

Richard Bonde

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Education

- **Ph.D. – Physics and Applied Physics**, *University of Texas at Arlington*, Arlington, TX
- **Master of Science – Physics**, *University of Texas at Arlington*, Arlington, TX
- **Bachelor of Science (Hons.) – Physics**, *Wichita State University*, Wichita, KS
 - Minor in Chemistry
- **Bachelor of Science (Hons.) – Mathematics**, *Wichita State University*, Wichita, KS
- **Bachelor of Science – Aerospace Engineering**, *Wichita State University*, Wichita, KS

Memberships, Awards,& Honors

- American Geophysical Union (Space Physics & Aeronomy Section)
- American Physical Society
- Sigma Pi Sigma – National Physics Honor Society
- Pi Mu Epsilon – National Mathematics Honor Society
- Sigma Gamma Tau – National Aerospace Engineering Honor Society
- Excellence in Teaching for Adjunct Faculty – *Mountain View College*, Dallas, TX 2017-2018

Teaching Experience

- **Lecturer of Physics & Astronomy**, *Texas Christian University*, Fort Worth, TX
- **Adjunct Professor of Physics**, *Mountain View College*, Dallas, TX
- **Adjunct Professor of Physics**, *University of Texas at Arlington*, Arlington, TX
- **Instructor**, Upward Bound Math & Science, *University of Texas at Arlington*, Arlington, TX

Research Experience

- **Graduate Research Assistant**, *University of Texas at Arlington*, Arlington, TX
- **Visiting Doctoral Student**, *CERN*, Geneva, Switzerland

Selected Publications & Presentations

- Bonde, Richard, *Current Topics in Space Physics & Space Weather*, Public Lecture, Space Week 2018, Mountain View College, Dallas, TX, October 4, 2018.
- Bonde, R., R.E. Lopez, and J. Wang (2018), The Effect of IMF Fluctuations on the Subsolar Magnetopause Position: A Study Using a Global MHD Model, *J. Geophys. Res. Space Physics*, 123, doi:10.1002/2018JA025203.
- Bonde, Richard, *The Sun-Earth Relationship*, Public Lecture, Space Week 2017, Mountain View College, Dallas, TX, October 5, 2017.
- Bonde, Richard, Ramon E. Lopez, Jiangyan Wang, Walter Gonzalez, and Chi Wang (2017), The Effect of IMF Fluctuations on the Subsolar Magnetopause Position, Abstract 205317 presented at 2017 Chapman Conference, AGU, Chengdu, China, 10-14 July.
- Bonde, Richard and Ramon E. Lopez (2017), Solar Wind Fluctuation Effects Using the Lyon-Fedder-Mobarry (LFM) Global MHD Simulation, APS sponsored seminar presentation, National Institute for Space Research (INPE), São José dos Campos, São Paulo, Brazil, 15 March 2017.
- Bonde, Richard, *Plasmas and Weather in Space: The Study of Space Physics*, Public Lecture, Space Week 2016, Mountain View College, Dallas, TX, October 7, 2016.
- Behrman, E. C., R.E.F. Bonde, J.E. Steck, and J.F. Behrman (2014), On the correction of anomalous phase oscillation in entanglement witnesses using quantum neural networks, *IEEE Transactions on Neural Networks and Learning Systems*, 25(9), 1696-1703.