

Zornitza Genova Prodanoff

School of Computing
University of North Florida
1 UNF Drive, Building 15, Room 3225
Jacksonville, Florida 32224

Office: (904) 620-1312
Fax: (904) 620-2988
Email: zprodano@unf.edu
Web: <http://www.unf.edu/~zprodano>

CURRENT POSITION

Assistant Professor in the School of Computing at the University of North Florida

EDUCATION

- Aug. 2003 Ph.D., Computer Science and Engineering, University of South Florida,
Minors in Mathematics and Information Systems and Decision Sciences
Dissertation title: "URL Routing for Global Content Distribution"
Advisor: Kenneth J. Christensen, Ph.D, P.E.
- May 2001 M.S., Computer Science, University of South Florida
Advisor: Martha L. Escobar-Molano, Ph.D.
- Aug. 1998 B.A., Information Systems Management, University of South Florida

SCHOLARSHIP

Research Interests

Investigating new methods for improving efficiency of emerging computer network types, such as radio frequency identification and other wireless networks. This also includes the study of the performance of mobile computing devices and their connectivity to Web Services and the Internet.

Awards

Achievement Award, the 2007 World Congress in Computer Science, Computer Engineering and Applied Computing, Worldcomp'07, presented in recognition and appreciation of research contributions to the field and WORLDCOMP'07 (A distinction given to about dozen researchers, recognized among near 2000 total participants)

Book Chapters (Invited)

1. Zornitza Prodanoff, "Appendix: Sockets – A Programmer's Introduction" to the 8th edition of the "Data and Computer Communications" by William Stallings, Prentice Hall, Inc., 2007 This text is the winner of the Texty Award for the Best Computer Science and Engineering Textbook of the year for 2007 from the Textbook and Academic Authors Association. The Texty (Textbook Excellence) Award is given each year in one of seven disciplines to both elementary and high school level texts, as well as, college level work.
2. Appendix B: "Sockets Programming" to the 2nd edition of the "High-Speed Networks and Internets: Performance and Quality of Service" by William Stallings, Prentice Hall, Inc., 2002
3. Z. Genova and M. Prescott, Instructor's Manual to the 5th edition of "Modern Database Management", by McFadden, Hoffer, Prescott, Addison Wesley Longman, Inc. 1998. This text has been recognized by ORACLE Corporation (Oracle8i for Microsoft Windows NT and Windows 98 is available with purchase)

Journal Articles and Conference Papers (Refereed)

