



**Curriculum Vita
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Instructor: Bahar Modir, Ph.D.

Academic Department: Physics & Astronomy

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EDUCATION

- Doctor of Philosophy (Physics) Kansas State University, Manhattan, Kansas, 2017
- Master in Atomic and Molecular (Physics) University of Tehran, Tehran, Iran, 2011
- Bachelor of Sciences (Physics) Arak University, Arak, Iran, 2006

TEACHING EXPERIENCE

- 2017-2018, Adjunct Faculty for teaching online graduate courses, Texas A&M University-Commerce, Department of Physics & Astronomy.
- 2015-2016, Graduate Teaching Assistant for undergraduate courses, Kansas State University, Department of Physics.
- Spring-Summer 2015, Graduate Teaching Assistant for the course "Physics for Policymakers", online course development from face-to-face version of the course" (undergraduate), Kansas State University, Department of Physics.
- 2013-2014, Graduate Teaching Assistant for undergraduate courses, Kansas State University, Department of Physics.
- Fall 2011, Graduate Teaching Assistant for undergraduate courses, University of Tehran, Department of Chemistry and Department of Biotechnology.

PUBLICATIONS

- B. Modir, J.D. Thompson, and E.C. Sayre, (2017) “Students’ epistemological framing in quantum mechanics problem solving”, Physical Review Physics Education Research [link](#)
- B. Modir, P.W. Irving, S.F. Wolf, and E.C. Sayre, (2015) “Learning about the Energy of a Hurricane System through an Estimation Epistemic Game”, Physics Education Research Conference Proceedings 2014 [link](#)
- A. M. Ghorbanzadeh, R. Lotfalipour, and B. Modir, (2010) “Methane conversion to hydrogen and more valuable hydrocarbons by repetitive pulsed plasma”, 10th International Conference on Clean energy, Cyprus
- A. M. Ghorbanzadeh, R. Lotfalipour, and B. Modir, (2010) “Direct methane conversion to hydrogen and higher valuable hydrocarbons by the pulsed plasma”, Proceedings of the Iranian Physics Conference

RESEARCH GRANTS AND AWARDS

- 2017, Graduate Student and Post-doc Travel Award by University of St. Thomas, University of St. Thomas, to attend at TRUSE Conference.
- 2017, Arts and Sciences Research Travel Scholarship Award, Kansas State University, to attend American Association of Physics Teachers Summer Meetings and Physics Education Research Conference, Cincinnati, OH.
- 2016, Physics Outstanding Graduate Student Award, Kansas State University, I was nominated by Professor Brett DePaola for my work in an online course - Physics 102 – Physics for Policymakers.
- 2016, Travel award by University of Oklahoma, Mathematics Department, Oklahoma State University, to attend at RUME with a View Conference.
- Ranked 1st among M.Sc. students of Atomic and Molecular (Physics coursework), University of Tehran.