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PROFESSIONAL PREPARATION	NORTH CAROLINA STATE UNIVERSITY (RALEIGH, NC) B.S. <i>summa cum laude</i> in Physics, elected to Phi Beta Kappa, May 1995 B.S. <i>summa cum laude</i> in Nuclear Engineering, May 1995 PRINCETON UNIVERSITY (PRINCETON, NJ) M.A. in Astrophysical Sciences, Program in Plasma Physics, Nov. 1997 Ph.D. in Astrophysical Sciences, Program in Plasma Physics, Nov. 2001
APPOINTMENTS	Vice Chair (Resources), UCLA Physics & Astronomy July 2014-present Professor of Physics, UCLA July 2011-present Associate Professor of Physics, UCLA July 2008-June 2011 Visiting Scholar, Merton College, Oxford University Summers 2009, 2010, 2012 Assistant Professor of Physics, UCLA July 2002-June 2008 DOE Fusion Energy Postdoctoral Fellow, UCLA Sept 2001-June 2002
AWARDS & HONORS	APS Fellow 2014 APS DPP Distinguished Lecturer 2009-2013 UCLA Physics & Astronomy Outstanding Teaching Award 2003-2008 NSF CAREER Award 2006 APS Excellence in Plasma Physics Research Award 2002 DOE Junior Faculty Development Award in Plasma Physics 2002 Outstanding Student Paper, SPA Section, AGU Spring Meeting 2000,2001 NASA Graduate Student Researchers Program Fellowship 1998-2001 National Science Foundation Graduate Fellowship 1995-1998 Princeton University Merit Award 1995 DOE Magnetic Fusion Technology Fellowship 1995
FIVE RELATED PUBLICATIONS	B. Friedman and T.A. Carter, "Linear Technique to Understand Non-Normal Turbulence Applied to a Magnetized Plasma," <i>Phys. Rev. Lett.</i> 113 , 025003 (2014). S. Dorfman, T. A. Carter, "Nonlinear Excitation of Acoustic Modes by Large-Amplitude Alfvén Waves in a Laboratory Plasma," <i>Phys. Rev. Lett.</i> 110 , 195001 (2013) D. A. Schaffner, T. A. Carter, G. D. Rossi, D. S. Guice, J. E. Maggs, S. Vincena, and B. Friedman, "Modification of Turbulent Transport with Continuous Variation of Flow Shear in the Large Plasma Device," <i>Phys. Rev. Lett.</i> 109 , 135002 (2012). G. G. Howes, D. J. Drake, K. D. Nielson, T. A. Carter, C. A. Kletzing, and F. Skiff, "Toward astrophysical turbulence in the laboratory," <i>Phys. Rev. Lett.</i> 109 255001 (2012). T.A. Carter and J.E. Maggs, "Modifications of turbulence and turbulent transport associated with a bias-induced confinement transition in the Large Plasma Device," <i>Phys. Plasmas</i> 16 , 012304 (2009).

Other Significant Publications	<p>D. A. Schaffner, T. A. Carter, G. D. Rossi, D. S. Guice, J. E. Maggs, S. Vincena, and B. Friedman, "Turbulence and Transport Suppression Scaling with Flow Shear on the Large Plasma Device," <i>Phys. Plasmas</i> 20, 055907 (2013).</p> <p>B. Friedman, T. A. Carter, M. V. Umansky, D. Schaffner, and I. Joseph, "Nonlinear instability in simulations of Large Plasma Device turbulence," <i>Phys. Plasmas</i> 20, 055704 (2013).</p> <p>T.A. Carter, "Intermittent turbulence and coherent structure generation in a linear magnetized plasma," <i>Phys. Plasmas</i> 13, 010701 (2006).</p> <p>J. C. Hillesheim, W. A. Peebles, T. A. Carter, L. Schmitz, T. L. Rhodes, "Experimental investigation of geodesic acoustic mode spatial structure, intermittency, and interaction with turbulence in the DIII-D tokamak," <i>Phys. Plasmas</i> 19, 022301 (2012).</p> <p>A. E. White, L. Schmitz, G. R. McKee, C. Holland, W. A. Peebles, T. A. Carter, M. W. Shafer, M. E. Austin, K. H. Burrell, J. Candy, J. C. DeBoo, E. J. Doyle, M. A. Makowski, R. Prater, T. L. Rhodes, G. M. Staebler, G. R. Tynan, R. E. Waltz, and G. Wang, "Measurements of core electron temperature and density fluctuations in DIII-D and comparison to nonlinear gyrokinetic simulations," <i>Phys. Plasmas</i> 15, 015166 (2008).</p>
Synergistic Activities	<p>Served as referee for journals (Physics Reports, Physical Review Letters, Physics of Plasmas, Plasma Physics and Controlled Fusion, Journal of Geophysical Research, Geophysical Research Letters, Physics Letters A, Reviews of Scientific Instruments) and reviewer for proposals to funding agencies (DOE, NSF, CRDF, NASA)</p> <p>Member of Executive Committees: University Fusion Association (2005-2007, 2011-2014), APS Division of Plasma Physics (2007-2010), US BPO Council (2010-2013)</p> <p>Member of Advisory Committees: DOE OFES FESAC (2014-present), Max Plank IPP Fachbeirat (2015-present), DIII-D Tokamak (2008-2011), Center for Magnetic Self-Organization Program (2009-2014), Alcator C-Mod Tokamak (2010-2012)</p> <p>Committee of Visitors, DOE Office of Fusion Energy Sciences (2009)</p> <p>Member of Editorial Boards: Journal of Plasma Physics (2014-present), Plasma Physics and Controlled Fusion (2013-present)</p>
Collaborators	<p>Recent Collaborators/Co-authors/Co-editors (14): E. Doyle (UCLA), C. Forest (U. Wisc), W. Gekelman (UCLA), W. Heidbrink (UCI), G. Howes (U. Iowa), C. Kletzing (U. Iowa), J.E. Maggs (UCLA), R. McWilliams (UCI), G.J. Morales (UCLA), W.A. Peebles (UCLA), T. Rhodes (UCLA), L. Schmitz (UCLA), F. Skiff (U. Iowa), M. Umansky (LLNL)</p> <p>Graduate Advisors (3): H. Ji, R.M. Kulsrud, M. Yamada (Princeton)</p> <p>Current Graduate Students (5): L. Bardozi, D. Guice, J. Robertson, G. Rossi, S. Tang</p> <p>Current Postdocs (1): S. Dorfman</p> <p>Former Postdocs (2): P. Popovich (Limat Capital, Zurich), B. Friedman (LLNL)</p> <p>Former Graduate Students (9): D.W. Auerbach (Blindsight Corporation, San Francisco), B. Brugman (Alliance Bernstein, NY), B. Friedman (LLNL), J.C. Hillesheim (Culham Lab, UK), D.C. Pace (General Atomics), D. Schaffner (Bryn Mawr College), A.E. White (MIT), T. Yates (Self-employed), J. Zhang (LAM Research)</p>