1. Zornitza Prodanoff, "Optimal Frame Size Analysis for Framed Slotted ALOHA Based RFID Networks", in preparation

2. Pedro Lopez-Fernandez, Zornitza Prodanoff, and Sanjay Ahuja, "Performance Evaluation of Routing Protocols for Mobile Ad-Hoc Networks (MANETs)" *IEC "Annual Review of Communications"*, Vol. 61, 2008
3. Andrew Dutt, Sarah White, and Zornitza Prodanoff, "Utilizing RSS Feeds by Web Request and Web Service Models in the .NET Compact Framework", *Proceedings of the International Conference on Parallel and Distributed Processes, Techniques, and Applications (PDPTA'08)*, 2008
4. Zornitza Prodanoff, "Cellular Automata Used for Congestion Control in Wireless LANs", *Proceedings of the IEEE International Conference on Telecommunications and Networking (TeNe'07)* December 2007. Published in Sobh, T.; Elleithy, K.; Mahmood, A.; Karim, M.A. (Eds.), "Novel Algorithms and Techniques in Telecommunications, Automation and Industrial Electronics" 2008, XVI, 588 p., ISBN: 978-1-4020-8736-3. Publisher: Springer.
5. Seungnam Kang, Zornitza Prodanoff, and Pavan Potti, "Performance Model of a Campus Wireless LAN", *Proceedings of the IEEE International Conference on Telecommunications and Networking (TeNe'07)*, December 2007. Published in Sobh, T.; Elleithy, K.; Mahmood, A.; Karim, M.A. (Eds.), "Novel Algorithms and Techniques in Telecommunications, Automation and Industrial Electronics" 2008, XVI, 588 p., ISBN: 978-1-4020-8736-3. Publisher: Springer.
6. Gregory J. Blajian and Zornitza Prodanoff, "Atmospheric Effects of IEEE 802.11g over HTTP", *Proceedings of the International Conference on Parallel and Distributed Processes, Techniques, and Applications (PDPTA'07)*, June 2007, pp. 898-904
7. Karen Cano and Zornitza Prodanoff, "Web Server Traffic Characterization at the UFL College of Design, Construction, and Planning", *Proceedings of the International Conference on Parallel and Distributed Processes, Techniques, and Applications (PDPTA'07)*, June 2007, pp. 887-891
8. Z. Genova Prodanoff, "Queueing Behavior of Hashing Methods Used to Build URL Routing Tables," *Proceedings of the IEEE International Conference on Telecommunications and Networking 2005 (TeNe 2005)*, December 2005. Note: this paper was published in Elleithy, K.; Sobh, T.; Mahmood, A.; Iskander, M.; Karim, M., "Advances in Computer, Information, and Systems Sciences, and Engineering", 2006, XV, 489 p., ISBN: 978-1-4020-5260-6. Publisher: Springer.
9. Tatiana Melnik and Zornitza Prodanoff, "Microsoft .NET and Security Provided by High-Level Internet Protocols", *Proceedings of the International Conference on Parallel and Distributed Processes, Techniques, and Applications (PDPTA'05)*, pp.75-81 (This project was funded by the UNF Office of Undergraduate Research (Under the Auspices of the UNF Undergraduate Academic Enrichment Program)
10. Z. Genova and K.J. Christensen, "Managing Routing Tables for URL Routers in Content Distribution Networks", *International Journal of Network Management*, vol. 14, iss. 3, pp. 177-192, May/June 2004.
11. Z. Genova Prodanoff and R. King, "CRC32 Based Signature Generation Methods for URL Routing," *Proceedings of to the IEEE SoutheastCon 2004*, pp. 153-158, March 2004
12. K. Cano and Z. Genova Prodanoff, "Web Server Traffic Characterization at the College of Design, Construction, and Planning, University of Florida," *Proceedings of the Second Annual UNF CCEC Symposium*, April 2004.
13. K.J. Christensen , D. Rundus, and Z. Genova Prodanoff, "Partnering with Industry for a Computer Science and Engineering Capstone Senior Design Course", *Proceedings of the ASEE Southeast Section Conference*, pp. 45-52, 2003
14. Z. Genova and K.J. Christensen, "Efficient Summarization of URLs using CRC32 for Implementing URL Switching", *Proceedings of IEEE Conference on Local Computer Networks (LCN) 2002*, pp. 343-344, April 2002
15. Z. Genova and K.J. Christensen, "Using Signatures to Improve URL Routing", *Proceedings of the IEEE International Performance, Computing, and Communications Conference 2002*, pp. 45-52, April 2002

16. Z. Genova and K.J. Christensen, "Challenges in URL Switching for Implementing Globally Distributed Web Sites", *Proceedings of the Workshop on Scalable Web Services*, pp. 89 - 94, August 2000
17. M.L. Escobar-Molano, D.A. Barrett, Z. Genova, and L. Zhang "Retrieval Scheduling for Multimedia Presentations", *Proceedings of the Workshop on Multimedia Information Systems*, pp. 143-152, November 2001

Other Scholarly Papers (Non-Refereed)

1. Patrick Crews and Zornitza Prodanoff, "Sensor Network Simulation For ITS Development", *Transpo 2004*, December 2004
2. Tatiana Melnik and Zornitza Prodanoff, "Microsoft .NET and Security Provided by High-Level Internet Protocols", *UNF Osprey Journal*, Vol. V, 2006. Note: The results from this study were previously published in the 2005 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'05)

