Curriculum Vitae
Sotiris Skevoulis

Highlights of Qualifications

- Exceptional teaching, training and research record.
- Excellent presentation, communication, and analytical skills.
- Exceptional project management, organizational, and interpersonal skills.
- Effective team member who is comfortable with leading and collaborating.

Education
Ph.D   Computer Science, DePaul University, Chicago, IL, June 1999
M.S.   Computer Science, Fairleigh Dickinson University, Teaneck, NJ,
          February 1993
B.S.   Applied Mathematics, University of Patras, Greece, November 1988
          (minor in music theory and violin)

Employment
Administrative Appointments
Program Chair
(Sept. 2010 – present)
Software Engineering & Corporate Education
Seidenberg School of Computer Science and Information Systems,
Pace University
New York City Campus

Department Chairperson, Computer Science (Sept. 2004 – Sept. 2010)
Seidenberg School of Computer Science and Information Systems,
Pace University
New York City

Academic Appointments
Professor (Sept. 2009 – present)
Seidenberg School of Computer Science and Information Systems,
Pace University
New York City Campus

Tenured Associate Professor   Sept. 2003 – Aug. 2009
Seidenberg School of Computer Science and Information Systems,
Pace University
New York , NY

Tenure track Assistant Professor Aug. 1999 – Aug. 2003
School of Computer Science and Information Systems,
Pace University
New York , NY

Consulting

Bank of New York Mellon (BNYM), 2006 – 2015
Design of curriculum and delivery of the following programs:

- Advanced Graduate Certificate in Secure Software & Information Engineering
- Master's in Software Engineering on site utilizing global online presentation facilities of BNYM to educate/train it employees.

Teaching and Training Courses Taught

Programming Languages	Operating Systems	Software Engineering
Java 2 API, Building Interfaces	Unix Fundamentals	Software Engineering Principles
Programming Fundamentals with Java	Linux Shell Programming	Object Oriented Modeling using
Advanced Programming with Java		Unified Modelling Language
Java Applets and Web Development		Secure Software Design
Enterprise Java Beans		Business Critical Systems
C++ For Business Programmers		Verification & Validation
Software Development with C		Design Patterns
JavaScript Language		

Invited Professional Talks/Presentations/Participations (National & International)

- Keynote speaker. Extending the Internet of Things: From Smart Cities to Smart Villages, Challenges & Opportunities. July 2017, 5th Annual Meeting, Sardinia, Greece

- Keynote Speaker.   4th International Conference on IEEE Signal Processing and Integrated Networks (SPIN) February 2017, New Delhi, India

- Title: *National Symposium. Emerging Pedagogies for the New Millennium.* Faculty Resource Network Symposium, November 2011, Puerto Rico

- Computing Research Association Leadership in Science Policy Institute (LiSPI) Washington DC, November 2011

- Title: *Engineering a Successful Partnership Between Academia and the Financial Industry: A Software Engineering Program for IT Professionals.* May 2011, Honolulu, Hawaii

- Title: "*Professional Development Day for NYC Math Teachers*", November 2010

- Title: *Acquiring Funding for Faculty Student Collaboration: A Workshop and Report from the Council on Undergraduate Research Dialogues Conference* New York City, September 2009

- *A Software Supported Health Risk Appraisal Method: A Joint Effort between Academia and Health Care Industry.* February 2009, Hyderabad, India

- Title: *An NSF Sponsored Project to Enhance Formal Methods Education.* Informatics Education Europe, Teaching Formal Methods Workshop, Thessaloniki, Greece. November 2007

- Title: *Software Engineering: The road to a rigorous software development education and practice.* Part of the "Distinguished Lecturer Series", Formal Invitation by the Dean of AIT. Speakers at this series include professors from Harvard and Carnegie Mellon, June 2006 http://www.ait.edu.gr/publevents/seminar_series.asp

- Title: *Pace University and Blended Learning.* (with David Sachs and Nancy Hale) Asynchronous Learning Networks, Sloan-C Foundation, November 2006

- Title: *Formal Methods Education*, at the Engineering and Computing Education Grantees Meeting, National Science Foundation, CISE/EHR/ENG, February 2005, Washington, D.C.

