1 Publications

Research Publications Summary:

21 refereed journal papers
35 refereed conference papers
6 book chapters
1 books edited

Several journal and conference papers currently under review

1.0.1 Journal Papers (published or accepted)


1.0.2 Refereed Conference Papers (published or accepted)


1.0.3 Books

1.0.4 Book Chapters


2 Professional Meetings Participated


IEEE International Symposium on Software Reliability Engineering, San Jose, CA, November 2010.


3 Research

3.1 Sponsored Research

Center of Ocean Energy and Technology grant
Title: “Machine Condition Monitoring”
Principal Investigator (10-11) $155,000

4 Professional Activities


Best Paper Award Committee Chair of the 2011 IEEE International Conference on Information Reuse and Integration – IRI 2011 (Las Vegas, Nevada)

Special Track Co-Chairman of the 2011 Software Engineering with Computational Intelligence and Machine Learning (SECIML’11) (Miami Beach, FL).

Area Chair of the 20th ACM International Conference on Information and Knowledge Management (CIKM 2011), Glasgow, Scotland, UK, 24th-28th October 2011


Area Chair of the 19th ACM International Conference on Information and Knowledge Management (CIKM 2010), Toronto, Canada, 26th-30th October 2010

Member of Conference Committee of the IEEE International Conference on Data Mining (ICDM’10) (Sydney, Australia).

Special Track Co-Chairman of the 2010 Software Engineering with Computational Intelligence and Machine Learning (SECIML’10) (San Francisco, CA).

Special Track Co-Chairman of Bioinformatics and Computational Biology at the 23rd International FLAIRS (Florida Artificial Intelligence Research Society) Conference Daytona Beach, Florida, May 2010.

Area Chair of the 22nd IEEE International Conference on Tools with Artificial Intelligence (ICTAI’10), (Paris, France).
Workshop Co-Chairman of the 2010 IEEE International Conference on Information Reuse and Integration – IRI 2010 (Las Vegas, Nevada)

Member of Advisory Committee of the International Conference on Software Engineering and Knowledge Engineering – SEKE (July 2009–present).

Member of Steering Committee of the IEEE International Symposium on High Assurance Systems Engineering (2001–present).

Chairman of Steering Committee of the International Workshop on Software Engineering with Computational Intelligence (2002–present)

Member of Steering Committee of the International Conference on Rough Sets and Knowledge Technology (2005–present)

Member of:

Program Committee for the International Conference on Software Engineering and Knowledge Engineering (2004–present)

Program Committee for the IEEE International Conference on Machine Learning and Applications (2005–present)

Program Committee for the International Conference on Rough Sets and Knowledge Technology (RSKT 2006 – present)

Program Committee for the 13th International Conference on Data Warehousing and Knowledge Discovery - DaWaK 2011

Program Committee for the Database Application and Date Mining track of HPCC 2011 conference

Program Committee for the ISSAT International Conference on Reliability and Quality in Design (2000–present)

Program Committee for the IEEE International Conference on Tools with Artificial Intelligence (2001–present)

Program Committee for the IEEE High-Assurance Systems Engineering Symposium (1997–present)

Program Committee for ICDM Workshop on Reliability Issues in Knowledge Discovery (2008–present).

Program Committee for the IEEE International Conference on Information Reuse and Integration – IRI (2005–present)

Program Committee for IEEE Symposium on Software Reliability Engineering (2011)

Program Committee for ICDM 2010 Workshop on Reliability Issues in Knowledge Discovery.

Program Committee for the International Conference on Advances in Social Networks Analysis and Mining (2009–present).

5 Professional Service

5.1 University Service

I. COMMITTEES

   A. Member of the following Departmental Committees
      Graduate Programs and Research Committee (25 hours per year)
      Bioengineering Committee (2 hours per year)

II. ADVISING

   (a) An Academic Advisor to several Computer Science Graduate Students—Advised
       at least forty graduate students each term (summer, fall, and spring).

6 Theses and Dissertations

6.1 Ph.D. Dissertations Supervised and Completed

      (Chair).

6.2 Theses and Dissertations Supervision

   Ph.D. Dissertations:
      Supervised one dissertation to completion.
      Currently supervising six dissertations.

   M.S. Theses:
      Currently supervising one thesis.

6.3 Editorial Activities

   • Member of the Editorial Board of the Software Quality Journal (1992–present).
   • Member of the Editorial Board of the Knowledge and Information Systems (2008–present).
• Member of the Editorial Board of the *Software Engineering and Knowledge Engineering* (2009–present).

• Member of the Editorial Board of the *Social Network Analysis and Mining* (2009–present).

• On reviewer list of the following journals (not a complete list) and funding agencies:

  National Science Foundation  
  *Journal of Systems and Software*  
  *IEEE Transactions on Systems, Man and Cybernetics*  
  *IEEE Transactions on Knowledge and Data Engineering*  
  *International Journal of Reliability, Quality and Safety Engineering*  
  *International Journal of Software Engineering and Knowledge Engineering*  
  *ACM Transactions on Software Engineering and Methodology*  
  *IEEE Transactions on Software Engineering*  
  *IEEE Software*  
  *IEEE Transactions on Reliability*  
  *Software Quality Journal*  
  *Data Mining and Knowledge Discovery Journal*  
  *Knowledge and Information Systems Journal*  
  *Empirical Software Engineering Journal*

• Chaired and organized technical sessions at several major conferences.