

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
B.A. (Physics) May 2005

University of Minnesota, Minneapolis, MN
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

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| | <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

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| 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

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|---|---|
| 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> , & <i>Rev. Modern Plasma Phys.</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.