Creative Activities

- **Establishing and Leading of CAFME Research Center**
  Faculty members of the Center for the Advancement of Formal Methods Education have received hundreds of thousands of dollars in research grants from NSF and other government sources

- **Research Grants**
  [1] Title: "*Integrating Formal Methods Tools into the Undergraduate Curriculum*". Award # DUE-0126991. Awarded by **National Science Foundation**, 2002-2005. The proposal ranked **third** out of 100 submitted proposals.
  [2] A Web based Collaborative Repository for Formal Methods Tools to Assist in Software Development. Summer Research Grant, $*6,000*,   School of Computer Science and Information Systems, Pace University

- **New Academic Program Development**
  o A Graduate Program in Software Engineering (with Frank Marchese). The program was the first of its kind in the entire NYC metropolitan area. (2002)

  o Advanced Certificate in Secure Software & Information Engineering with Bank of New York Mellon. (2006)

  o A Bachelor's of Science in Software Engineering. The program is the first of its kind in the NYC metro area and is totally aligned with Mayor Bloomberg's initiative in High School Software Engineering education

- **Development of Business Collaborations with Industry**

  o *Memorial Sloan Kettering Cancer Center* acted as a client for our Graduate Software Engineering students who develop software for use by the library and the medical personnel at Memorial Hospital 2004 - 2008

  o Collaborative project between our *Seidenberg School and Pfizer Pharmaceutical* on the use of Information Technology to reduce health related costs 2008-2009

Honors/Awards
- o *Speaker Award*. 4th International Conference on IEEE Signal Processing and Integrated Networks (SPIN) February 2017, New Delhi, India
- o *Excellence in Research Award 2001*. Awarded by the School of Computer Science and Information Systems, for exceptional achievement in Research.
- o *Award of Excellence*: Awarded by DePaul University for three consecutive years, in May 1999, May 1998 and May 1997, for exceptional achievements in teaching.

Refereed Publications <u>co-authored</u> with Students

[1] *Engineering a Software Supported Health Risk Appraisal Method: A Joint Effort between Academia and Health Care Industry.* Co-authored with students. Published in the Proceedings of IEEE-CS Conference on Software Engineering Education & Training. February 2009, Hyderabad, India

[2] *Podcasts: changing the face of e-learning*. Co-authored with student Saby Tavales. Published in the Proceedings of the 2006 International Conference on e-Learning, e-Business, Enterprise Information Systems, e-Government, and Outsourcing. Las Vegas, NV. June 2006

[3] *Integrating Formal Methods Tools Into Undergraduate Computer Science Curriculum.* (Abstract) Co-authored with undergraduate student Maria Falidas. Published in the Proceedings of the 7th Annual ACM SIGCSE Conference on Innovation and Technology in Computer Science Education (ITiCSE), June 2002, Aarhus, Denmark

[4] *Working with a Formal Methods Based Static Analysis Tool to Detect Errors in Java Programs.* Co-authored with undergraduate student Maria Falidas who received a **national scholarship** for her work. Published at ACM's Richard Tapia Celebration of Diversity in Computing symposium proceedings Houston, TX, October 2001

Refereed Publications

- ➤ *Security Loopholes in Cloud Computing.* 8th Annual International Conference on Computer Science Education: Innovation & Technology October 2017

- ➤ *Software Security and Reliability in Financial Organizations: A multi-layered approach to delivering Safe, Secure and Reliable Software*, Proceedings of the The 2017 IAENG International Conference on Software Engineering, Hong Kong, March, 2017

- ➤ *Bridging the Intellectual Gap in Classrooms: Coaching College Students to Teach Each Other*: Proceedings of the 9th Annual International Conference of Education, Research and Innovation (iCERI 2016), November 2016, Seville, Spain

- ➤ *IT Transformation: Strategy and Techniques for Managing IT Transformation* 12th International Conference in Computer Science and Information Systems, Institute For Education and Research, May 2016

- ➤ *Engineering a Successful Partnership Between Academia and the Financial Industry:*

> *A Software Engineering Program for IT Professionals* Published in the Proceedings of IEEE sponsored Conference on Software Engineering Education & Training. May 2011, Honolulu, Hawaii

> *Engineering a Software Supported Health Risk Appraisal Method: A Joint Effort between Academia and Health Care Industry* In the Proceedings of IEEE sponsored Conference on Software Engineering Education & Training. February 2009, India

> *Podcasts: Changing the face of e-learning*. Co-authored with student Saby Tavales. Proceedings of the 2006 International Conference on e-Learning, e-Business, Enterprise Information Systems, e-Government, and Outsourcing. Las Vegas, NV. June 2006

> *Integrating Formal Methods Tools into Undergraduate Computer Science Curriculum*. Published in 36th ASEE/IEEE Frontiers in Education Conference Proceedings, October 2006, San Diego, CA

> *JAIDE: A Formal Methods Based Student Assistant Tool in Developing Java Programs.* Computer Science and Information Systems Journal, Editor: Dr. Petratos, ISBN: 960-88672-3-1, by the Athens Institute For Education and Research , pages: 313 – 327, *June 2005.*

