

Qian Niu

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Education

Ph. D. Physics, University of Washington (1985)

M. S. Physics, University of Washington (1983)

B. S. Physics, Peking University (1981)

Professional Employment

Trull Centennial Professor, University of Texas (2001-).

Assistant and Associate Professor, University of Texas (1990-2001).

Visiting Scientist, UC Santa Barbara (1988-1990).

Research Associate, University of Illinois (1985--1987).

Visiting Positions

Peking University

Shanxi University

Institute of Theoretical Physics and QUEST at UCSB

Oak Ridge National Lab

University of Tennessee at Knoxville

Hong Kong University of Science and Technology

University of Michigan

University of Washington

Tsinghua University, Taiwan

University of Houston

Honors and Awards

- Fellow of the American Physical Society (1999-) Citation: 'for contributions to the theories of quantum transport'
- Trull Centennial Professorship (2001-).
- Blumberg Fellowship (1992-1993).
- Trull Centennial Fellowship (1990-1992).
- NIST Precision Measurement Award (1992-1995).
- Wang Kuan Cheng Research Award (1997).
- Outstanding Overseas Young Scientist (1999, Natural Science Foundation of China).
- Honorary Adjunct Professors at the Institute of Physics, Institute of Theoretical Physics, and Shanxi University in China.

Professional Service

- Director of the International Center for Quantum Structures, Beijing (2007-2008)
- Editorial Board Member of the International Journal of Modern Physics B and Modern Physics Letters B (1995-).
- Editorial Board Member for Chinese Physics.
- Advisory Committee Member for Theory Division at the Institute of Physics, Beijing (2000-)
- Judge for the Texas Science Fair (1998).
- Panel review member for US Civilian Research and Development Foundation (2004).

Meetings Organized

- CECAM workshop on The Anomalous Hall Effects (2005, Lyon).
- International workshop on Nanostructures and Quantum Phenomena (2001, Beijing)
- International Workshop on Formation Mechanisms and Physical Properties of Nanostructures (1998-1999, Taiwan).
- Summer school on 'Mesoscopic and Strongly Correlated Systems' at CCAST, Beijing (1993).
- Minischool on 'Quantum Hall effects and Quantized Charge Transport' at CCAST, Beijing (1990).

Publication Record

- 156 publications in refereed journals (5237 citations), including 54 in Physical Review Letters, two in Science, one each in Nature, Physics Today, and Physics World.
- Patent: Quantum Wire CCD Charge Pump, Q. Niu and K. Ensslin, US patent No. 5,144,580. Sept. 1, 1992.
- Book: The Geometric Phase in Quantum Systems, A. Bohm, A. Mostafazadeh, H. Koizumi, Q. Niu, and J. Zwanziger, (Springer, 2003).
- 220 invited talks at professional meetings and research institutions.