CURRICULUM VITAE
OF
Peter J. Clarke
School of Computing and Information Sciences
College of Engineering and Computing
August 2017
EDUCATION

<table>
<thead>
<tr>
<th>Degree</th>
<th>Institution</th>
<th>Field</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ph.D.</td>
<td>Clemson University</td>
<td>Computer Science</td>
<td>2003</td>
</tr>
<tr>
<td>M.S.</td>
<td>Binghamton University, SUNY</td>
<td>Computer Science</td>
<td>1996</td>
</tr>
<tr>
<td>*Adv. Dip.</td>
<td>University of the West Indies Cave Hill Campus</td>
<td>Computer Science</td>
<td>1993</td>
</tr>
<tr>
<td>B.Sc.</td>
<td>University of the West Indies Cave Hill Campus</td>
<td>Computer Science and Mathematics</td>
<td>1987</td>
</tr>
</tbody>
</table>

*Equivalent to the first year of an MS degree.

FULL-TIME ACADEMIC EXPERIENCE

<table>
<thead>
<tr>
<th>Institution</th>
<th>Rank</th>
<th>Field</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>School of Computing and Information Sciences (SCIS) Florida International University (FIU)</td>
<td>Associate Professor</td>
<td>Computer Science</td>
<td>08/09 - present</td>
</tr>
<tr>
<td>SCIS, FIU</td>
<td>Assistant Professor</td>
<td>Computer Science</td>
<td>08/03 – 07/09</td>
</tr>
<tr>
<td>Barbados Community College</td>
<td>Lecturer</td>
<td>Mathematics and Computer Science</td>
<td>09/87 -07/99</td>
</tr>
</tbody>
</table>

PART-TIME ACADEMIC EXPERIENCE

<table>
<thead>
<tr>
<th>Institution</th>
<th>Rank</th>
<th>Field</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Computer Science, Clemson University</td>
<td>Graduate Assistant</td>
<td>Computer Science</td>
<td>08/99 -06/03</td>
</tr>
<tr>
<td>Department of Computer Science, University of the West Indies, Cave Hill</td>
<td>Adjunct Lecturer</td>
<td>Computer Science</td>
<td>08/96 -05/99</td>
</tr>
</tbody>
</table>
EMPLOYMENT RECORD AT FIU

<table>
<thead>
<tr>
<th>Rank</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate Professor</td>
<td>08/09 - present</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>08/03 – 7/09</td>
</tr>
</tbody>
</table>

PUBLICATIONS IN DISCIPLINE

All publications listed are peer reviewed unless indicated by “NPR”.

Books
N/A

Articles (Accepted on Full Paper Peer-Review)
* Indicates that lead authors are my advisees.


9. Barrett R. Bryant, Jeff Gray, Marjan Mernik, Peter J. Clarke, Robert B. France, Gabor


Proceedings (Accepted on Full Paper Peer-Review)

* Indicates that lead authors are my advisees.


Other (Article in Professional Computer Magazines)


Other Advisee Publications (*Undergraduate REU advisees, *PhD advisees):


Posters:

Chapters in Books

Government Reports or Monographs
N/A

Editorials

Edited Volumes


**Book Reviews**

N/A

**Technical Reports**


**PRESENTED PAPERS, LECTURES, EXHIBITIONS, AND PERFORMANCES**


3. “Using WReSTT Cyberlearning Environment in the Classroom”. June 18th, 2014 American Society for Engineering Education (ASEE) Annual Conference Columbus, Ohio, 06/25 - 06/28


9. “Notes from the Field” Faculty Fellows Symposium. FIU STEMposium, February 5, 2016.


15. “Synthesizing User-Defined Models in a Domain-Specific Virtual Machine”, April 4th 2014, Computer Science Department Colloquium at Old Dominion University.


19. “Model-Driven Development of i-DSML Execution Engines”. October 2 2012, Models@Runtime workshop, Satellite event at the ACM, IEEE MODELS 2012 Conference. Innsbruck Austria. (Refereed)


44. “Using a Taxonomy to Analyze Classes During Implementation-based Testing”, presented paper at the 8th IASTED Software Engineering Applications (SEA), November 11 2004, University Hotel, MIT, Cambridge. (Refereed)


CREATIVE WORK


WORKS IN PROGRESS

Other completed papers

1. Nicole Ruggiano, Ellen L Brown, Lisa Roberts, Vagelis Hristidis, and Peter J. Clarke. Extending Health Information Technology to Enhance Primary Care for Older Hispanics with Dementia and Support Hispanic Caregivers. Gerontological Society of American Meeting. Annual Scientific Meeting, 2016 (accepted 06/15/16)
Patent Submitted


Research in Progress

1. Collaborating with Dr. Tariq King, Ultimate Software to develop techniques for self-testing of autonomic software.

2. Collaborating with Dr. Yujian Fu at Alabama A&M University, Dr. James Kiper at Miami University Ohio, and Dr. Gursimran Walia to develop learning materials to integrate testing into undergraduate CS/IT programming courses. http://wrestt.cis.fiu.edu/

Grant Proposals

Pending:

Funded Research

1. Dr. Monique Ross (PI), Dr. Peter J. Clarke (Co-PI), Dr. Geoffrey Potvin (Co-PI) and Dr. Mario Eraso (Snr Iv.). Title: “Exploration and Design: Understanding the implications of gamification on women computer science students’ engagement and women-CS fit”. Agency: NSF, DUE: 1712116. Dates: 05/01/17 – 04/30/20. Value of award $300K.

