

Pavlos Protopapas

G109, 33 Oxford St., Cambridge, MA 02138, USA
617-496-2611 pavlos@seas.harvard.edu

PROFESSIONAL PREPARATION:

Imperial College	London, UK	Physics	B.S.	1990
University of Pennsylvania.	Philadelphia, PA	Physics	Ph.D.	1996

APPOINTMENTS:

<i>School of Engineering and Applied Sciences, Harvard, Cambridge, MA</i>	7/2013-present
Scientific Program Director, Institute for Applied Computational Science	
<i>School of Engineering and Applied Sciences, Harvard, Cambridge, MA</i>	8/2009-present
Senior Lecturer	
<i>Initiative in Innovative Computing, Harvard, Harvard, Cambridge, MA</i>	1/2007-6/2009
Scientists	
<i>Harvard Smithsonian Center of Astrophysics, Harvard, Cambridge, MA</i>	8/2003-12/2013
Senior Scientists	

PRODUCTS:

PUBLICATIONS

1. D. Sondak, **P. Protopapas**, Learning a Reduced Basis of Dynamical Systems using an Autoencoder , 2020, arXiv:2011.07346
2. Flamant, C., **P. Protopapas** and Sondak, D., Solving Differential Equations Using Neural Network Solution Bundles, **2020**, arXiv preprint arXiv:2006.14372
3. Wu, W., **P. Protopapas**, Yang, Z. and Michalatos, P., Gender classification and bias mitigation in facial images, **2020**. In 12th ACM Conference on Web Science (pp. 106-114)
4. Astorga, N., Huijse, **P. Protopapas**, P. and Estévez, P., Matching Priors and Conditionals for Clustering, 2020, August, MPCC, In European Conference on Computer Vision (pp. 658-677). Springer, Cham
5. H. Jin, M. Mattheakis, **P. Protopapas**, Unsupervised Neural Networks for Quantum Eigenvalue Problems, 2020, arXiv:2010.05075

SYNERGIC ACTIVITIES

TEACHING:

<i>AM207</i> , Stochastic Optimization Methods	2011-014
<i>CS109A</i> , Introduction to Data Science	2016-2020
<i>CS109B</i> , Advanced Data Science	2018-2021
<i>AC297R</i> , Capstone Research Project Course	2015- 2017
<i>AC290R</i> , Extreme Computing	2015

ADVISING:

<i>Student supervision for masters thesis</i> : 66	2015-present
<i>Ph.D. advising</i> : 13	2012-present