

Xiaomei Jiang

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EDUCATION

- **Ph.D in Physics**, 2004, University of Utah, US
 - Area: Experimental condensed matter physics: Optoelectronics
- **M.S in Physics**, 1990, Institute of Solid State Physics, Chinese Academy of Science, China
 - Area: Theoretical condensed matter physics: Computational
- **B. S in Physics**, 1987, Si-Chuan University, China

ACADEMIC POSITIONS

2012-present Associate Professor, Department of Physics, University of South Florida
2006-2012 Assistant Professor, Department of Physics, University of South Florida
2004-2006 Research Associate, Nanotech Institute, University of Texas at Dallas
2000-2004 Research Assistant, Department of Physics, University of Utah
1998-2000 Teaching Assistant, Department of Physics, University of Utah
1992-1998 Lecturer, Department of Mechanical Engineering, Chong-Qing Institute of Transportation Technology, China

SELECTED PUBLICATIONS

1. X. Jiang, Chapter 9 “In-gap state of lead chalcogenides quantum dots”, **Fingerprints in the Optical and Transport Properties of Quantum Dots**, ISBN 979-953-307-308-7, InTech - Open Access Publisher (2012).
2. Evan Lafalce, Patrick Toggia, Cheng Zhang and Xiaomei Jiang, *Photophysics and morphology of poly(3-dodecylthiophenylenevinylene)-PC₆₀BM composite*, **Appl. Phys. Lett.** 100, 213306 (2012).
3. E. Olejnik, B. Pandit, T. Basel, E. Lafalce, C.-X Sheng, C. Zhang, X. Jiang, and Z. V. Vardeny, *Ultrafast optical studies of ordered poly(3-thienylene-vinylene) films*, **PHYSICAL REVIEW B** 85, 235201 (2012).
4. Evan Lafalce and Xiaomei Jiang; Cheng Zhang, *Generation and Recombination Kinetics of Optical Excitations in Poly(3-dodecylthiophenylenevinylene) with Controlled Regioregularity*, **Journal of Phys. Chem. B**, 115 (45), 13139–13148 (2011).
5. X. Jiang, R. Österbacka, and Z. V. Vardeny. *Optical and Transport Studies of Poly(3-hexylthiophene); Nanomorphology Dependence*, **Encyclopedia of Nanoscience and Nanotechnology (second edition)** 20, 173-204, American Scientific Publishers, ISBN: 1-58883-169-8. (2011).
6. J. Lewis, Evan Lafalce, Patrick Toggia, and X. Jiang, *Over 30% Transparency Large Area Inverted Organic Solar Array by Spray*, **Sol. Eng. Mater. Sol. Cell** 95, 2816-2822 (2011).

SYNERGIC ACTIVITIES

1. Member of the journal editorial board for ***The Open Physical Chemistry Journal***.
2. Session chair (Novel Concepts for Organic Photovoltaics) at the Organic Photovoltaics XII, part of the SPIE Optics + Photonics Annual Meeting, San Diego, August 21 – 25, 2011, CA.
3. Participant in organizing the subarea on Organic Materials, Devices and Hybrid Structures in the 34th IEEE Photovoltaic Specialists Conference, Philadelphia, June 7 – 12, 2009, PA.
4. Regular reviewer of journals:
Advanced Functional Materials, Applied Physics Letters, Journal of Material Research, Materials Today, Nanotechnology, Synthetic Metals, Journal of Physical Chemistry, Journal of Applied Physics
5. Reviewer of grants:
U.S. Civilian Research and Development Foundation Cooperative Grants Program
U.S. Department of Energy Basic Energy Science program
NSF Engineering Directorate EPDT program

HONORS AND AWARDS

2000-2001 Teaching Assistant Award, University of Utah

INVITED TALKS

- Xiaomei Jiang (2011). Special topical symposium at the 242nd American Chemical Society National Meeting and Exposition (August 28 - September 1, 2011, in Denver, Colorado). Title 'Unconventional gap state of trapped exciton in lead sulfide quantum dots'.
- Xiaomei Jiang (2011). Organic Photovoltaics XII, part of the SPIE Optics + Photonics Annual Meeting (San Diego, August 21 – 25, CA). Title: 'The Effect of Regio-regularity on the Optoelectronic Properties of PTVs'.
- Xiaomei Jiang (2011). The 9th International Conference on Optical Probes of Conjugated Polymers and Organic Nanostructures *combined with* The 5th International Conference on Excited State Processes in Electronic and Bio Nano-Materials (OP2011/ESP2011), June 19, 2011, Santa Fe, NM. Title 'Photophysics of poly (3-dodecylthiophenevinylene); a non-luminescent π -conjugated polymer with non-degenerate ground state'.
- Xiaomei Jiang (2009). Printed Electronics USA 09 conference, Dec 1-4, 2009, San Jose, CA. 'Organic Semitransparent Photovoltaic Energy Converter (OSPEC)'.

PROFESSIONAL MEMBERSHIP

- APS (American Physical Society)
- ACS (American Chemical Society)
- MRS (Material Research Society)
- SPIE (International Society for Optical Engineering)

COLLABORATORS IN THE PAST FOUR YEARS*

1. Dr. Cheng Zhang, Chemistry and Biochemistry, South Dakota State University
2. Dr. Valy Vardeny, Department of Physics, University of Utah.

* There were no co-editors in the past two years.

PhD AND POSTDOC ADVISORS

1. Thesis advisor: Dr. V. Vardeny, Department of Physics, University of Utah
2. Postdoc advisor: Dr. A. Zakhidov, Nanotech Institute, University of Texas at Dallas

OTHER PERSONNEL

Evan Lafalce, PhD candidate
Patrick Togliola, PhD student
Adam Flanery, undergraduate student