2. Dr. Peter J. Clarke. Title: Ultimate Software Graduate Research Assistant -Software Testing Lab”. Donor Ultimate Software Group Inc. Value of award $51K for one year. Dates: 05/01/17 to 08/20/18.

3. Dr. Ingrid Buckley (PI), Dr. Bogdan Carbunar (FIU-PI), Dr. Peter J. Clarke (Co-PI), and Dr. Francisco Ortega (Co-PI). Title: “Using a Cyberlearning Environment to Enhance Critical Cybersecurity Education”. Agency: Florida Center for Cybersecurity (FC2), Dates: 06/01/2017 – 05/31/2018. Funds requested $95,437. FIU’s share $58,666.

4. Dr. Peter J. Clarke (Lead PI), Dr. Geoff Potvin (Co-PI), Dr. M. O. Thirunarayanan (Co-PI), Dr. Debra Davis (Co-PI) - Florida International University (FIU) lead institution, DUE-1525112; Dr. Yujian Fu (PI) and Dr. Nelson Barnes (Co-PI) – Alabama A&M University, DUE-1525120; Dr. Edward Jones (PI) - Florida A&M University, DUE-1525555; Dr. Ingrid Buckley (PI) - Florida Gulf Coast University, DUE-1562773; Dr. Andrew Allen (PI) - Georgia Southern University, DUE-1525208; Dr. James Kiper (PI) - Miami University Ohio, DUE-1525131; Dr. Gursimran Walia (PI) – North Dakota State University, DUE-1525414; and Ms. Debra Duke (PI) – Virginia Commonwealth University, DUE-1525125.. Project title: “Collaborative Research: Engaged Student Learning - Design and Development Level II: Using a Cyberlearning Environment to Improve Student Learning and Engagement in Software Courses”. Agency: NSF. Dates: 09/01/15 – 08/31/19. Value of award: $1.84M for 4 years. FIU’s share $822K.

5. Dr. Peter J. Clarke. Supplemental award for “Type 2 Collaborative Project: Integrating Testing into Advanced CS/IT Courses Supported by a Cyberlearning Environment”, Agency: NSF. Supplement to DUE-1225742. Dates: 06/01/15 to 07/31/16. Value of award $15.6K.

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Program. Value of award $50K for 6 months. Dates 09/01/14 – 02/28/15.

7. Dr. Peter J. Clarke (Lead-PI), Dr. Debra Davis (Co-PI) – Florida International University (FIU) lead institution, DUE-1225742; Dr. Tariq M. King (PI) - North Dakota State University, DUE-1225972; Dr. James Kiper (PI) Miami University-Ohio, DUE-1224411; and Dr. Yujuan Fu (PI) and Dr. Nelson Barnes (Co-PI) Alabama A&M University, DUE-1225654. “Type 2 Collaborative Project: Integrating Testing into Advanced CS/IT Courses Supported by a Cyberlearning Environment”, Agency NSF. Dates: 08/15/12 – 07/31/15. Value of award $600K for 3 years. FIU’s share $360K.

8. Dr. Masoud Milani (PI), Dr. Xudong He (Co-PI), Dr. Peter J. Clarke (Co-PI) and Dr. Christine Lisetti (Co-PI). “GAANN Fellowships in Computer Science at FIU”, Agency: US Dept of Ed., Dates: 08/01/2009 to 07/31/2012. Value of award $643K for 3 years.


10. Dr. Yi Deng (PI), Dr. Xudong He (Co-PI), Dr. Naphtali Rishe (Co-PI), Dr. Malek Adouadi (Co-PI), and Dr. Armando Barreto (Co-PI). "CREST: Center for Innovative Information Systems Engineering". Agency: NSF HRD-0833093. Dates: 8/1/08 to 7/31/13. Amount $5M. Role: Senior Investigator.

Subproject: Dr. Xudong He (PI), Shu-Ching Chen (Co-PI), Peter J. Clarke (Co-PI), Xiaowen (Jason) Liu (Co-PI), S. Masoud Sadjadi (Co-PI), and Armando Barreto (Co-PI). CREST "Complex System Modeling, Analysis and Realization (CS-MAR)". Role in subproject: Co-PI.


