

Lynn B. Wilson III

Curriculum Vitae

Contact Information

NASA Goddard Space Flight Center
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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 (Permanent Appt.), 2010 – Present

Project Scientist, 2016 – Present

Deputy Project Scientist, 2012 – 2016

Research Fellow, Sep. 2007 – Sep. 2010

NASA Goddard Space Flight Center

Wind spacecraft

Wind spacecraft

University of Minnesota, Minneapolis, MN

Honors, Awards, & Grants

	<i>Successful Proposals</i>
Mar. 2016 – Feb. 2019	2015 ROSES HSR Solicitation (PI)
Mar. 2016 – Feb. 2019	2015 ROSES HSR Solicitation (Co-I)
Jan. 2015 – Dec. 2016	2014 ROSES HGI ODDE Solicitation (Co-I)
Oct. 2015 – Sep. 2016	2015 NASA Science Innovation Fund Solicitation (Co-I)
	<i>Scholarships & Fellowships</i>
May 2010 – Sep. 2010	Dr. Leonard F. Burlaga/Arctowski Medal Fellowship
Sep. 2007 – May 2010	NASA Earth and Space Science Fellowship, Heliophysics Division

Professional Societies

American Geophysical Union	Member: 2006 – Present
European Geosciences Union	Member: 2011 – Present
American Physical Society	Member: 2011 – Present
American Institute Of Aeronautics & Astronautics	Member: 2016 – Present

Community Service

Convener , 2016 AGU Fall Meeting	Session: “Collisionless Shock Waves in Astrophysical Plasmas”
Committee Member , 2015	Strategic Planning Committee, Heliophysics Science Division
Convener , 2014 AGU Fall Meeting	Session: “Twenty years of Wind observations”
Convener , 2012 AGU Fall Meeting	Session: “Wave-Particle Interactions and Collisionless Shocks”
Referee , 2011 – Present	<i>Ann. Geophys.</i> , <i>Phys. Plasmas</i> , <i>Astrophys. J.</i> , <i>Space Sci. Rev.</i> , <i>Adv. Space Res.</i> , <i>J. Geophys. Res.</i> , & <i>Geophys. Res. Lett.</i>

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.