Conference Presentations

1. Zornitza Prodanoff, "Cellular Automata Used for Congestion Control in Wireless LANs", *IEEE International Conference on Telecommunications and Networking (TeNe'07)* December 2007. Publisher: Springer, 2007. ISBN: TBD
2. Seungnam Kang, Zornitza Prodanoff, and Pavan Potti, "Performance Model of a Campus Wireless LAN", *IEEE International Conference on Telecommunications and Networking (TeNe'07)*, December 2007. Publisher: Springer, 2007
3. Gregory J. Blajian and Zornitza Prodanoff, "Atmospheric Effects of IEEE 802.11g over HTTP", *International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'07)*, June 2007
4. Karen Cano and Zornitza Prodanoff, "Web Server Traffic Characterization at the UFL College of Design, Construction, and Planning", *International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'07)*, June 2007
5. Z. Genova Prodanoff, "Queueing Evaluation of Hashing Methods for URL Routing," *IEEE International Conference on Telecommunications and Networking 2005 (TeNe 2005)*, December 2005. Note: this paper was published in Elleithy, K.; Sobh, T.; Mahmood, A.; Iskander, M.; Karim, M., "Advances in Computer, Information, and Systems Sciences, and Engineering", Publisher: Springer, 2006. ISBN 13: 978-1-4020-5260-6.
6. Z. Genova Prodanoff and R. King, "CRC32 Based Signature Generation Methods for URL Routing," *IEEE SoutheastCon 2004*, pp. 153-158, March 2004
7. Z. Genova and K.J. Christensen, "Efficient Summarization of URLs using CRC32 for Implementing URL Switching", *IEEE Conference on Local Computer Networks (LCN) 2002*
8. Z. Genova and K.J. Christensen, "Using Signatures to Improve URL Routing", *IEEE International Performance, Computing, and Communications Conference 2002*, pp. 45-52, April 2002
9. Z. Genova and K.J. Christensen, "Challenges in URL Switching for Implementing Globally Distributed Web Sites", *Workshop on Scalable Web Services*, pp. 89 - 94, August 2000

Posters

1. Z. Genova Prodanoff, "Queueing Evaluation of Hashing Methods Used for URL Routing," a poster presented at the UNF Research Day Poster Competition. (January 2004)
2. Z. Genova Prodanoff, "Hashing Methods Used for URL Routing," a poster presented at the Second UNF CCEC Symposium. (April 2004)

GRANTS AND OTHER SUPPORT

Successful Proposals to Support Research and Teaching

1. Z. Prodanoff, UNF Travel Grant (Office of Gender Research). Award amount: \$500. (2008).
2. A. Sanchez, Z. Prodanoff, and L. Jamba, UNF Transformational Learning Opportunity grant; funds are used to acquire equipment for a newly established Mobile Computing laboratory. Award amount: \$28,000 (2007).
3. Awarded an annually renewable license for multi-user classroom and laboratory use of the commercial versions of a comprehensive simulation platform and tool, developed by OPNET, Inc. Estimated value is above \$80,000 per user, annually (source: networkworld.com). Holds license since 2006.
4. Z. Prodanoff, UNF Undergraduate Research Grant. Award amount: \$1,000. (2004)
5. Z. Prodanoff, UNF Summer Scholarship Grant. Award amount: \$5,000. (2003).
6. Z. Prodanoff, UNF Summer Proposal Development Grant. Award amount: \$5,000. (Selected as recipient, but not allowed to use funds due to concurrent scholarship grant award) (2003)

Unsuccessful Grant Proposals

1. Sanchez and Z. Prodanoff: Hewlett Packard Higher Education Grant (about \$70,500 in laboratory equipment) (2006)
2. Sanchez and Z. Prodanoff: National Science Foundation CCLI Phase I proposal (about \$ 180,000 over a period of 1 years). (2005)
3. Sanchez and Z. Prodanoff: National Science Foundation CCLI A&I proposal (about \$ 200,000 over a period of 3 years). (2004)
4. Z. Prodanoff , UNF Summer Proposal Development Grant (\$5,000). (2004) Selected as recipient, but not awarded due to receiving an UNF Summer Scholarship Grant.
5. Z. Prodanoff , UNF Summer Scholarship Grant (\$5,000). (2004)
6. Z. Prodanoff, National Science Foundation CAREER proposal (about \$ 400,000 over a period of 5 years). (2004)
7. Sanchez and Z. Prodanoff: Hewlett Packard Higher Education Grant (about \$70,500 in laboratory equipment) (2004)

TEACHING

Courses Taught

Term	Course #	Title	Level
Fall 2003	CDA 3100	<i>Architecture of Computer Organization</i>	<i>undergraduate</i>
	COP 4610	<i>Operating Systems</i>	<i>undergraduate</i>
	COP 5615	<i>Operating Systems</i>	<i>graduate</i>
Spring 2004	CDA 3100	<i>Architecture of Computer Organization</i>	<i>undergraduate</i>
	COP 4610	<i>Operating Systems</i>	<i>undergraduate</i>
	COP 5615	<i>Operating Systems</i>	<i>graduate</i>
Fall 2004	CIS 4100	<i>Systems Performance and Evaluation</i>	<i>undergraduate</i>
	COP 4610	<i>Operating Systems</i>	<i>undergraduate</i>
Spring 2005	CDA 3100	<i>Architecture of Computer Organization</i>	<i>undergraduate</i>
	CDA 6506	<i>Net. Arch. & Client/Serv. Comp.</i>	<i>graduate</i>
Fall 2005	CDA 4102	<i>Intro. to Computer Architecture</i>	<i>undergraduate</i>
	CDA 5106	<i>Intro. to Computer Architecture</i>	<i>graduate</i>
	COP 4990	<i>Internet Programming</i>	<i>undergraduate</i>