15. Dr. Masoud Milani (PI), Dr. Tao Li (Co-PI), Dr. Peter J Clarke (Snr. Inv.), Dr. Raju Rangaswami (Snr. Inv.), Dr. S. Masoud Sadjadi (Snr. Inv.), and Dr. Chi Zhang (Snr. Inv.). “Research Experiences for Undergraduates: Autonomic Computing Research at FIU” Agency: NSF IIS-0552555, Dates: 02/15/2006 to 01/31/2009. Value of award $ 300K for 3 years.

PATENT DISCLOSURES, APPLICATIONS, AND AWARDS

1. Yi Deng, S. Masoud Sadjadi, Steve Luis, Peter J. Clarke, Chi Zhang, Vagelis Hristidis, and


PROFESSIONAL HONORS, PRIZES, FELLOWSHIPS

Department

- SCIS Excellence Award in Student Mentorship, 2011.
- SCIS Excellence Award in Student Mentorship, 2008.

School/College

- CEC Faculty Mentorship Award, 2016.

University

- 2015-2016 Outstanding Organization in the Engineering Community, FIU Council for Student Organizations (Faculty Advisor)
- STEM Transformation Institute’s Founding Faculty Fellow, 2015

Other

- South Florida’s Top Black Educator Award of 2016
- 2015-2016 Outstanding National Chapter Award, Upsilon Pi Epsilon (Faculty Advisor)
- Travel Grant to attend 2008 National Science Foundation Advanced Grant Writing Conference February 11-12, 2008.
- Travel Grant to attend the NSF Grant Writing Workshop on February 27-28, 2007.
- QEM Travel award valued at $ 452 - Quality Education for Minorities (QEM) Network Workshop for the NSF’s Faculty Early Career Development (CAREER) Program. February 2005
• NSF Travel award valued at $1800 - Educators Grant Program co-located with SIGSOFT, FSE12. November 2004.
• Outstanding Doctoral Student, April 2003, Clemson University Computer Science Department.
• Outstanding Graduate Teaching Assistant, April 2001, 2002, 2003, Clemson University Computer Science Department.
• Fulbright-LASPAU Scholarship to pursue a Masters in Computer Science, August 1994, SUNY- Binghamton.

OFFICES HELD IN PROFESSIONAL SOCIETIES

• Member, Association for Computing Machinery (ACM). Including Special Interest group in Software Engineering (SIGSOFT), Special Interest group in Computer Science Education (SIGCSE), and Special Interest group in Applied Computing (SIGAPP). Member since 2000.
• Member, Institute of Electrical and Electronics Engineers (IEEE), including IEEE Computer Society member since 1999, IEEE Education Society member since 2011.
• Founding member of the Association for Software Testing.
• Active-for-life member of The Honor Society Phi Kappa Phi, September 2004.
• Member, American Society for Engineering Education (ASEE), member since 2014.
• Past Member, International Association of Science and Technology for Development (IASTED)

OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE

Research Activities

dissertation/thesis directed:
• Karl Morris – PhD Dissertation “A Middleware to Support Services Delivery in a Domain-Specific Virtual Machine” graduated Summer 2014. Major Advisor. GAANN Fellowship Awardee, Fall 2010. Dr. Morris is currently a non-tenure-track assistant professor at Temple University.
• Mark Allison – PhD Dissertation “A Generic Model of Execution for Synthesizing Interpreted Domain-Specific Models” graduated Summer 2014. Major Advisor. Dr. Allison is currently a tenure-track assistant professor at University of Michigan at Flint.
• Tariq King - PhD Dissertation “A Self-Testing Approach for Autonomic Software” graduated Summer 2009. Major Advisor. NSF PIRE Awardee, Internship at China IBM Research Lab, Summer 2008. Dr. King was a tenure-track Assistant Professor in the Department of Computer Science at North Dakota State University until 2012. Currently Director of Software Test Engineering at Ultimate Software.
• Richard Whittaker - PhD Dissertation “Collaborative Mediation” graduated Spring 2009. Major Advisor. PhD Student in Economics at FIU.
• Jose Morales – PhD Dissertation “A Behavior Based Approach to Virus Detection” graduated Spring 2008. Co-Major Advisor. Dr. Morales was a Research Assistant Professor in the Institute for Cyber Security at the University of Texas at San Antonio 2008 - 2011. He is currently a researcher at the CERT Division at Carnegie Mellon University.
• David Crowther – MS Thesis “Analyzing Characteristics of Java Classes as Related to Implementation-Based testing”, graduated Summer 2005. Major Advisor. Mr. Crowther is currently Lead Programmer/Analyst at Bristol West.

