

Preston F. Jones

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Mathematics and Physics
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Education

- Ph D, Physics, University of Nevada, 2002.
Dissertation Title: Many-body theory of quantum dots
- MS, Physics, San Diego State, 1999.
Dissertation Title: Covariant Faraday and the Maxwell Equations
- BS, Engineering, San Francisco State, 1983.

Professional Positions

Academic

- Assistant Professor of Physics, University of Louisiana Monroe. (January 2007 - Present).
- Instructor, Fresno State University. (August 2004 - December 2006).
- Lecturer, Virginia Military Institute. (August 2003 - July 2004).
- Teaching Assistant, University of Nevada. (August 2001 - December 2001).
- Lab Instructor, University of Nevada. (August 1997 - May 2001).

Professional

- Aircraft Engineer, Saudi Aramco. (January 1993 - June 1994).
- Cofounder and head of research, TDG Aerospace. (January 1992 - December 1992).
- Engineering Supervisor, United Air Lines. (June 1986 - December 1991).
- Aircraft Engineer, AirCal. (June 1984 - June 1986).
- Engineer, Department of the Navy. (January 1984 - June 1984).
- Engineering Intern, SMUD. (May 1980 - September 1980).

Military

- Soldier, United States Army. (June 1976 - June 1979).

Awards and Honors

- Army Good Conduct Medal, United States Army. (June 1979).
- Army Commendation Medal, United States Army. (February 1979).

RESEARCH

Refereed Journal Articles

Jones, P. F., Kimani, P., Winkler, P. (2008). Correlation studies in weakly confining quantum dot potentials. *International Journal of Quantum Chemistry*, 108(15), 2763-2769.

Jones, P. F., Singleton, D., Munoz, G., Ragesdale, M. (2008). The general relativistic infinite plane. *American Journal of Physics*, 76(1), 72-78.

Jones, P. F. (2007). Electromagnetic radiation from temporal variations in space time. *International Journal of Modern Physics D*, 16(11), 1871–1877.

Jones, P. F., Wanex, L. (2006). The clock paradox in a static homogeneous gravitational field. *Foundations of Physics Letters*, 19(1), 75-85.

Books

Jones, P. F. (2008). *Physics for Teachers*. Monroe. LA: ULM Bookstore.

Jones, P. F., Anderson, J. F., Melder, T. (2007). *PHYS 209 Lab Manual*. University of Louisiana Monroe Book Store.

Book Chapter

Jones, P. F. (2006). *Trends in quantum dots research* (pp. 1-34). NOVA Science Publishers.

Presentations Given

Jones, P. F. (Presenter & Author), Department Colloquium, "Noether theorem and Hamilton principle in contemporary physics," Mathematics and Physics Department, University of Louisiana Monroe. (September 5, 2008).

Jones, P. F., 2008 March Meeting of APS, "The general relativistic infinite plane," American Physical Society, New Orleans. (March 14, 2008).

Contracts, Grants and Sponsored Research

Jones, Preston Farley (Principal), "Loop quantum gravity collaboration" (Funded), Sponsored by Dean's research and creative projects fund, The University of Louisiana at Monroe, \$825. (December 1, 2008 - December 14, 2008).

SERVICE

Editorial and Review Activities

Invited Manuscript Reviewer, "Canadian Journal of Physics". (February 2007 - Present).

Invited Manuscript Reviewer, "Foundations of Physics Letters". (January 2006 - Present).

Ad Hoc Reviewer, "National Physics Archive". (June 2005 - Present).

Editor, "Giancoli MCAT Guide", Pearson - Prentice Hall. (October 2008 - January 2009).

University

Committee Member, International Education Council, Member. (August 2008 - Present).

Committee Member, University Undergraduate Curriculum, Member. (August 2008 - Present).

College

Committee Member, Arts and Sciences Curriculum Committee, Member. (August 2008 - Present).

Committee Member, Arts and Sciences Research Committee, Member. (August 2008 - Present).

Committee Chair, Search committee instructor of physics. (January 10, 2008 - Present).

Committee Member, QEP ad hoc committee, Member. (September 2007 - January 2008).

Department

Physics Computer lab manager. (July 1, 2007 - Present).

Professional

Science and Engineering Consulting, Hennen Heck LLP, Consultant. (April 2008 - Present).

Public/Community

Committee Member, International Food Fair. (March 10, 2009).

Academic Mentor, St. Frederick High School. (February 2, 2009).

Committee Member, Browse on the bayou. (November 8, 2008).

Committee Member, Treasure chest of knowledge. (January 14, 2008 - January 24, 2008).

Committee Member, Science Olympiad, Member. (February 1, 2007 - March 10, 2007).