Spring 2006	CDA 3100	<i>Architecture of Computer Organization</i>	<i>undergraduate</i>
	CIS 4100	<i>Systems Performance and Evaluation</i>	<i>undergraduate</i>
	CIS 5105	<i>Systems Performance and Evaluation</i>	<i>graduate</i>
Fall 2006	CDA 3100	<i>Arch. of Computer Organization</i>	<i>undergraduate</i>
	CDA 4527	<i>Networks Design and Planning</i>	<i>undergraduate</i>
Spring 2007	CDA 6506	<i>Network Architecture & Client/Serv. Comp.</i>	<i>graduate</i>
	CDA 4103	<i>Web Performance</i>	<i>undergraduate</i>
Fall 2007	CDA 4527	<i>Networks Design and Planning</i>	<i>undergraduate</i>
	CEN 4533C	<i>Wireless Networks & Mobile Computing</i>	<i>undergraduate</i>
	CIS 4100	<i>Systems Performance and Evaluation</i>	<i>undergraduate</i>
	CIS 5105	<i>Systems Performance and Evaluation</i>	<i>graduate</i>
Spring 2008	CDA 4103	<i>Web Performance</i>	<i>undergraduate</i>
	CIS 4593	<i>Mobile Comp.: Capstone Design I</i>	<i>undergraduate</i>

New Course Sequence Developed and Taught

Introduced (together with Dr. A. Sanchez) a new four course concentration sequence in Mobile Computing for the Information Technology program track of the School of CIS major; responsible for the development of the following courses:

1. Wireless Networks and Mobile Computing (CEN 4533C)
2. Mobile Computing: Capstone Project I (CIS 4593) — this course is a joint work with A. Sanchez and L. Jamba

New Courses Developed and Taught

1. Web Performance (CIS 4103)
2. Networks Design and Planning (CDA 4527)

Courses Redesigned and Taught

1. Network Architecture and Client/Server Comp. (CDA 6506)
2. Systems Performance and Evaluation (CIS 5105)
3. Systems Performance and Evaluation (CIS 4100)

M.S. Thesis Director

1. Student name: Pedro Lopez-Fernandez; Thesis title: "Performance Evaluation of Routing Protocols for Mobile Ad-Hoc Networks (MANETs). Defended in July of 2008. Pedro Lopez-Fernandez is currently employed as an Aerospace Engineer by the United States Air Force.
2. Student name: Radha Gade; Thesis title: "Remote Data Collection for Surface Water Quality Monitoring". Prospective graduation date: December 2008.

M.S. Project Director

Student name: Seungnam Kang; Project title: "Student name: Seungnam Kang; Project title: "Framed_Slotted_ALOHA: Multi-Tag Identifying Anti-Collision RFID Protocol Simulation Using OPNET Modeler 14". Defended in April of 2008. Seungnam Kang is currently employed as an information and communications officer in the Navy of the Republic of Korea.

Independent Studies Supervised

1. Student name: Pavan Potti (Spring 2008)
2. Student name: Seungnam Kang (Summer 2007)
3. Student name: Tatiana Melnik (Summer 2004)
4. Student name: Patrick Crews (Fall 2004)

5. Student name: Robert Burris (Spring 2005)
6. Student name: Jason Johnson (Spring 2005)

Supervised Journal and Conference Papers Jointly Published with Students (Note: may also appear under the scholarship category)

