

Anthony Joseph, Ph. D.

Dr. Anthony Joseph

Professor, Computer Science

Pace University New City Campus

PROFESSIONAL INTERESTS

1. Digital Signal Processing
2. Neural Networks
3. Modeling and Forecasting
4. Speech Recognition
5. Data Compression
6. Teamwork, Innovation, and Entrepreneurship

EDUCATION

<u>Institution</u>	<u>Discipline</u>	<u>Degree</u>	<u>Year</u>
City University of New York (CUNY)	Electrical Engineering	Ph.D.	1999
The City College of CUNY	Electrical Engineering	ME	1987
The City College of CUNY	Electrical Engineering	BE	1985
Academy of Aeronautics	Avionics	Associate	1977

ACADEMIC EXPERIENCE

<u>Institution</u>	<u>Department</u>	<u>Position</u>	<u>Period</u>
Pace University	Computer Science	Professor	2014 -- Present
		Associate Professor	2005 – 2014
		Assistant Professor	1999 -- 2005
La Guardia Community College	Computer Information Systems	Adjunct Assistant Professor	1999
New City Technical College	Electrical Engineering & Telecommunications	Adjunct lecturer	1995 – 1999
	Electrical Engineering	Adjunct Lecturer	1989 – 1991
	Electrical Engineering	Adjunct Lecturer	1985 -- 1987
Bronx High School of Science	Technology & Physical Science	Technology Teacher	1993 – 1994
Hostos Community College	Mathematics	Adjunct Lecturer	1990 -- 1991

GRADUATE THESIS ADVISEMENT

Master's thesis: *Comparative Economic Forecasting with Neural Networks: Forecasting Aggregate Business Sales from S&P 500 and Interest Rates*, 2007

PROFESSIONAL ORGANIZATIONS

<u>Organization</u>	<u>Period</u>
Computer Science Teachers Association (CSTA)	2006 – Present
American Society for Engineering Education (ASEE)	2005 – Present
Association for Computing Machinery (ACM)	1999 -- Present
Institute of Electrical and Electronics Engineers (IEEE)	1985 -- Present

RECENT HONORS AND AWARDS

Principal Investigator, "Technology Entrepreneurship in Computer Science," *National Science Foundation (NSF)*, Proposal No. DUE-0942732, 2010

EXAMPLES OF PUBLICATIONS

1. Anthony Joseph and Mabel Payne, "A Study of a Caribbean Nation's Secondary Education Level STEM Exit Examination Data and Possible Implications," *The International Journal of Learning: Annual Review*, Volume 20, 2013, August 2014, pp.121-133. <http://ijlar.cgpublisher.com/product/pub.287/prod.18>.

