

Elena Roxana Margine

Binghamton University, State University of New York
Department of Physics, Applied Physics and Astronomy
Binghamton, New York 13902-6000

(+1) 607-777-4376
rmargine@binghamton.edu
<https://bingweb.binghamton.edu/~emargine/>

PROFESSIONAL PREPARATION

University of Bucharest	Romania	Physics B.S., 1999
University of Bucharest	Romania	Physics M.S., 2001
Pennsylvania State University	USA	Physics Ph.D., 2007
University of Lyon	France	Physics Postdoc, 2007-2008
University of Oxford	UK	Materials Postdoc, 2008-2010
University of Oxford	UK	Materials Marie Curie Fellow, 2011-2012

APPOINTMENTS

2019-present Associate Professor, Department of Physics Applied Physics, and Astronomy & Materials Science and Engineering Program, Binghamton - SUNY

2015-2019 Assistant Professor, Materials Science and Engineering Program, Binghamton University - SUNY

2014-2019 Assistant Professor, Department of Physics, Applied Physics and Astronomy, Binghamton University - SUNY

2013-2014 Research Assistant Professor, Department of Physics, Applied Physics and Astronomy, Binghamton University - SUNY

GRANTS

2023-2026 DOE, "Toward Exascale Computing of Electron-Phonon Couplings for Finite-Temperature Materials Design"
Co-PI, 17% of \$2,700,000

2023-2026 [NSF DMR-CMMT](#), "Collaborative Research: Ab Initio Engineering of Doped-Covalent-Bond Superconductors"
Co-PI, 50% of \$378,000

2021-2025 [NSF OAC](#), "Frameworks: An Interoperable Software Ecosystem for Many-Body Electronic Structure Calculations"
Co-PI, 22% of \$3,856,970

2021-2024 [NSF DMR-CMMT](#), "Towards Ab Initio Prediction of Superconducting Properties"
Single PI, \$400,000

2021-2023 [NSF EAGER DMR-CMMT](#) "EAGER: SUPER: Collaborative Research: Ab Initio Engineering of Doped-Covalent-Bond Superconductors"
PI, 50% of \$226,947

2020-2022 [NSF DMR-CMMT](#), "School on Electron-Phonon Physics from First Principles"

Reviewer NSF and DOE

Peer-reviewer Physical Review B, Scientific Reports, Applied Physics Letters, Chemical Physics Letters, New Journal of Physics, npj Computational Materials, etc.

Guest editor Journal of Physics Matter

Session chair American Physical Society March Meeting 2018, 2022, 2023

UNIVERSITY AND EXTERNAL SERVICES

2023- APS/DCOMP member-at-large

2019-2021 Harpur College Academic Honesty Committee Member

2018, 2019 Postdoctoral Search Committee Member for S-STEM Scholar Program

2017 Search Committee Member for Research Development Specialist Position

2015- Physics Graduate Admission /P AMCID 63DC q0.00000912 0 612 792 reWn8r S