1. Pedro Lopez-Fernandez, Zornitza Prodanoff, and Sanjay Ahuja, "Performance Evaluation of Routing Protocols for Mobile Ad-Hoc Networks (MANETs)" to appear in the *IEC "Annual Review of Communications"*, Vol. 61, 2008
2. Andrew Dutt, Sarah White, and Zornitza Prodanoff, "Utilizing RSS Feeds by Web Request and Web Service Models in the .NET Compact Framework", *Proceedings of the International Conference on Parallel and Distributed Techniques and Applications (PDPTA'08)*, 2008
3. Seungnam Kang, Zornitza Prodanoff, and Pavan Potti, "Performance Model of a Campus Wireless LAN", *Proceedings of the IEEE International Conference on Telecommunications and Networking (TeNe'07)*, December 2007. Published in Sobh, T.; Elleithy, K.; Mahmood, A.; Karim, M.A. (Eds.), "Novel Algorithms and Techniques in Telecommunications, Automation and Industrial Electronics" 2008, XVI, 588 p., ISBN: 978-1-4020-8736-3. Publisher: Springer.
4. Gregory J. Blajian and Zornitza Prodanoff, "Atmospheric Effects of IEEE 802.11g over HTTP", *Proceedings of the International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'07)*, June 2007, pp. 898-904
5. Karen Cano and Zornitza Prodanoff, "Web Server Traffic Characterization at the UFL College of Design, Construction, and Planning", *Proceedings of the International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'07)*, June 2007, pp. 887-891
6. Tatiana Melnik and Zornitza Prodanoff, "Microsoft .NET and Security Provided by High-Level Internet Protocols", *Proceedings of the International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'05)*, pp.75-81 (This project was funded by the UNF Office of Undergraduate Research (Under the Auspices of the UNF Undergraduate Academic Enrichment Program)

Supervised Conference Presentations (by Students) (Note: may also appear under the scholarship category)

1. Andrew Dutt, Sarah White, and Zornitza Prodanoff, "Utilizing RSS Feeds by Web Request and Web Service Models in the .NET Compact Framework", *International Conference on Parallel and Distributed Techniques and Applications (PDPTA)*, 2008
2. Seungnam Kang, Zornitza Prodanoff, and Pavan Potti, "Performance Model of a Campus Wireless LAN", *International Conference on Telecommunications and Networking (TeNe 07)*, December 2007.
3. Andrew Dutt, Sarah White, and Zornitza Prodanoff, "Utilizing RSS Feeds by Web Request and Web Service Models in the .NET Compact Framework" *International Conference on Parallel and Distributed Techniques and Applications (PDPTA)*, 2008
4. Gregory J. Blajian, "Weather Effects on HTTP Over 802.11g", *Forth Annual College of Computing, Engineering, and Construction Symposium (2006)*
5. Tatiana Melnik and Zornitza Prodanoff, "Microsoft .NET and Security Provided by High-Level Internet Protocols", *Proceedings of the International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'05)*
6. Jennifer Bolico, "Reliability in MultiCasting", *Forth Annual College of Computing, Engineering, and Construction Symposium (2006)*
7. Murtaza Choilawala, "Data Retrieval Performance Of Applications Distributed Over The Internet", *Forth Annual College of Computing, Engineering, and Construction Symposium (2006)*

Accreditation Involvement

1. Member of the UNF SACS Core Requirement 7.2 Committee (2007). Appointed to serve in the capacity of chair of the College of Computing, Engineering, and Construction Curriculum Committee.
2. Prepared ABET course display materials for several undergraduate courses (2007). This effort was part of the School of Computing accreditation review related activities for the undergraduate CIS program, information systems and computer science tracks.
3. Prepared ABET course display materials for several undergraduate courses (2008). This effort was part of the School of Computing accreditation review related activities for the undergraduate CIS program, information technology track.

RESEARCH AND TEACHING EXPERIENCE

- | | |
|-----------|--|
| 1999-2002 | Research Assistant, Department of Computer Science and Engineering, University of South Florida |
| 2003-2003 | Teaching Assistant, Department of Computer Science and Engineering, University of South Florida |
| 1998-2000 | Teaching Assistant, Department of Computer Science and Engineering, University of South Florida |
| 1998 | Undergraduate Teaching Assistant, Department of Information Systems and Decision Sciences, University of South Florida |

PROFESSIONAL SERVICE

Professional Affiliations

1. Senior member of IEEE (a distinction given to less than 8% of all IEEE members worldwide)
2. Member IEEE Women in Engineering and member AITP
3. Member AITP
4. Member of Upsilon Pi Epsilon Upsilon Pi Epsilon (computing and information disciplines honor society)

Editorial Work

1. Associate Editor of the Proceedings of the International PDPTA'08 conference, Las Vegas, Nevada, July 2008
2. Associate Editor of the Proceedings of the International PDPTA'07 conference, Las Vegas, Nevada, June 2007

