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**EDUCATION:**

<b>Doctor of Philosophy, Physics</b>	2002	Physics Department, University of Arkansas, Fayetteville, AR
<b>Masters of Engineering, Electronic Components and Materials</b>	1989	Electrical Engineering Department, Xi'an Jiaotong University, China
<b>Bachelors of Science, Physics</b>	1983	Physics Department, Xi'an Jiaotong University, China

**TEACHING EXPERIENCE:**

<b>Professor of Physics</b>	08/2016 - present	<b>Department of Natural Sciences</b> , Houston Community College
<b>Adjunct Professor of Physics</b>	09/2013 - 08/2016	<b>Department of Natural Sciences</b> , Houston Community College
<b>Adjunct Professor of Physics</b>	01/2014 - 08/2016	<b>Department of Chemistry, Physics and Engineering</b> , Lone Star College, Montgomery & Cy Fair
<b>Research Associate</b>	7/2006 – 8/2013	<b>Physics Department</b> , University of Arkansas, Fayetteville, AR
<b>Professor</b>	4/2005 – 6/2006	<b>Material Sciences Department</b> , Hainan University, China
<b>Assistant Professor</b>	7/1989 – 7/1997	<b>Applied Physics Department</b> , Xidian University, China
<b>Lecturer</b>	9/1983 – 9/1986	<b>Xi'an Institute of Geological Survey</b> , China

**LAB EXPERIENCE:**

<b>Research Associate</b>	7/2006 – 8/2013	<b>Physics Department</b> , University of Arkansas, Fayetteville, AR
Maintaining and managing Nanofabrication Laboratory, From July 2011 to August 2013		
Maintaining and managing Nonlinear Optics Laboratory, From July 2006 to August 2013		

**RESEARCH EXPERIENCE:**

<b>Research Associate</b>	6/2006 – 8/2013	<b>Physics Department</b> , University of Arkansas, Fayetteville, AR
Research Field: Quantum Optics		
<ul style="list-style-type: none"> <li>Explored physical behavior and functionality of the recently developed notion of parity-time (PT) symmetry optical systems.</li> <li>Designed optical experiments that involve a combination of gain, loss, and the process of index guiding.</li> <li>Compared experimental results with theory encompassing the PT optical system to determine where properties can be directly observed and further explored.</li> <li>Fabricated waveguides and waveguide arrays based on the semiconductor photolithograph process and semiconductor device technology.</li> </ul>		

<b>Professor</b>	4/2005 – 6/2006	<b>Material Sciences Department</b> , Hainan University, China
Research Field: Photorefractive Spatial Optical Solitons and Their Applications		

<b>Research Assistant &amp; Postdoctoral Fellow</b>	8/1998 – 4/2005	<b>Physics Department</b> , University of Arkansas, Fayetteville, AR
Research Field: Nonlinear Optics		
<ul style="list-style-type: none"> <li>Designed and constructed an automated laser imaging and data acquisition system for studying micro-sized 1D and 2D steady-state photorefractive spatial optical solitons in bulk photorefractive crystals and their applications in optical modulation and switching.</li> <li>Conducted research on the formation of optical waveguides induced by photorefractive spatial solitons and their applications in optical devices such as Directional Couplers and Optical Modulators.</li> </ul>		

<b>Research Assistant</b>	8/1997 – 8/1998	<b>Physics Department</b> , University of Puerto Rico at San Juan
Research Field: Ferroelectric Materials		

<b>Assistant Professor</b>	7/1989 – 7/1997	<b>Applied Physics Department</b> , Xidian University, China
Research Field: Modeling and characterization of dielectric, pyroelectric, and electro-optical properties of ferroelectric materials.		

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## **PUBLICATIONS:**

Coauthored Books “Physical Properties of Crystals”, ISBN7-5053-2821-2/G. 228 (Chinese)

### **Selected Publications:**

1. A. Guo, G. J. Salamo, D. Duchesne, R. Morandotti, M. Volatier-Ravat, V. Aimez, G. A. Siviloglou, and D. N. Christodoulides, *Phys. Rev. Lett.* 103, 093902 (2009).
2. Aqiang Guo, Henry, M., Salamo, G.J., Segev, M., Wood, G.L. *Optics Letters* **26** 1274(2001).
3. Aqiang Guo, Henry, M., Salamo, G.J., Segev, M., Wood, G.L. *Applied Physics Letters* **79**, 1423(2001).
4. Cheng, Z.-Y., Katiyar, R.S., Yao, X., Aqiang Guo, *Physical Review B (Condensed Matter)* **55**, 8165 (1997).