Major Advisor:
• Rodlofo Cruz – expected to take the candidacy exam in Fall 2014. Terminated Fall 2014.
• Djuradj Babich – completed PhD proposal Summer 2010, Terminated Fall 2010.
• Frank Hernandez - passed PhD candidacy exam Spring 2011, expected PhD proposal date Summer 2012. GAANN Fellowship Awardee, Fall 2009. Terminated Spring 2013.
• Juan Carlos Martinez – expected PhD proposal date TBA, expected graduation date Spring TBA. On leave Summer 2011. Terminated in Fall 2011.

PhD Dissertation Committee:
• Mershack Okoe – completed proposal in Spring 2015, graduated Summer 2016. PhD Advisor Dr. Radu Jianu
• Zhuo Sun – expected proposal
• Francisco Ortega – graduated Fall 2014, PhD Advisors: Dr. Naphtali Rishe and Dr. Armando Barreto
• Su Liu – proposal Spring 2013, graduated Summer 2014. PhD Advisor: Dr. Xudong He
• Barbara Espinoza – proposal Spring 2013, graduated Spring 2014. PhD Advisor: Dr. Geoffrey Smith
• Zheng Cui – proposal Spring 2013, graduated Fall 2013. PhD Advisors: Dr. Shu-Ching Chen and Dr. Keqi Zhang
• Abhishek Bhattacharya – graduated Summer 2012. PhD Advisor: Dr. Zhenyu Yang
• Rafael Alpizar – graduated Spring 2011. PhD Advisor: Dr. Geoffrey Smith
• Reng Zeng – graduated Summer 2012. PhD Advisor: Dr. Xudong He
• Lily Chang – graduated Spring 2011. PhD Advisor: Dr. Xudong He
• Fernando Farfan – graduated Fall 2009. PhD Advisor: Dr. Evangelos Christidis
• Gonzalo Argote – graduated Spring 2009. PhD Advisor: Dr. Xudong He
• Irene Polycarpou – graduated Spring 2008.
• Weixiang Sun - graduated Spring 2008
• Onyeka Ezenwoye - graduated Summer 2007.
• Yujian Fu - graduated Spring 2007.
• Li Yang, and Qasem Kharma, graduated Summer 2005.

PhD Candidacy Committees:

Jonatan Alava, Andrew Allen, Mark Allison, Gonzalo Argote, Djuradj Babich, Xabriel J. Collazo-Mojica, Barbara Espinoza, Onyeka Ezenwoye, Fernando Farfan, Yujian Fu, Yu Hang, Frank Hernandez, Qasem Kharma, Tariq King, Su Liu, Ziyuan Meng, Jose Morales, Karl Morris, Francisco Ortega, Leonard Reisman, Ramakrishna Varadarajan, Yingbo Wang, Richard Whittaker, Yali Wu, Miaohua Xu, Reng Zeng, Sun Zhuo.

MS Thesis committees:

Mani Shafaaatdoost – graduated Fall 2012.
Gowthami Thota – graduated Fall 2010.
Harini Kondamudi – graduated Summer 2010
Fernando Trigoso – graduated Summer 2007
Sylvia Miner – graduated Summer 2004

Honors College Thesis Directed:


Research Mentor:

• Research mentor for four (4) REU students: Paola Boettner, Courtney Enoex, Mansi Gupta, and Jairo Pava. Summer 2008. NSF REU Grant IIS-0552555.
• Jairo Pava (Sarah and Solomon Rosenberg Scholarship recipient) and Tiffany Brown Honors College students.
• Research mentor for four (4) REU students: Barbara Morales, Alain E. Ramirez, Sean Leslie and Ricardo Tirado. Summer 2007. NSF REU Grant IIS-0552555.
• Research Mentor for two (2) REU students: Ronald Stevens and Brittany Parson. Summer 2006. NSF REU Grant IIS-0552555.

Graduate Students Supported on Grants

• Steve Foo (Fall 2015 – Fall 2016)
• Anjli Chhatwani (Summer 2016 – Fall 2016)
• Hussain Suttarwala (Spring, Summer Fall 2015)
• Raymond Chang-lau
• Andrew Allen
• Tariq King

Undergraduate Students Supported on Grants

• Alan Nieto (Sprin 2016 to Fall 2016)
• Steve Foo (Fall 2014 to Fall 2015)
• Eric Weiterman (Fall 2013 to Spring 2014)

Research Groups:
Teaching Activities

Graduate Courses:
- CEN 5076 Software Testing - Fall 2004, Fall 2005, Fall 2006, Fall 2007, Fall 2008, Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2016.

Undergraduate Courses:
- COP 4555 Programming Languages - Fall 2007 (Jamaica Program)
- CIS 4911 Senior Project – Fall 2008, Spring 2009, Fall 2009, Spring 2010, Fall 2010, Spring 2011, Summer 2011, Spring 2012 (co-taught), Summer 2012 (co-taught).