Conference Chairing

1. Session Chair, at the International PDPTA'08 conference, Las Vegas, Nevada, June 2008
2. Session Chair, at the International PDPTA'07 conference, Las Vegas, Nevada, June 2007
5. Session Chair: "Capacity Planning and Performance Evaluation", Forth UNF College of Computing, Engineering, and Construction Symposium. (April 2006)
6. Chair of Booth Operations Committee, Second Annual UNF College of Computing, Engineering, and Construction Symposium. (April 2004)
7. Chair of Presentations Committee, Second Annual UNF College of Computing, Engineering, and Construction Symposium. (April 2004)

Peer Review Activities

1. Invited reviewer for the Journal of Supercomputing. (2005 and 2007)
2. Invited reviewer for the Journal of SIMULATION: Transactions of the Society for Modeling and Simulation International. (2004)
3. Reviewed papers for several conferences: PDPTA (2007 and 2008), the IEEE TeNe (2005 and 2007); Frontiers in Education (2004), Second Annual UNF College of Computing, Engineering, and Construction Symposium (2004); IEEE IPCCC (2002); IEEE LCN (2000 and 2003)

Workshop Organization

1. Invited workshop: “Wireless Classrooms: Are We There Yet?”, supported by the Office of Faculty Enhancement (2007)
2. Organizing committee chair and panel discussion member of the Women in Computing and Engineering Workshop, co-sponsored by the UNF Women’s Center (2005)

UNF Committees

1. Chair of the College of Computing, Engineering, and Construction (2006-2007); actively involved in the introduction of three new graduate programs in engineering, proposed and officially added to the college curriculum during my term.
2. Chair of the School of Computing Curriculum Committee (2006-2007); actively participated in the modification of the Information Systems track of the Computer and Information Sciences major; actively participated in the addition of several new graduate and undergraduate courses to the curriculum.
3. Chair of School of Computing Search Committee. (2003-2004)
4. College appointed member of the UNF General Education Council (Fall 2004 and Spring 2005), substituted for a colleague.
5. Member of the UNF Committee on SACS Requirement 7.2 Committee. (2007)
6. Member of the UNF Honor’s Council. (2007-2009)
7. Member of the UNF Search Committee for the Position of the Director of UNF Office of Faculty Enhancement. (2007-2008)
8. Member of the School of Computing Curriculum Committee. (2005-2006) Member of the IS Subcommittee of the Curriculum Committee.
9. Member of School of Computing Scholarship Selection committee. (2004-2006)
10. Member of School of Computing Suspension Review committee. (2004-2006)
11. Member of the UNF First Faculty and Advisor/enrollment Services focus groups - revised a draft of the UNF strategic plan, Research section guidelines. (2005)
12. Member of School of Computing Computing Resources committee. (2003-2004)
13. Member of a group discussing a joint program in Computer Networking with the Florida Community College of Jacksonville. Attended the joint meetings and developed a resolution draft for a lab equipment and lab space request to the UNF administration. (2003-2004)

Community Involvement

1. As part of my work, supported by a UNF Transformational Learning Opportunity grant together with A. Sanchez and L. Jamba, I have advised several students who developed a working prototype of an on-line system to support the Florida Sunshine Math program — the largest in terms of K-5 participation extracurricular math program for students in the public school system in the state of Florida. Current status: prototype completed successfully and demonstrated in front of the Chief Officer of Curriculum Services and her colleague, the District Elementary Mathematics Resource Teacher and Sunshine Math Coordinator for Duval County.

2. As the advisor of the UNF AITP Student Chapter actively participated in the organization of two High School Programming Contests, hosting 5 2-member teams from Duval county high schools. (2004 and 2006)
3. Judge (Senior Math) in Student Poster Competition, State Science and Engineering Fair (SSEF) of Florida. (2005)
4. Judge (Senior Math) in Student Poster Competition, State Science and Engineering Fair (SSEF) of Florida. (2004)

Other Professional Service Activities

1. Faculty advisor for the UNF chapter of the AITP since 2004. Among this group's accomplishments is a first place award in a national programming contest in COBOL programming language (2006). A total of 80 national universities were in attendance at this conference. This recognition was featured in the local press (The Florida Times-Union).
2. Interim faculty advisor for the ARCADE – a local UNF student gaming society (2004 - 2005)
3. Judge (Computer and Information Sciences) in Student Poster Competition, Second Annual UNF CCEC Symposium. (April 2004)
4. Member of M.S. Thesis committees; student names:
Pavan Potti (2007), Sirisha Tunuguntla (2007), Nathan Rowan (2006), Bridget Hiller (2006), Pamela Brauda (2005)