



BOARD REPORT

3 Year Contract for Christian Aars Professor of Physics At COLLIN since 2008

• Education

| Institution | Degree | Major |
|----------------------------|----------------------|-----------------------|
| Texas Christian University | Doctor of Philosophy | Physics and Astronomy |
| Texas Christian University | Bachelor of Science | Physics and Astronomy |
| | | |
| | | |

• Prior Work Experience

| Job Title | Organization Name | Date of Employment |
|-----------------------------------|-------------------------|--------------------|
| Adjunct Professor, Physics | Collin College | Summer 2008 |
| Assistant Professor, Physics | Angelo State University | 2005-2008 |
| Visiting Asst. Professor, Physics | Angelo State University | 2004-2005 |

• Professional Development, Activities, and Awards

- Attended, 27th Texas Symposium on Relativistic Astrophysics at University of Texas at Dallas, Fall 2013.
- Attended, Founder's Circle Special Event: B612 Sentinel Mission Project at Perot Museum of Nature and Science, Summer 2013.
- Revised, twelve lab exercises for PHYS 1403: Stars and Galaxies and PHYS 1404: Solar System, Summer 2013.
- Developed, five lab exercises for PHYS 1403: Stars and Galaxies and PHYS 1404: Solar System, 2012-2013.
- Co-Developed, online template for PHYS 1417: Physical Science II, Fall 2012.
- Developed, simulation of the celestial mechanics of the Neptunian moon system and its effect upon Triton, Summer 2012.
- Attended, Mathematica Workshop at Collin College, Spring 2012.
- Developed, two simulations of the effects of a 2:1 orbital resonance developing between Jupiter and Saturn in the early solar system, Fall 2012.

• College Service / College-Related Community Service

- Chair, Curriculum Advisory Board, Fall 2013-Present.
- Serve, Curriculum Advisory Board, 2011-Present.
- Served, Research Professor for one student project for the Center for Advanced Studies in Mathematics and Natural Sciences, Spring 2013.
- Served, Associate Vice-President of Academic Outreach Search Committee, Spring 2013.

- Served, TSI Pre-Assessment Activity Committee, Spring 2013.
- Served, Team Lead for Curriculum Advisory Board Core Review Subcommittee at PRC, 2012-2013.
- Developed three activities and presented two for Frisco Mindbender Academy, Summer 2012, Summer 2013.
- Served, Faculty District Chair, Distinguished Speaker Series Committee, 2012-2013.
- Organized, eight public Star Gazing Parties at PRC, 2011-2013.
- Served, Curriculum Advisory Board Core Review Guideline Development Subcommittee, Fall 2012.
- Conducted, Classroom Visits for Two Associate Faculty Members in Physics at PRC, Fall 2012.
- Presented, "The Future of Space Exploration" for the Future Scientists and Engineers program at Heritage High School, Frisco, Texas, Summer 2012.