Courses Developed:
- CEN 5076 Software Testing
- CIS 4911 Senior Project
- CEN 4072 Fundamentals of Software Testing

Senior Projects Mentored:
- Fall 2008
  - FIU Maps. Yudiesly Herrera, Jairo Quintana, Carlos Perez, Rolando Ramos.
- Fall 2009
  - SecureOne. Alina Gayazova, Alina Gayazova
- Spring 2010
  - Panther Station. Dayana Paez, Jonatan Gonzalez, Alexander Kintis
  - Know Your Peer (KYP). Carlos Lopez, Carlos Lopez, Carlos Lopez
- Fall 2010
  - PantherCare. Marcial Donet, Fernando Escobar, Juan Obregon, Michael Tracy.
  - Math Instant Messenger for Visually Impaired People (MiM/VIP). Arian Acosta, Carlos Bustamante, Christopher Casanova, Raul Fuentes, Barbara Gonzalez.
  - CVM Mediator. Luis Bautista, Eduardo Flores, Jandry Guerra, Ivan Olmos.
• Spring 2011
  – Web-Based Repository of Software Testing Tools (WReSTT). Jairo Pava, Dionny Santiago, Yesenia Sosa
• Summer 2011
  – Panther Commencement System. Walter Caceres, Paul Iaszfalvi, Jaime Martinez, Mario Saavedra, Pedro Torres.
• Summer 2012
  – Cloud Control. Eugene Acle, Samuel Barrios, Carlos Rodriguez
• Fall 2015
  – WReSTT-CyLE Enhancements 1.0. Antonio Arrieta, Steve Foo, Michael Fuentes, Anais Hernandez, Aqib Shah

University Service:
• Faculty Senate On-Line Review Committee, 2016-2017
• FIU Faculty Senator, 2016-2017.
• College of Engineering and Computing Dean Search Committee 2015-2017.
• Advancing Student Success and Career Integration Committee 2015-2016
• Association of College and University Educators (ACUE) Spring Professional Development Pilot Program, Spring 2016.
• Faculty Senate On-Line Review Committee, 2015-2016
• FIU Faculty Senator, 2015-2016.
• Graduate Student Academic Grievance and Misconduct Committee, 2015-2016
• Session Chair McNair Scholars Research Conference 2015.
• Served as a reviewer for the STEM-RC FIU competition, 2014-2015.
• Graduate Student Academic Grievance and Misconduct Committee, 2014-2015
• Graduate Student Academic Grievance and Misconduct Committee, 2013-2014
• Faculty Senate On-Line Review Committee, 2013-2014
• Graduate Student Academic Grievance and Misconduct Committee, 2012-2013
• Faculty Senate On-Line Review Committee, 2012-2013
• FIU Faculty Senator, 2012-2013.
• Member Ad-Hoc committee on Oral Communication, 2012-2013.
• FIU Faculty Senator, 2011-2012.
• University Library Committee Liaison for College of Engineering and Computing 2010-2011.
• University Library Committee Liaison for College of Engineering and Computing 2009-2010.
• University Library Committee Liaison for College of Engineering and Computing 2007-2008.
• SRAI Research Affiliate for the Honors College 2005 – present.
College Service:

- College of Engineering and Computing Faculty Council – SCIS Representative and Chair, 2015-2016.
- College of Engineering and Computing Awards committee - Chair and Representative for SCIS, 2012-2013.
- College of Engineering and Computing Awards committee - Chair and Representative for SCIS, 2011-2012.
- College of Engineering and Computing Awards committee - Chair and Representative for SCIS, 2010-2011.
- College of Engineering and Computing Library Committee – Chair and Representative for SCIS, 2010-2011.
- College of Engineering and Computing Library Committee – Chair and Representative for SCIS, 2009-2010.

SCIS Service:

