

Curriculum Vitae
Georgia S. Karagiorgi

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Education

2010 Ph.D., Massachusetts Institute of Technology, High Energy Physics
2008 M.Phil., Columbia University, High Energy Physics
2007 M.A., Columbia University, Physics
2004 B.Sc., Florida Institute of Technology, Physics

Academic and Research Positions Held

2015– Lecturer in Experimental Particle Physics
 School of Physics and Astronomy, University of Manchester
2010–2014 Postdoctoral Research Scientist
 Nevis Laboratories, Columbia University
2005 Research Assistant
 Department of Physics and Space Sciences, Florida Institute of Technology
2004, 2005 Research Assistant
 Detector Development Group, Brookhaven US National Lab

Area of Research and Expertise

Neutrino oscillations / neutrino phenomenology / searches for new physics in the neutrino sector / detector development for future-generation neutrino experiments / liquid argon TPC / readout electronics.

Collaboration Membership

2012– SBN Collaboration
2011– SBND Collaboration (formerly LAr1–ND)
2010– DUNE Collaboration (formerly LBNE)
2009– DAEδALUS Collaboration
2008– MicroBooNE Collaboration
2006– MiniBooNE Collaboration

Leadership and Responsibility Positions

2015–	MicroBooNE Institutional Board Member
2013–	MicroBooNE Readout Electronics Commissioning Team Leader
2012–2015	MicroBooNE Oscillation Physics Working Group Convener
2013–2014	LBNE–Young Representative to the LBNE Institutional Board
2008–2009	Fermilab Users Executive Committee for Outreach
2009–2010	Fermilab Graduate Student Association Officer

Selected Awards and Achievements

2014	IPPP Associateship, IPPP, Durham, UK
2012	Mitsuyoshi Tanaka Dissertation Award in Experimental Particle Physics, APS
2010	Lawrence Fellowship, Lawrence Livermore US National Lab (declined)
2010	Martin Deutsch Award for Excellence in Experimental Physics, MIT
2007	Doug Michael Memorial Experimental Neutrino Challenge Award
2000	CASP Undergraduate Scholarship, Cyprus Fulbright Commission

Selected Invited Talks

2015	<i>MicroBooNE to DUNE: Pushing the envelope of high-precision neutrino physics</i> INFO15 Workshop, Santa Fe, NM
2015	<i>Status of Global Fits to Sterile Neutrinos</i> Neutrino Theory and Phenomenology Workshop, Fermilab
2015	<i>Neutrino Oscillations: Have We Solved the Puzzle?</i> IoP HEPP Meeting, UK
2013	<i>Searches for New Physics through Neutrino Nucleus Coherent Scattering with DAR Sources</i> Workshop on New Directions in Neutrino Physics, Aspen, CO
2012	<i>Future liquid argon neutrino experiments</i> Nulnt Conference, Rio de Janeiro, Brazil
2012	<i>Review of short-baseline anomalies and global fits</i> NuFact Conference, College of William and Mary, VA
2012	<i>MicroBooNE and LAr1</i> Workshop on Future Short-baseline Neutrino Experiments - Needs and Options, Fermilab, IL
2012	Tanaka Prize Lecture, APS Meeting, Atlanta, GA
2010	<i>Toward solution of the MiniBooNE and LSND anomalies</i> Neutrino Conference, Athens, Greece
2010	GWIS Award-winning Science and Winter Social, Boston, MA

Outreach and Other Activities

- 2015 Neutrino Lecture at Particle Physics Masterclass, University of Manchester
- 2014 Volunteer/Guest Scientist, Science & Technology Day 2014
- 2011–2013 Particle Physics Instructor, Science Honors Program, Columbia University
- 2012 Invited Author, *White Paper on Sterile Neutrinos*
- 2012 Workshop Chair, *Sterile Neutrinos at the Crossroads*, Virginia Tech
- 2012–2013 Columbia University Particle Physics Seminar Organizer
- 2009–2011 Honorary Member, Association for Women In Science
- 2007 Member, Columbia University Graduate Admissions Committee
- 2005–2007 Member and Volunteer Organizer, Women in Science at Columbia

Publication List

Available through [INSPIRE](#).