Jack W. Simonson

Assistant Professor, Physics at Farmingdale State College

Farmingdale, NY, US

Jack is an experimental condensed-matter physicist committed to mentoring undergraduate students to succeed in research careers.

Biography

Jack teaches introductory physics, electromagnetic theory, and physics research courses. He is a visiting scholar at Stony Brook University. He is a fellow with the American Physical Society Career Mentoring Program; a mentor to underrepresented students through the American Physical Society National Mentoring Community; and a leader in Farmingdale's Scholarship Mentoring Community. His 30 peer-reviewed publications covering various aspects of condensed matter physics have been cited nearly 900 times.

Availability

Keynote, Moderator, Panelist, Workshop

Industry Expertise

Research, Education/Learning

Areas of Expertise

Crystallography, Neutron Scattering, Thermoelectric Materials, Crystal Growth, Condensed Matter Physics, Materials Science, Superconductivity, Low-Temperature Physics

Affiliations

American Physical Society, American Chemical Society

Event Appearances

The search for delocalization in manganese pnictides
University of West Florida, Department of Physics

The search for new superconductors: one crystal at a time
Duquesne University, Department of Physics

Search for delocalization in the manganese pnictides
Centro Atomico Bariloche, Instituto Balseiro

High-spin/low-spin transition in CaMn2Sb2
2011 Superconductivity Program Review and USAF- China Workshop

Quantum criticality and CaMn2Al10"
Farmingdale State College Physics Colloquium

Designing new functional materials
Farmingdale State College Physics Colloquium

\Finite, disordered chains of local and correlated moments in transition metal oxides,"
Metropolitan State University

\Materials design and innovation by solution growth,"
genesis efrc Kickoff Meeting

\A practical model for developing an applied learning infrastructure,"
4th Annual Applied Learning Conference

\Advancing materials discovery,"
Colloquium

Education

University of Virginia
PhD Physics

College of William and Mary
BS Physics

Accomplishments

Outstanding Scholarly Publication in STEM
Outstanding Scholarly Publication in STEM, Center for Teaching, Learning, & Technology, 2018

Outstanding Scholarly Publication
Outstanding Scholarly Publication, Center for Teaching, Learning, & Technology, 2017

Research Mentor Award
Research Mentor Award, Collegiate Science and Technology Entry Program, 2016

Leader Award
Leader Award, Collegiate Science and Technology Entry Program, 2016
