

Steuard Jensen

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Born August 20, 1976. Citizenship: USA

Education

9/98 – 8/06 **The University of Chicago**, Chicago, IL
Ph.D. in Physics 2006
Thesis advisor: Prof. Jeffrey Harvey
Thesis title: “Instantons and Chiral Symmetry in String Theory”

9/94 – 5/98 **Harvey Mudd College**, Claremont, CA
B.S. in Physics and Mathematics
Thesis advisor: Prof. Thomas Helliwell

Teaching

8/09 – present **Assistant Professor of Physics**, Alma College, Alma, MI
Teaching introductory algebra-based physics; Statistical Mechanics; eventually the full core undergraduate curriculum.

8/06 – 6/09 **Visiting Assistant Professor of Physics**, Joint Science Department of Claremont McKenna, Pitzer, and Scripps Colleges, Claremont, CA
Taught introductory calculus based physics lectures and labs for life science/premeds; Statistical Mechanics; Quantum Mechanics; Electromagnetism.

9/05 – 11/05 **Co-Instructor**, The University of Chicago
Designed and led review course for the physics GRE.

1–3/02, 9–12/02 **Teaching Assistant**, The University of Chicago
Supervised undergraduate labs: “Solid State” and “Atomic and Molecular”.

2/01 – 3/01 **Instructor**, The University of Chicago
Designed and led review sessions for the Ph.D. candidacy exam.

9/98 – 6/99 **Teaching Assistant**, The University of Chicago
Led discussion and lab sections and office hours for honors freshman physics.

9/95 – 5/98 **Physics Tutor**, Harvey Mudd College
Helped students at all levels master course work; established a tradition of volunteer physics tutors.

Research

- 8/09 – present **Assistant Professor of Physics**, Alma College, Alma, MI
Studying string theory: Kaluza-Klein monopoles in doubled geometry.
- 8/06 – 6/09 **Visiting Assistant Professor of Physics**, Joint Science Department of Claremont McKenna, Pitzer, and Scripps Colleges, Claremont, CA
Work in string theory: Kaluza-Klein monopoles in doubled geometry, various other topics.
- 9/00 – 8/06 **Research Assistant**, The University of Chicago
Studied string and M-theory: holographic NJL model, instanton corrections in T-duality, membranes in M-theory and moduli stabilization, boundary CFT.
- 1/97 – 5/98 **Student Research**, Harvey Mudd College
Studied stability of black hole Cauchy horizons in general relativity.
- 6/97 – 8/97 **REU Research Student**, Michigan State University, East Lansing, MI
Studied scattering in neutron-rich halo nuclei (advisor P. Gregers Hansen).
- 5/96 – 8/96 **Research Assistant**, The University of Nebraska, Lincoln, NE
Wrote C++ simulation of a quantum Paul trap (advisor Anthony Starace).

Honors

- 1996, '99 – 2004 **ARCS Scholarship**.
- 9/98 – 6/01 **GAANN Fellowship** (U.S. Department of Education).
- 9/99 **Telegdi Prize** for best overall performance on the University of Chicago physics Ph.D. candidacy exam.
- 5/98 **Graduated with high distinction**, Harvey Mudd College.

Publications

1. E. Antonyan, J. A. Harvey, S. Jensen, and D. Kutasov, “NJL and QCD from string theory,” hep-th/0604017. (To be submitted.) [57 citations.]
2. J. A. Harvey and S. Jensen, “Worldsheet instanton corrections to the Kaluza-Klein monopole,” *JHEP* **10** (2005) 028, hep-th/0507204. [11 citations.]

In Progress

3. S. Jensen, “The Localized KK-Monopole/NS5-Brane in Doubled Geometry”. (To be submitted.)

Conferences, Activities, and Outreach

- 2/07 – 3/08 **“Extra Dimensions in String Theory”**: Colloquium given at the Joint Science Dept. of the Claremont Colleges, California State University—Northridge, Muhlenberg College, and Harvey Mudd College.

- 4/06 **Great Lakes Strings**, Ann Arbor, MI.
Talk: “Worldsheet Instanton Corrections to the Kaluza-Klein Monopole”.
- 4/06 **“String Theory and Duality”**: Colloquium, Skidmore College.
- 9/99 – 5/05 **Research poster presentations** to non-scientists at ARCS Foundation events.
- 2/04 **“An Introduction to String Theory”**: Talk given to the Chicago chapter of the MIT Alumni club. Online version:
<http://othello.alma.edu/~jensens/research/MITClub2004/>
- 9/03 **Featured student speaker**, ARCS Scholarship Luncheon.
- 9/00 – 6/03 **Student string theory lecture series**, The University of Chicago
(Co-organizer, fall 2000). My research presentations:
- “Instanton Localization of String Theory Monopoles”, 2/03.
 - “Membrane Instantons in Heterotic M-theory”, 1/02.
 - “Noncommutative Solitons and Tachyon Condensation”, 10/00.
- 7/02 **Strings 2002**, Cambridge, UK.
- 11/99 – present **Online tutorials**: Introductions to several concepts in math and physics.
<http://othello.alma.edu/~jensens/teaching/tutorials/>
- References** Available upon request.