities

DAMOP Chair Elect (2024-2025); DAMOP Vice Chair (2023-2024); Director, NSF Frontier Center for Ultracold Atoms (2023-present); Co-organizer MIAPP workshop on Quantum Sensors (2023); Member, Physics Council MIT (2023-); Member, Panel on Review of Selected Research Areas at the Physical Measurement Laboratory (PML) of NIST (2021); Member, DAMOP Program Committee (2019 – present); Member, Governing Board of the Science Fond of Serbia (2018-present); Co-Director, MIT-Harvard Center for Ultracold Atoms (2017-2023); Co-Organizer, KITP Conference “Exploring Open Quantum Systems in Quantum Simulators” (2018); Division Head, Atomic, Biological, Condensed-Matter & Plasma Division, MIT Physics Department (2013-2017); Chair, Gordon Research Conference on Atomic Physics (2015); Program committee member for international conferences; Member of various visiting committees. Vuletic also collaborated with film maker Zeljko Mirkovic to create a documentary TV series "My Dear Friend Science"; co-founder of quantum computing company Quera Inc.

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Areas of Research

Quantum computation and simulation, quantum optics, laser cooling and trapping, precision measurements, search for physics beyond the standard model.