- UPE Honors Society Faculty Advisor 2016 - 2017
- SCIS Ad-hoc Committee Faculty Merit Raises 2016-2017
- Peer Teaching Evaluator 2016 - 2017
- Infrastructure Committee, Chair, 2016 - 2017
- Software Engineering Course Subcommittee, 2016 - 2017
- SCIS Graduate Committee, 2016-2017
- SCIS Ad-hoc Committee Faculty Merit Raises 2015-2016
- Peer Teaching Evaluator (2 peers) 2015 - 2016
- UPE Honors Society Faculty Advisor 2015 - 2016
- SCIS Human Resource Committee - Chair 2014 - 2015
- UPE Honors Society Faculty Advisor 2014 - 2015.
- SCIS Faculty Search Committee – Member 2013 - 2014
- SCIS Human Resource Committee 2013 - 2014
- UPE Honors Society Faculty Advisor 2013 - 2014.
- Software engineering course coordinator, SCIS, FIU 2012 - 2013
- SCIS Human Resource Committee 2012 - 2013
- UPE Honors Society Faculty Advisor 2012 - 2013.
- SCIS Annual Awards Committee 2012 – 2013
- SCIS Faculty Search Committee – Member 2012 - 2013
- Software engineering course coordinator, SCIS, FIU 2011 - 2012.
• UPE Honors Society Faculty Advisor 2011 - 2012.
• SCIS Faculty Search Committee – Member 2011 - 2012
• SCIS Director Search Committee – Member, 2010 - 2011.
• UPE Honors Society Faculty Advisor 2010 - 2011.
• Software engineering course coordinator, SCIS, FIU 2010 - 2011.
• SCIS Annual Awards Committee 2009 – 2010.
• SCIS Peer Teaching Evaluation Committee 2009 – 20010.
• Undergraduate committee 2009 – 2010.
• Software engineering course coordinator, SCIS, FIU 2009 - 2010.
• UPE Honors Society Faculty Advisor 2009 - 2010.
• Undergraduate committee 2008 - 2009
• Software engineering course coordinator, SCIS, FIU 2008 - 2009.
• UPE Honors Society Faculty Advisor 2008 - 2009.
• Undergraduate committee 2007 - 2008
• Software engineering course coordinator, SCIS, FIU 2007 - 2008.
• UPE Honors Society Faculty Advisor 2007 - 2008.
• Undergraduate curriculum committee, SCS, FIU 2006 -2007.
• Infrastructure Committee, SCIS, FIU 2006-2007
• Software engineering course coordinator, SCIS, FIU 2006 - 2007.
• Equipment committee 2005 - 2006.
• Software engineering course coordinator, SCIS, FIU 2005 - 2006.
• Software engineering course coordinator, SCIS, FIU 2004 - 2005.
• Undergraduate curriculum committee, SCS, FIU 2004 -2005.

Professional Service:

Grant Reviews:
• Two (2) NSF Review Panel 2017
• Two (2) NSF Review Panel 2016
• Natural Sciences and Engineering Research Council (NSERC) of Canada 2015
• Two (2) NSF Review Panels 2015
• Natural Sciences and Engineering Research Council (NSERC) of Canada 2014
• Reviewer for Maryland Industrial Partnerships Program (a program at University of Maryland, College Park) 2014
• NSF Review Panel 2012.
• NSF Review Panel 2011.
• Two (2) NSF Review Panels 2010.
• Two (2) NSF Review Panels 2009.
• Two (2) NSF Review Panels 2006.
• NSF Review panel 2005

Associate Editor / Editorial Board Member

Guest editor for the Special Issue of the Journal of Computer Science Education: Software Modeling in Education. 2011.


Program Co-Chair


Workshop Co-Chair


Coordinated mini-workshop on Learning Objects for PIs on the NSF grant DUE-1525112. FIU October 14th and 15th, 2016.


Coordinated PI mini-workshop on Learning and Engagement Strategies for PIs on the NSF grant DUE-1525112. FIU October 23rd and 24th, 2015.


Coordinated a mini-workshop on WReSTT (Web-Based Repository of Software Testing Tutorials) for collaborators on the NSF grant DUE-1225742. FIU March 11th, 2013.


Conference Track Co-organizer:
• The Twentieth International Conference on Software Engineering and Knowledge Engineering (SEKE’08) – Track on Software Engineering of Autonomic Grid Computing Systems and Applications (AGC’08)

Conference Organizing Committee:

• Educators Symposium Co-Chair for the ACM/IEEE 19th International Conference on Model Driven Engineering Languages & Systems MODELS 2017, Austin Texas.
• Tool/Demonstrations Co-Chair for the ACM/IEEE 19th International Conference on Model Driven Engineering Languages & Systems MODELS 2016, Saint Malo France.
• Student Doctoral Program Chair, The 2015 IEEE International Conference on Software Quality, Reliability and Security, Vancouver, Canada, August 3-5, 2015.
• Local Organizing and Finance Chair for the ACM/IEEE 16th International Conference on Model Driven Engineering Languages & Systems MODELS 2013.
• Educators Symposium Co-Chair for the ACM/IEEE 19th International Conference on Model Driven Engineering Languages & Systems MODELS 2012.
• Publicity Co-Chair for the ACM/IEEE 15th International Conference on Model Driven Engineering Languages & Systems MODELS 2012.
• Student Papers Co-Chair the 22st IEEE International Symposium on Software Reliability Engineering (ISSRE 2011).
• Publications Chair – The 14th IASTED International Conference on Software Engineering and Applications (SEA2010).
• Committee member - International Conference on Application and Theory of Petri Nets and Other Models of Concurrency 2005 (ATPN 2005).