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2. H. Howell-Barber, James Lawler, Anthony Joseph, and Stuti Narula, "A Study of Cloud Computing Infrastructure-as-a-Service (IaaS) in Financial Firms," *Journal of Information Systems Applied Research (JISAR)*, Vol. 7, August 2014, pp 14-27. <http://jisar.org/2014-7/>.
3. Anthony Joseph, "Teamwork, Innovation, and Student Engagement in Technology Entrepreneurship – A Case Study," Proceedings CD-ROM of the 121st American Society for Engineering Education (ASEE) Annual Conference and Exposition, June 15-18, 2014. [Best Paper Award].
4. James Lawler, Anthony Joseph, and Stuti Narula, "Entrepreneurial Health Informatics for Computer Science and Information Systems Students," *Information Systems Education Journal*, Vol. 12, January 2014, pp. 27-41. <http://isedj.org/2014-12/n1/ISEDJv12n1p27.html>.
5. Anthony Joseph, Maurice Larrain, and Richard Ottoo, "Comparing the Forecasts of Money Demand," in C. Dagli, editor, Proceedings of the Complex Adaptive Systems Conference, November 13-15, 2013 -- *Procedia Computer Science*, vol. 20, 2013, pp. 478-483.
6. Richard Ottoo, Maurice Larrain, and Anthony Joseph, "Internal Capital Markets and patenting in Emerging Growth Firms," *International Journal of Economics and Finance*, Vol. 5, No. 9, 2013, pp. 96-109. <http://dx.doi.org/10.5539/ijef.v5n9p96>.
7. Anthony Joseph, Maurice Larrain, and Richard Ottoo, "The Current Account, the Spot Exchange Rate and the Demand for Money," *International Journal of Economics and Finance*, Vol. 4, No. 3, March 2012, pp. 13-20.
8. Claude Turner, Anthony Joseph, Murat Aksu, and Heather Langston, "The Wavelet and Fourier Transforms Feature Extraction for Text-Dependent, Filterbank Speaker Recognition," in C. Dagli, editor, Proceedings of the Complex Adaptive Systems Conference, October 31- November 2, 2011 -- *Procedia Computer Science*, vol. 6, 2011, pp. 124-129.
9. Anthony Joseph and Mabel Payne, "Computing Students Relative Use of Cooperative Education Services within an Urban University," *Proceedings CD-ROM of the 118th American Society for Engineering Education (ASEE) Annual Conference and Exposition*, June 26-29, 2011.
10. James Lawler and Anthony Joseph, "A Financial Technology Entrepreneurship Program for computer science Students," *Information Systems Education Journal*, Vol. 9, No. 1, April 2011, pp. 53-59. <http://isedj.org/2011-9/N1/ISEDJv9n1p53.pdf>
11. Anthony Joseph and Mabel Payne, "An Essential Partnership for Preparing Students to Work in the Global Knowledge Economy," *The International Journal of Learning*, Vol. 17, No. 11, 2011, pp. 418-428. <http://www.Learning-Journal.com>
12. James Lawler and Anthony Joseph, "Educating Information Systems Students on Business Process Management (BPM) through Digital Gaming Metaphors of Virtual Reality," *Information Systems Education Journal*, Vol. 8, No. 6, February 2010. <http://isedj.org/8/6/>.
13. James Lawler, Anthony Joseph, Pascale Vandeputte, "A Study of the Impact of Dress Model Technology on Intention to Buy on Evolving e-CRM European Union Web Sites," *Journal of Information Technology, and Organizations*, Vol. 3, 2008, pp. 41-60. <http://www.jiito.org/view.html>.
14. Anthony Joseph, Maurice Larrain, and Eshwar Singh, "Forecasting Real Inventories and Anomaly of Money Illusion," *Business Economics*, January 2008, pp. 29-40.
15. James Lawler, Pascale Vandeputte, Anthony Joseph, "An Exploratory Study of Apparel Dress Model Technology on European Web," *Journal of Information Technology, and Organizations*, Vol. 2, 2007, pp. 31-46. <http://www.jiito.org/view.html>.
16. Anthony Joseph and Claude Turner, "A Method to Secure More Reliable Online Business Transactions," *Proceedings CD-ROM of the International Conference on Computing and e-Systems, TIGERA-2007*, March 12-14, 2007.

EXAMPLES OF RECENT PROFESSIONAL DEVELOPMENT ACTIVITIES

1. NSF sponsored Computing Education for the 21st (CE21) Century 2012 Community Meetings (2012 & 2014)
2. NSF I-Corps and Proposal Review webinars (2012)
3. NSF ITEST National STEM Learning Resource Center webinars (2012 & 2014)
4. STEM Salon Change the Equation (2012)
5. NSF and AAAS sponsored 2011 TUES/CCLI Principal Investigator Conference (2011)

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6. Presentation to students and faculty in the Mathematics department Math/CS seminar series course: 1) The Benefits of Teamwork Skills in Today's Work Environment (2012-2014) and 2) Data Mining (2011).

SERVICE ACTIVITIES

Some examples of service activities within the university include the following:

1. Urban Male Initiative (2011 – present)
2. School of Education (SOE)/Urban Assembly Partnership in bridging the gap (2011 -- 2013)
3. New York Faculty Council's Council of Deans and Faculty on Promotion and Tenure (CDFPT) Appeals Committee (2011 – 2013)
4. New York Faculty Council's Grievance Committee (2011 – 2013)
5. New York Faculty Council's Scholastic Standing Committee (2006 – 2007, 2011 -- 2013)
6. Seidenberg School of Computer Science and Information Systems (SCSIS) Executive Committee -- Secretary (2010 – 2012)
7. New York Faculty Council's Scholarly Research Committee (2005 – 2007, 2009 – 2011, 2013 -- present)
8. New York Faculty Council's CDFPT (2008 – 2009)
9. Employee Recognition Nomination Committee (2008)
10. Department of Computer Science Curriculum Committee (2008 – 2014)
11. New York Faculty Council's Admission and Retention Committee (2007 – 2013)
12. Department of Computer Science Course Coordinator (2006 – present)

Some examples of service activities outside the university include the following:

1. National Science Foundation (NSF) Proposal reviewer (2004 – present)
2. Books and journal and Conference paper Reviewer (2001 – present)
3. High School Outreach and Recruitment (2006 – present)
4. High School Science and Engineering fair – Judge (2001 -- present)