

Lynn B. Wilson III

Curriculum Vitae

Contact Information

NASA Goddard Space Flight Center
Code 672, Bldg. 21, Room 143A,
Greenbelt, MD 20771

Home: lynn.b.wilsoniii@gmail.com
Work: lynn.b.wilson@nasa.gov
Home: (218) 301-9328; **Work:** (301) 286-6487

Education

Ph.D. (Physics) Sep. 2010

Advisor: Cynthia A. Cattell

B.A. (Physics) May 2005

University of Minnesota, Minneapolis, MN

Dissertation: *The Microphysics of Collisionless Shocks*

Saint John's University, Collegeville, MN

Professional Experience

Civil Servant, Sep. 2010 – Present
(permanent full time appointment)

Deputy Project Scientist, 2012 – Present

Research Fellow, Sep. 2007 – Sep. 2010

Research Assistant, May 2006 – Aug. 2007

NASA Goddard Space Flight Center

Title: Research Astrophysicist

Wind spacecraft

University of Minnesota, Minneapolis, MN

University of Minnesota, Minneapolis, MN

Honors, Awards, & Grants

Mar. 2016 – Feb. 2019

Mar. 2016 – Feb. 2019

Jan. 2015 – Dec. 2016

Oct. 2015 – Sep. 2016

Successful Proposals

2015 ROSES HSR Solicitation (PI)

2015 ROSES HSR Solicitation (Co-I)

2014 ROSES HGI ODDE Solicitation (Co-I)

2015 NASA Science Innovation Fund Solicitation (Co-I)

Scholarships & Fellowships

May 2010 – Sep. 2010

Sep. 2007 – May 2010

Dr. Leonard F. Burlaga/Arctowski Medal Fellowship

NASA Earth and Space Science Fellowship, Heliophysics Division

Professional Societies

American Geophysical Union

European Geosciences Union

American Physical Society

American Institute Of Aeronautics & Astronautics

Member: 2006 – Present

Member: 2011 – Present

Member: 2011 – Present

Member: 2016 – Present

Community Service

Committee Member, 2015

Convener, 2014 AGU Fall Meeting

Convener, 2012 AGU Fall Meeting

Referee, 2011 – Present

Strategic Planning Committee, Heliophysics Science Division

Session: "Twenty years of Wind observations"

Session: "Wave-Particle Interactions and Collisionless Shocks"

Ann. Geophys., *Phys. Plasmas*, *Astrophys. J.*, *Space Sci. Rev.*,
Adv. Space Res., *J. Geophys. Res.*, & *Geophys. Res. Lett.*

Selected Publications

Wilson III, L.B. *et al.*, (2007), Waves in Interplanetary Shocks: A Wind/WAVES Study, *Phys. Rev. Lett.* **99**(4), 041101, doi:10.1103/PhysRevLett.99.041101.

Wilson III, L.B. *et al.*, (2011e), The properties of large amplitude whistler mode waves in the magnetosphere: Propagation and relationship with geomagnetic activity, *Geophys. Res. Lett.* **38**, L17107, doi:10.1029/2011GL048671.

Wilson III, L.B. *et al.*, (2012c), Observations of electromagnetic whistler precursors at supercritical interplanetary shocks, *Geophys. Res. Lett.* **39**, L08109, doi:10.1029/2012GL051581.

Wilson III, L.B. *et al.*, (2013a), Electromagnetic waves and electron anisotropies downstream of supercritical interplanetary shocks, *J. Geophys. Res.* **118**, 5–16, doi:10.1029/2012JA018167.

Wilson III, L.B. *et al.*, (2013b), Shocklets, SLAMS, and field-aligned ion beams in the terrestrial foreshock, *J. Geophys. Res.* **118**, 957–966, doi:10.1029/2012JA018186.

Wilson III, L.B. *et al.*, (2014b), Quantified Energy Dissipation Rates in the Terrestrial Bow Shock: 2. Waves and Dissipation, *J. Geophys. Res.* **119**, 6475–6495, doi:10.1002/2014JA019930.

Wilson III, L.B. (2016a), Low frequency waves at and upstream of collisionless shocks, *Geophys. Monogr. Ser.* **216**, 269–291, In *Low-frequency Waves in Space Plasmas*, Eds. A. Keiling, D.-H. Lee, & V. Nakariakov, (American Geophysical Union, Washington, D.C.), doi:10.1002/9781119055006.ch16.

Home: lynn.b.wilsoniii@gmail.com

Work: lynn.b.wilson@nasa.gov

Lynn B. Wilson III

Curriculum Vitae

Home: (218) 301-9328

Work: (301) 286-6487