Advisory Board Member:


Panelist:

• Doctoral symposium panelist for the ACM/IEEE 15th International Conference on Model Driven Engineering Languages & Systems MODELS 2012
• Invited panelist for ACM SIGSOFT Inspirations Workshop co-located with FSE 14 2006

Program Committees:

• Models@Runtime Workshop co-located at MODELS 2017 in Austin, Texas.
• Doctoral Symposium at MODELS 2017 in in Austin Texas. September, 2017
• The 3rd International Workshop on Executable Modeling, at MODELS 2017 in Austin Texas. September, 2017
• The 4th International Workshop on Interplay of Model-Driven and Component-Based Software Engineering, at MODELS 2017 in in Austin Texas. September, 2017
• The ACM/IEEE 20th International Conference on Model Driven Engineering Languages and Systems, 2017, Austin Texas, USA. September, 2017
• The 17th IEEE International Conference on Information Reuse and Integration (IRI) 2016. October, 2016
• The Educator’s Symposium co-located at MODELS 2016 in Saint-Malo, France. October, 2016
• The ACM/IEEE 19th International Conference on Model Driven Engineering Languages and Systems, 2016, Saint-Malo, France. October, 2016
• The 7th International Workshop on Emerging Trends in Software Metrics.
• The 17th IEEE International Symposium on High Assurance Systems Engineering (HASE 2016). Orlando, Florida, USA.
• The Educator’s Symposium co-located at MODELS 2015 in Ottawa, Canada.
• Models@Runtime Workshop co-located at MODELS 2015 in Ottawa, Canada.
• The ACM/IEEE 18th International Conference on Model Driven Engineering Languages and Systems, 2015, Ottawa, Canada.
• The 16th IEEE International Conference on Information Reuse and Integration (IRI) 2015.
• The 6th International Workshop on Emerging Trends in Software Metrics, co-located with ICSE 2015.
• The 15th IEEE International Conference on Information Reuse and Integration (IRI) 2014.
• The Seventh International Conference on Dependability, DEPEND 2014, an INRIA sponsored conference.
• The Educator’s Symposium co-located at MODELS 2014 in Valencia, Spain.
• Models@Runtime Workshop co-located at MODELS 2014 in Valencia, Spain.
• The IEEE International Conference on Cloud and Autonomic Computing (CAC 2014).
• The 26th International Conference on Software Engineering and Knowledge Engineering (SEKE’14).
• Models@Runtime Workshop co-located at MODELS 2013 in Miami, FL, USA.
• The 14th IEEE International Conference on Information Reuse and Integration (IRI) 2013.
• The 22nd International conference on Software Engineering and Data Engineering (SEDE 2013)
• The Educator’s Symposium co-located at MODELS 2013 in Miami Florida, USA.
• International Workshop on The Globalization of Domain Specific Languages 2013, Montpellier, France co-located with ECMFA, ECOOP and ECSA 2013
• The Sixth International Conference on Dependability, DEPEND 2013, an INRIA sponsored conference.
- The 4th International Workshop on Emerging Trends in Software Metrics (WETSoM) 2013, an ICSE 2013 Workshop
- The 25th International Conference on Software Engineering and Knowledge Engineering (SEKE’13).
- The 8th International Conference on Software and Data Technologies (ICSOFT), 2013.
- The 4th International Workshop on Emerging Trends in Software Metrics (WETSoM) 2013, an ICSE 2013 Workshop
- The 12th Workshop on Domain-Specific Modeling co-located at SPLASH 2012.
- Models@Runtime Workshop co-located at MODELS 2012 in Innsbruck, Austria.
- The IEEE International Conference on Information Reuse and Integration (IRI) 2012.
- The 24th International Conference on Software Engineering and Knowledge Engineering (SEKE’12).
- The 3rd International Workshop on Emerging Trends in Software Metrics (WETSoM) 2012, an ICSE 2012 Workshop
- The 8th Educators’ Symposium co-located at MODELS 2012 in Innsbruck, Austria.
- The 7th International Conference on Software and Data Technologies (ICSOFT), 2012.
- The 21th International conference on Software Engineering and Data Engineering (SEDE 2012).
- Models@Runtime Workshop co-located at MODELS 2011 in Wellington New Zealand.
- The 7th Educator’s Symposium co-located at MODELS 2011 in Wellington New Zealand.
- The 22nd IEEE International Symposium on Software Reliability Engineering (ISSRE 2011).
- The IEEE International Conference on Information Reuse and Integration (IRI) 2011.
- The 23rd International Conference on Software Engineering and Knowledge Engineering (SEKE’11).
- The 6th International Conference on Software and Data Technologies (ICSOFT), 2011.
- The 20th International conference on Software Engineering and Data Engineering (SEDE 2011).
- The 14th IASTED International Conference on Software Engineering and Applications, SEA 2010.
- Models@Runtime Workshop co-located at MODELS 2010 in Oslo Norway.
- The IEEE International Conference on Information Reuse and Integration (IRI) 2010.
- The 22th International Conference on Software Engineering and Knowledge Engineering (SEKE’10).
- The 21st IEEE International Symposium on Software Reliability Engineering (ISSRE 2010).
- The 5th International Conference on Software and Data Technologies (ICSOFT), 2010.
- The 5th Educator’s Symposium MODELS 2009 in Denver.
- Models@Runtime Workshop co-located at MODELS 2009 in Denver.
- Workshops committee for MODELS 2009 in Denver USA.
• The 5th ACIS International Conference on Software Engineering Research, Management & Applications (SERA) 2009.
• The 21th International Conference on Software Engineering and Knowledge Engineering (SEKE’09).
• The 4th International Conference on Software and Data Technologies (ICSOFT), 2009.
• The IEEE International Conference on Information Reuse and Integration (IRI) 2009.
• The 12th IASTED International Conference on Software Engineering and Applications, SEA 2008.
• The 10th International Conference on Formal Engineering Methods (ICFEM), 2008.
• The IEEE International Conference on Information Reuse and Integration (IRI) 2008.
• The 20th International Conference on Software Engineering and Knowledge Engineering (SEKE’08).
• The 9th International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing in 2008 (SNPD2008).
• The 3rd International Conference on Software and Data Technologies (ICSOFT), 2008.
• The 2007 International Conference on Software Engineering Theory and Practice (SETP-07).
• The IEEE International Conference on Information Reuse and Integration (IRI) 2007.
• The 5th ACIS International Conference on Software Engineering Research, Management & Applications (SERA) 2007.
• The 11th IASTED International Conference on Software Engineering and Applications, SEA 2007.
• The 2nd International Conference on Software and Data Technologies (ICSOFT), 2007.
• The 1st International Conference on Software and Data Technologies, 2006.
• The 4th ACIS International Conference on Software Engineering Research, Management & Applications (SERA) 2006.
• IEEE International Conference on Information Reuse and Integration (IRI) 2006.
• The 44th ACM Southeast Conference (ACMSE 2006).
• The 3rd ACIS International Conference on Software Engineering Research, Management & Applications (SERA) 2005.
• IEEE International Conference on Information Reuse and Integration (IRI) 2005.

