S. Thomas Vojta
Curators' Distinguished Professor, Department of Physics
Missouri University of Science and Technology October 15, 2026

Mail address: Department of Physics, Missouri University of Science and Technology,
1315 N. Pine Street, Rolla, MO 65409-06403, USA
Phone: work +1 573 341-4793, home +1 573 426-3038
Email and Web: vojtat@mst.edu, https://sites.mst.edu/vojtathomas/

Education:

12/1999: Department of Physics, Chemnitz University of Technology (Germany)
Habilitation (postdoctoral degree required for a faculty position in Germany)
Thesis title: *Quantum and classical phase transitions in electronic systems*

11/1993–02/1995: Department of Physics, Chemnitz University of Technology (Germany)
PhD in Physics (December 1994, Advisor: Michael Schreiber)
Thesis title: *Disorder and interactions in systems with localized states*

03/1992–11/1993: Department of Chemistry, University of Mainz (Germany)

09/1986–03/1992: Department of Physics, University of Dresden (Germany)
Diploma (compares to MS) in Physics (June 1991, Advisor: Walther John)
Thesis title: *Coulomb gap in the one-dimensional Efros model*

Appointments:

from 01/2017: Curators' Distinguished Professor of Physics
Department of Physics, Missouri University of Science and Technology

01/2018–07/2026: Department Chair
Department of Physics, Missouri University of Science and Technology

09/2011–12/2016: Professor of Physics
Department of Physics, Missouri University of Science and Technology

09/2006–08/2011: Associate Professor of Physics
Department of Physics, Missouri University of Science and Technology

01/2002–08/2006: Assistant Professor of Physics
Department of Physics, University of Missouri–Rolla

03/2001–12/2001: Heisenberg Fellow
Department of Theoretical Physics, University of Oxford (UK)

12/1996–02/2001: Research Associate / Senior Research Associate
Institute of Physics, Chemnitz University of Technology (Germany, Advisor: Michael Schreiber)

03/1995–11/1996: Postdoctoral Researcher
Department of Physics, University of Oregon (Advisor: Dietrich Belitz)

Honors and Awards:

- Fellow of the American Physical Society, 2015
- Cottrell Scholar of Research Corporation, 2005
- Heisenberg Fellow of German Research Foundation, 2000
- Postdoctoral Fellowship, German Research Foundation, 1996
- Fellowship of the German Academic Exchange Service, 1995

Visiting Appointments:

08–10/2026: São Carlos Institute of Physics, University of São Paulo (Brazil)
12/2023–01/2024: Indian Institute of Technology Madras (India)
07–08/2023, 07–09/2017, 07/2010, 01–03/2005: Kavli Institute for Theoretical Physics, Santa Barbara
01–07/2009: Max-Planck Institute for Physics of Complex Systems, Dresden (Germany)
03–12/2001: Wolfson College, Oxford (UK)
07–08/2000, 07–08/99, 09/98, 07–11/97: Department of Physics, University of Oregon

Publications and Talks:

7 review articles
170 research papers in refereed journals + 2 submitted
24 printed proceedings and book chapters
3 popular science articles
63 invited talks at national or international meetings
113 seminar and colloquium talks
215 conference contributions

7136 citations, h-index 41, i10-index 118 (Google Scholar data)

(for complete publication list see separate sheets)

Grants: (total more than $4.9 million, T.V.s portion $3.1 million including NSF single-PI awards totalling $1.8 millon)

- co-PI (39% effort), *CRCNS US-German Research Proposal: Stochastic Axon Systems: From Spatial Dynamics to Self-Organization*, National Science Foundation, 12/2021 – 11/2025, $700,000
- PI (100% effort), *2024 APS Conference for Undergraduate Women in Physics at the Missouri University of Science and Technology*, American Physical Society, 07/2023 – 06/2024, $26,500
- PI (100% effort), *SEED: Fractional random walk approach to serotonergic fibers*, Research Corporation, 10/2019–09/2022, $50,000
- PI (100% effort), *Disorder and dynamics in quantum materials*, National Science Foundation, 09/2018–08/2022, $354,000
- PI (34% effort), *MRI: Acquisition of a Supercomputer to Enable Advanced Computational Science and Engineering Research and Education in Missouri*, National Science Foundation, 09/2019–08/2021, $1,960,000
- PI (100% effort), *Unconventional Quantum Phase Transitions*, National Science Foundation, 01/2016–05/2019, $339,000
- co-PI (43% effort), *Phase transitions in silico and in vivo*, University of Missouri Interdisciplinary Intercampus Research Program, 08/2015–07/2016, $86,959
- PI (100% effort), *Brazil-U.S. Professorship/Lectureship Program*, American Physical Society, 08/2014–08/2015, $4,000
- PI (100% effort), *Unconventional Quantum Phase Transitions*, National Science Foundation, 08/2012–07/2015, $379,897
- PI (100% effort), *Quantum phase transitions: disorder, dynamics, and frustration*, National Science Foundation, 09/2009–08/2013, $324,000