> *Integrating Formal Methods Tools Into Undergraduate Computer Science Curriculum*. (Abstract) Co-authored with undergraduate student Maria Falidas. Published in the Proceedings of the 7th Annual ACM SIGCSE Conference on Innovation and Technology in Computer Science Education (ITiCSE), June 2002, Aarhus, Denmark

> *A Formal Methods Based Static Analysis Approach for Detecting Runtime Errors in Java Programs*. Published in the Proceedings of the ECOOP 2000 Workshop on Formal Techniques for Java Programs. Proceedings of ECOOP2000 Fernuniversitaet Hagen. June 2000, Sophia-Antipolis, France

> *Generic Invariant-Based Static Analysis Tool for Detection of Runtime Errors in Java Programs.* Published in the Proceedings of Technology of Object Oriented Languages and Systems International Conference. (TOOLS-Pacific). IEEE Computer Press. November 2000, Sydney, Australia.

> *Applying an Invariant Based Approach to Detecting Illegal Array Bounds in Java.* Published in the Proceedings of the 4th International Conference on Systemics, Cybernetics and Informatics, July 2000, Orlando, FL.

> *A Generic Approach of Static Analysis for Detecting Runtime Exceptions in Java Programs*. Published in the Proceedings of the 23rd Annual IEEE International Computer Software and Application Conference (COMPSAC'99). October 1999, Phoenix, AZ.

> *Detecting Null Pointer Violations in Java Programs*. Published in proceedings of the 23rd Annual IEEE International Computer Software and Application Conference (COMPSAC'99). October 1999, Phoenix, AZ.

> *Venus: A User's Guide*. DePaul ISE Internet Z archive, August 1998. Available via the

web at http://saturn.cs.depaul.edu/~fm.

- ➤ *Venus: A C++ Code Generation Too*l. A White Paper, August 1997. Available via the web at http://saturn.cs.depaul.edu/~fm.

Professional Contributions

Reviewer of Books, Journals and Conference Manuscripts

- ➤ *Reviewer* for IEEE's Transactions on Education manuscripts, 2013 - present

- ➤ *Reviewer* for Software Engineering Research, Management and Applications, August 2011, Baltimore

- ➤ *Referee* - ACM International Student Research Competition http://www.acm.org/spost/reflist.htm

- ➤ *Reviewer* of a textbook published by Addison-Wesley in 2003. I participated in the preparation of the textbook "Object-Oriented Software Development Using Java" by Xiaoping Jia. My name is listed in the acknowledgements section where the authors thanks me for my "many contributions

- ➤ *Reviewer* for the National Science Foundation (NSF) since 2001 to present

Program Committee Member

- ➤ Session Chair, The 25th International Multi-Conference of Engineers and Computer Scientists, IMECS 2017, Hong Kong

- ➤ Program Committee Member. 5th International Conference on Smart Computing and Artificial Intelligence (SCAI 2017), July 9-13, 2017 in Hamamatsu, Shizuoka, Japan

- ➤ *Program Committee Member* for the 11th IEEE International Conference on Computer and Information Science, June 2012, China

- ➤ *Program Committee Member* 13th ACIS International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing, August 2012, Kyoto, Japan
- ➤ *Member of the Organizing Committee* for international Conference on Software Engineering Education and Training (CSEE&T 2003). Madrid, Spain.

- ➤ *Member of the Program Committee* for The 2nd Educators Symposium of the ACM/IEEE 9th International Conference on Model Driven Engineering Languages and Systems (MoDELS), 2006 http://www.disi.unige.it/researchsites/models06/educators_symposium.php

- ➤ *Presenter*: Sloan Conference on Online Course Delivery, November 2006, Orlando FL. http://www.sloanconsortium.org/conference/proceedings/2006/index

- *Panelist: 15th* Conference on Software Engineering Education and Training. (CSEET'02), February 25, Covington, Northern Kentucky.

- *Presenter* at the "Technology of Object Oriented Languages and Systems" International Conference. (TOOLS-Pacific)*. November 2000, Sydney, Australia.

- *Presenter.* 2nd ECOOP WorkShop on Formal Methods for Java Programs, Sophia- Antipolis, France, June 12, 2000

- *Presenter*: 23rd Annual International Computer Software and Application Conference. October 26-31, 1999, Phoenix, AZ.

- *Presenter*: 22nd Annual International Computer Software and Application Conference. August 17-22, 1998, Vienna, Austria.

Professional Memberships and Community Contributions

- ACM, Association for Computing Machinery

- IEEE, Computer Society

- IAENG International Association of Engineers, Senior Member

- FME, Formal Methods Europe

- Olympic Protocol Assistant,
  Worked for the Athens 2004 Olympic Games

- World Council of Hellenes Abroad (SAE)
  Senior Advisor to the Chairman of Communications Committee

References

Available upon request.