

Brian P. Sullivan, Ph.D.

CONTACT INFORMATION	Center for Integrated Computation and Analysis of Reconnection and Turbulence Institute for the Study of Earth, Oceans & Space (EOS) 245B Morse Hall University of New Hampshire Durham, NH 03824 USA	<i>Phone:</i> (603) 862-2912 <i>Fax:</i> (603) 862-3584 <i>E-mail:</i> bsullivan@artemis.sr.unh.edu <i>web:</i> http://www.artemis.sr.unh.edu/~bpsullivan
PROFESSIONAL INTERESTS	Theoretical and computational plasma physics, magnetic reconnection, turbulence, the geodynamo, parallel computing, physics pedagogy, use of technology in education	
EDUCATION	Dartmouth College , Hanover, NH USA Ph.D. , Physics and Astronomy, June 2008 <ul style="list-style-type: none">• Dissertation Topic: “Magnetic Reconnection in 2 and 3 Dimensions”• Advisor: Barrett N. Rogers Westminster College , New Wilmington, PA USA B.S., Physics, Mathematics, May, 2003 <i>Magna Cum Laude</i>	
RESEARCH EXPERIENCE	Postdoctoral Research <i>Dartmouth College, Hanover, NH USA</i> Graduate Research Assistant <i>University of New Hampshire, Hanover, NH USA</i> Summer Undergraduate Research Fellow <i>URI Graduate School of Oceanography, Narragansett, RI</i>	Feb. 2008-present. June 2003-Feb. 2008 June, 2002 - August, 2002
TEACHING EXPERIENCE	Teaching Assistant <i>Dartmouth College, Hanover, NH USA</i>	November, 2003 - 2006
HONORS AND AWARDS	Selamawit Tsehaye Teaching Award, Dartmouth College 2004 NASA New Hampshire Space Grant Award 2007	
MEMBERSHIPS	American Geophysical Union American Physical Society	
PUBLICATIONS	<ol style="list-style-type: none">1. The Scaling of Forced Collisionless Reconnection, B.P. Sullivan, B.N. Rogers, M.A. Shay, <i>Phys. Plas.</i> 12, 122312 (2005).2. The Scaling of forced collisionless reconnection, B. P. Sullivan, B. N. Rogers, <i>Phys. Plas.</i> 15, 102106 (2008).	
PUBLICATIONS IN PRESS	Extension of the electron dissipation region in collisionless Hall MHD Reconnection, B. P. Sullivan, and A. Bhattacharjee, submitted to <i>Phys. Plas.</i> , (May, 2009).	

INVITED
CONFERENCE
PRESENTATIONS

1. "Formation of Extended Current Sheets in Collisionless Hall MHD Systems"
2009 General Meeting for the Center for Magnetic Self-Organization (CMSO)
Santa Fe, New Mexico, 8 April 2009
2. "The Scaling of Forced Collisionless Reconnection in a Simple 3D System"
2008 US-Japan Workshop on Progress of Multiscale Simulation Models
Dallas, Texas, 22 November 2008

CONTRIBUTED
CONFERENCE
PRESENTATIONS

1. "Scaling of Reconnection and Formation of Extended Current Sheets in Large Collisionless Systems"
B. Sullivan, A. Bhattacharjee, H. Yang, X. Qian
50th Annual Meeting of the Division of Plasma Physics
Dallas, Texas, November 19, 2008
2. "The Scaling of Forced Magnetic Reconnection in Two and Three Dimensions"
B. P. Sullivan, and B. N. Rogers
2008 Western Pacific Geophysics Meeting
Cairns, Queensland, Australia, 31 August, 2008
3. "The Scaling of Forced Magnetic Reconnection in 2D and 3D"
B. P. Sullivan, and B. N. Rogers
GEM 2008 Summer Workshop
Midway, Utah, June 24, 2008
4. "The Scaling of Forced Magnetic Reconnection" (poster)
B. P. Sullivan, and B. N. Rogers
GEM 2005 Summer Workshop
Santa Fe, New Mexico
5. "The Scaling of Forced Collisionless Reconnection"
B. P. Sullivan, B. N. Rogers, and M. A. Shay
AGU 2005 Joint Assembly
New Orleans, Louisiana, May 24, 2005

COMPUTER SKILLS

- Languages: FORTRAN, IDL, MATLAB, VPython, C++, some use of Unix shell scripts,
- Applications: L^AT_EX, Quicktime, common Windows database, spreadsheet, and presentation software
- Operating Systems: Unix/Linux, Mac OS X, Windows.