- co-PI (15% effort), *Percolation networks at magnetic quantum phase transitions*, University of Missouri Research Board, 09/2007–08/2009, $32,360
- PI (100% effort), *Cottrell: Disordered electronic quantum phase transitions and interactive approach to teaching computational physics*, Research Corporation, 05/2005–04/2010, $100,000
- PI (100% effort), *Nonequilibrium quantum phase transitions*, University of Missouri Research Board, 01/2005–12/2005, $14,508
- PI (100% effort), *CAREER: Quantum phase transitions in electronic systems*, National Science Foundation, 06/2004–12/2010, $400,000
- PI (100% effort), *Quantum phase transitions in disordered systems*, University of Missouri Research Board, 01/2002–12/2002, $21,920
- PI (100% effort), *Dynamic behavior and glassiness of disordered correlated many-particle systems*, German Research Foundation, 01/1999–12/2001, $63,000 (converted from DM)
- PI (100% effort), *Magnetic quantum phase transitions of itinerant electrons*, German Research Foundation, 01/2000–12/2001, $41,000 (converted from DM)
- co-PI (50% effort), *Dynamic behavior and glassiness of disordered correlated many-particle systems*, German Research Foundation, 01/1996–12/1998, $59,000 (converted from DM)

Teaching:

Missouri S&T/UMR (01/2002–present, cumulative average teaching evaluation score : 3.5/4)

- graduate classes: *Solid State Physics*, *Topics in Condensed Matter Physics*, *Statistical Mechanics*, and *Quantum Statistical Mechanics*
- upper level undergraduate classes: *Thermal Physics*, *Computational Physics*, and *Chaos and Nonlinear Dynamics*
- introductory undergraduate class *Engineering Physics II*
- Postdocs supervised: 3
- PhD students supervised: 14 (11 finished), MS students supervised: 4 (4 finished)
- undergraduate students involved in research: 34

Chemnitz University of Technology (04/1998–02/2001):

- graduate classes in *Condensed Matter Theory* and in *Physics of Phase Transitions*
- laboratories in computational physics
- physics classes for gifted high school students
- PhD students supervised: 1 (finished), MS students supervised: 1 (finished)

Professional Activities:

- Referee for several journals, including *Science, Nature Physics, Nature Communications, Physical Review Letters, Physical Review B, Physical Review E, Reviews of Modern Physics, New Journal of Physics, European Physical Journal B, Journal of Physics A, Journal of Physics: Condensed Matter, Journal of Low-Temperature Physics, Physics Letters A, Physica A, physica status solidi (b)*
- Reviewer for National Science Foundation, Department of Energy, Petroleum Research Fund, US-Israel Binational Science Foundation, Natural Sciences and Engineering Research Council of Canada, Austrian Science Fund and German Research Foundation
- Organizer and co-organizer of several international conferences and workshops

- Editorial Board Member of *European Physical Journal B*, 2012 – 2024
- Editorial Board Member of *Journal of Statistical Mechanics*, 2004 – 2007

Major University Service:

Missouri University of Science and Technology (01/2002–present):

- Dean of Graduate School Search Committee (2025-2026)
- Havener Chair of Mathematics Search Committee (2025-2026)
- Kummer I&E Fellow Committee (2022-2024)
- Chair, Associate Dean Search Committee (2022-2023)
- CEC Dean Search Committee (2021-2022)
- Department Chair Council (2018-present)
- Chair, Department Chair Council (2020-2021)
- Vice Chair, Department Chair Council (2019-2020)
- CASB Associate Dean Search Committee (2018-2019)
- Chair, Campus Information Technology and Computer Committee (2013-2018)
- Chair, Research Computing Task Force (2008-2013)
- Campus Information Technology and Computer Committee (2006-2013)
- CIO Search Committee (2012)
- Reviewer for UM Research Board (2004-present)
- Academic Council (2004)

- Chair, Physics Space Committee (2007-2018)
- Chair, Physics Program Review Committee (2013-2017)
- Chair, Physics Faculty Search Committee (2013-2014)
- Physics Long-Range Planning Committee (2006-present)
- Physics Qualifying Exam Committee (2011-present)
- Physics Graduate Admission Committee (2005-2018)
- Physics Computer Committee (2002-2017)
- Physics Faculty Search Committee (2004-2005, 2007-2008, and 2014-2015)
- Physics Schearer Competition Chair (2007)
- Physics Fuller Competition Judge (2012, 2005)
- Physics Colloquium Chairman (2002-2004)

Chemnitz University of Technology (04/1998–02/2001):

- Program committee for undergraduate program in *Computational Science* (1999–2001)
- Faculty search committee (1999–2000)