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Louis F. Di Mauro

RESEARCH INTEREST	interactions, ultraf	ast laser ation, qu	physics, atto antum contro	ophysics, n	PHYSICS: strong-field nonlinear optics, short, many body physics,	
EDUCATION	 1977 – 1980 Ph.D University of Connecticut. Thesis advisor: Prof. D.E. Wood Dissertation: "Spin Retention in Benzyl Radicals in an Argon Matrix" 					
	1975 - 1977	M.S.	University of	of Connection	cut	
	1971 - 1975	B.S.	Hunter Coll	ege. CUNY	,	
PROFESSIONAL EXPERIENCE	HAGENLOCKER CHAIR OF PHYSICS 2003 - present The Ohio State University Columbus,				Columbus, OH	
	SENIOR SCIENTIST 998 - 2004 Brookhaven National Laboratory Upto Joint tenure position Chemistry and NSLS				ry Upton, NY	
	SCIENTIST 1992 - 1998 • Tenure in Chem	•			ry Upton, NY	
	ASSOCIATE SCIENTI 1990 - 1992	IST	naven Nationa	al Laborato	ry Upton, NY	
	Assistant Scienti 1988 - 1990		naven Nationa	al Laborato	ry Upton, NY	
	GUEST PHYSICIST 1994 - 2000	Lawrer	nce Livermore	e Nat'l Labo	oratory Livermore, CA	
	VISITING PROFESSO 2001 – 2010		rsics at Stony Bro	ok	Stony Brook, NY	
	ADJUNCT PROFESS 1988 - 2001		YSICS at Stony Bro	ok	Stony Brook, NY	
	ASSISTANT PROFES 1984 - 1988		Рнүѕісѕ ına State Uni	versity	Baton Rouge, LA	
	MEMBER OF TECHN 1981 - 1984			ry	Murray Hill, NJ	
	POSTDOCTORAL RESEARCH ASSOCIATE 1980 - 1981 SUNY at Stony Brook Stony Brook, NY					
	Advisor: Prof. Harold Metcalf					
PROFESSIONAL ACTIVITIES	2018 NAS AMO 2017 NAS Boa 2017 BNL/DOB 2017 Series Ed 2017 co-Direct	D2020 D rd of Phy E, ATF P ditor, Adv or & Fou	rogram Advis ances in AMo nder of 1 st Att	y committenomy (3 year ory Commit OP series, I tosecond S	e ar appointment)	

PROFESSIONAL ACTIVITIES	2016 2016 2014 2012 COMMITT	NAS, High Intensity Ultrafast Laser Committee Ultrafast Phenomena Conference, General-Chair Ultrafast Phenomena Conference, Program-Chair National Academies, Vice-Chair CAMOS panel (3-year teri	
	2019 2019 2018 2018 2016 2012 2012	Leibniz Association Max Born Evaluation Panel Korean IBS Evaluation Panel Leibniz Association Max Born Evaluation Panel NSF AMOP Proposal Panel External Advisor Board, Max Planck-Heidelberg (active) Leibniz Association Max Born Evaluation Panel NSF AMOP Proposal Panel	

THESIS-ADVISOR ACTIVITIES

Graduated twenty-five Ph.D. students, eight current Ph.D. candidates, thirty post-doctoral research associates and sponsored sixteen

undergraduate research projects.

AWARDS AND SOCIETIES

2017 APS Arthur Schawlow Prize in Laser Physics

2017 Honorary Chair, ISUILS2017

2013 OSA Meggers Prize

2012 OSU Distinguish Scholar Award

2004 BNL/BSA Science and Engineering Award

Fellow of the American Physical Society Fellow of the Optical Society of America

Fellow of the American Association for the Advancement of Science

APS DAMOP

Connecticut State Predoctoral Fellowship (1978 & 1979)

SELECTED PUBLICATION (OVER 200 PUBLICATIONS):

- 1. "Above Threshold Ionization Beyond the High Harmonic Cutoff", K. J. Schafer, Baorui Yang, L. F. DiMauro and K. C. Kulander, Phys. Rev. Lett. **70** 1599-1602 (1993).
- "Intensity-Dependent Scattering Rings in High Order Above-Threshold Ionization", Baorui Yang, K. J. Schafer, B. Walker, K. C. Kulander, P. Agostini and L. F. DiMauro, Phys. Rev. Lett. 71, 3770-3773 (1993).
- 3. "Precision Measurement of Strong Field Double Ionization of Helium", B. Walker, B. Sheehy, L. F. DiMauro, P. Agostini, K. J. Schafer and K. C. Kulander, Phys. Rev. Lett 73, 1227-1230 (1994).
- 4. "Phase Control in the Two-Color Photodissociation of HD⁺", B. Sheehy, B. Walker and L. F. DiMauro, Phys. Rev. Lett. **74**, 4799-4802 (1995).
- 5. "Elastic Rescattering in the Strong Field Tunneling Limit", B. Walker, B. Sheehy, K. C. Kulander and L. F. DiMauro, Phys. Rev. Lett. 77, 5031-5034 (1996).
- 6. "Photoelectron Spectroscopy: A Probe of the Dynamics of Multiphoton Ionization", L. F. DiMauro and K. C. Kulander, Com. Mod. Phys. 1, 41-55 (1999).
- 7. "High Harmonic Generation at Long Wavelengths", B. Sheehy, J. Martin, L. F. DiMauro, P. Agostini, K. J. Schafer, M. Gaarde and K. C. Kulander, Phys. Rev. Lett. **83**, 5270 (1999).
- 8. "Scaling strong-field interactions towards the classical limit", P. Colosimo *et al.*, Nature Phys. 4, 386-389 (2008).
- 9. "Observation of high-order harmonic generation in a bulk crystal", S. Ghimire, A. D. DiChiara, E. Sistrunk, P. Agostini, L. F. DiMauro and D. Reis, Nature Phys., 7, 138 (2011).
- 10. "Imaging ultrafast molecular dynamics with laser-induced electron diffraction", C. I. Blaga, Junliang Xu, A. D. DiChiara, E. Sistrunk, Kaikai Zhang, P. Agostini, L. F. DiMauro, C. D. Lin, Nature 483, 194-197 (2012).