Reviewer:
Book Chapter
• LNCS State-of-the-Art Survey Volume on Models@run.time, 2012.
• Formal and Practical Aspects of Domain-Specific Languages: Recent Developments, 2012.
• Recent Trends in Information Reuse and Integration., 2010

Journals
• IEEE Transaction on Big Data, 2016, 2017
• Advances in Software Engineering, 2015
• Journal of Computer Languages, Systems and Structures, 2014, 2017
• Journal of Software Engineering Applications (JSEA), 2014
• IEEE Computer, 2013
• ACM Transactions on Computing Education, 2013
• Journal Technology for Education and Learning, ACTA Press. 2012.
• Transactions on Aspect Oriented Software Development (TAOSD) Special Issue on Aspects and MDE.  2008
• International Journal of Software Engineering and Knowledge Engineering.  2007, 2010

Conferences/Workshops
• The 123rd American Society for Engineering Education (ASEE) Annual Conference (2017)
• The 48th ACM Technical Symposium on Computer Science Education (SIGCSE 2017)
• 2016 American Society for Engineering Education (ASEE) Annual Conference
• The 47th ACM Technical Symposium on Computer Science Education (SIGCSE 2016)
• 2015 American Society for Engineering Education (ASEE) Annual Conference
• The 29th IEEE/ACM International Conference on Automated Software Engineering.
• 2014 American Society for Engineering Education (ASEE) Annual Conference
• The 45th ACM Technical Symposium on Computer Science Education (SIGCSE 2014)
• The 19th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE 2014)
• The 44th ACM Technical Symposium on Computer Science Education (SIGCSE 2013)
• The 18th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE 2013)
• The 43rd ACM Technical Symposium on Computer Science Education (SIGCSE 2012)
• The 16th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE 2011)
• The 42st ACM Technical Symposium on Computer Science Education (SIGCSE 2011)
• The 15th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE 2010)
- The 48th ACM Southeast Conference (ACMSE 2010).
- Third International Conference of Software Testing, Verification and Validation, (ICST 2010)
- The 41st ACM Technical Symposium on Computer Science Education (SIGCSE 2010)
- The 14th Annual Conference on Innovation and Technology in Computer Science Education (2009)
- The 39th ACM Technical Symposium on Computer Science Education conference.
- The 45th ACM Southeast Conference (ACMSE 2007).

Other:
- External evaluator for Tenure and Promotion – Department of Computer and Information Science, Indiana University Purdue University Indianapolis, August, 2014
- Session Chair 2014 American Society for Engineering Education (ASEE) Annual Conference
- Reviewer for Florida Undergraduate Research Conference (FURC) 2014
- Session Chair for the Technical Symposium on Computer Science Education, ACM SIGCSE 2006.
- Session co-chair for the IASTED International Conference on Software Engineering Applications 2004.

Community-Based Activities:
- Judge South Florida Science and Engineering Fair, 2017.
- Judge Broward County Science Fair 2004.
- Judge for the Information and Technology awards 2003.