

CURRICULUM VITAE
OF
S. Masoud Sadjadi
School of Computing and Information Sciences
College of Engineering and Computing

EDUCATION

<u>Degree</u>	<u>Institution</u>	<u>Field</u>	<u>Dates</u>
Ph.D.	Michigan State University	Computer Science	01/00 – 08/04
M.S.	Azad University (Tehran)	Software Engineering	09/95 – 02/99
B.S.	University of Tehran	Hardware Engineering	09/90 – 08/95

FULL-TIME ACADEMIC EXPERIENCE

<u>Institution</u>	<u>Rank</u>	<u>Field</u>	<u>Dates</u>
Florida International University	Assistant Professor	Computer Science	08/04 – present (Month & Year)

PART-TIME ACADEMIC EXPERIENCE

<u>Institution</u>	<u>Rank</u>	<u>Field</u>	<u>Dates</u>
Michigan State University	Graduate Research Assistant	Computer Science	05/01 – 08/04
Michigan State University	Graduate System Administrator	Computer Science	05/00 – 05/01
Michigan State University	Graduate Teaching Assistant	Computer Science	01/00 – 05/00

NON-ACADEMIC EXPERIENCE

<u>Place of Employment</u>	<u>Title</u>	<u>Dates</u>
Iran University Press	Head of the Computer Department & Project Manager	01/96 – 12/99
Tebb Va Rayaneh Co.	Software Developer	02/92 – 12/95

EMPLOYMENT RECORD AT FIU

<u>Rank</u>	<u>Dates</u>
Assistant Professor	08/04 – present

PUBLICATIONS IN DISCIPLINE

Books

N/A

Articles

1. **S. Masoud Sadjadi** and Philip K. McKinley. Transparent autonomization in CORBA. *The Elsevier Computer Networks Journal, special issue on autonomic and self-organising systems*, 2008. (Accepted for publication.)
2. **S. Masoud Sadjadi** and Fernando Trigos. TRAP.NET: A realization of transparent shaping in .NET. *International Journal of Software Engineering and Knowledge Engineering*, 2008. (accepted for publication).
3. Onyeka Ezenwoye and **S. Masoud Sadjadi**. A proxy-based approach to enhancing the autonomic behavior in composite services. *the Journal of Networks (ISSN 1796-2056)*, 2008. (accepted for publication).
4. Yi Deng, **S. Masoud Sadjadi**, Peter J. Clarke, Vagelis Hristidis, Raju Rangaswami, and Yingbo Wang. CVM - a communication virtual machine. *The Elsevier Special Issue of the Journal of Systems and Software (JSS)*, 2008. (accepted for publication).
5. Farshad A. Samimi, Philip K. McKinley, **S. M. Sadjadi**, Chiping Tang, Jonathan K. Shapiro, and Zhinan Zhou. Service Clouds: Distributed infrastructure for adaptive communication services. *IEEE Transactions on Network and System Management (TNSM), Special Issue on Self-Managed Networks, Systems and Services*, (in press), expected date of publication is 2007.
6. **S. M. Sadjadi**, Philip K. McKinley, Eric P. Kasten, and Zhinan Zhou. Metasockets: Design and operation of run-time reconfigurable communication services. *Software: Practice and Experience (SP&E). Special Issue: Experiences with Auto-adaptive and Reconfigurable Systems*, 36:1157-1178, 2006.
7. Philip K. McKinley, **S. M. Sadjadi**, Eric P. Kasten, and Betty H. C. Cheng. Composing adaptive software. *IEEE Computer*, 37(7):56-64, July 2004. For more information, please refer to the technical report.
8. P. K. McKinley, U. I. Padmanabhan, N. Ancha, and **S. M. Sadjadi**. Composable proxy services to support collaboration on the mobile internet. *IEEE Transactions on Computers (Special Issue on Wireless Internet)*, pages 713-726, June 2003.

Proceedings

1. **S. Masoud Sadjadi**, Shu-Ching Chen, Borko Furht, Pete Martinez, Scott Graham, Steve Luis, Juan Caraballo, and Yi Deng. Pire: A global living laboratory for cyberinfrastructure application enablement. In *Proceedings of the Tapia Celebration of Diversity in Computing 2009 (Tapia'09)*, Portland, Oregon, April 2009. (Accepted for publication.)
2. Masoud Milani, **S. Masoud Sadjadi**, Raju Rangaswami, Peter Clarke, and Tao Li. Research experiences for undergraduates: Autonomic computing research at fiu. In *Proceedings of the Tapia Celebration of Diversity in Computing 2009 (Tapia'09)*, Portland, Oregon, April 2009. (Accepted for publication.)
3. Selim Kalayci, Onyeka Ezenwoye, Balaji Viswanathan, Gargi Dasgupta, **S. Masoud Sadjadi**, and Liana Fong. Design and implementation of a fault tolerant job flow

- manager using job flow patterns and recovery policies. In *Proceedings of the 6th International Conference on Service Oriented Computing (ICSOC'08)*, Sydney, Australia, December 2008. Accepted for publication (acceptance rate 20.4%).
4. Gargi Dasgupta, Onyeka Ezenwoye, Liana Fong, Selim Kalayci, **S. Masoud Sadjadi**, and Balaji Viswanathan. Design of a fault-tolerant job-flow manager for grid environments using standard technologies, job-flow patterns, and a transparent proxy. In *Proceedings of the 20th International Conference on Software Engineering and Knowledge Engineering (SEKE'2008)*, pages 814-819, San Francisco Bay, USA, July 2008. (36% acceptance rate for Full Papers.).
 5. Onyeka Ezenwoye and **S. Masoud Sadjadi**. A language-based approach to addressing reliability in composite web services. In *Proceedings of the 20th International Conference on Software Engineering and Knowledge Engineering (SEKE'2008)*, pages 649-654, San Francisco Bay, USA, July 2008. (36% acceptance rate for Full Papers.).
 6. Hector A. Duran Limon, **S. Masoud Sadjadi**, Raju Rangaswami, Shu Shimizu, Liana Fong, Rosa M. Badia, Pat Welsh, Sandeep Pattnaik, Anthony Praino, Javier Figueroa, Javier Delgado, Xabriel J. Collazo-Mojica, David Villegas, Selim Kalayci, Gargi Dasgupta, Onyeka Ezenwoye, Khalid Saleem, Juan Carlos Martinez, Ivan Rodero, Shuyi Chen, Javier Muñoz, Diego Lopez, Julita Corbalan, Hugh Willoughby, Michael McFail, Christine Lisetti, and Malek Adjouadi. Grid enablement and resource usage prediction of weather research and forecasting. In *Proceedings of the Collaborative and Grid Computing Technologies Workshop*, page 4, Cancun, Mexico, April 2008.
 7. Ricardo Koller, Raju Rangaswami, Joseph Marrero, Igor Hernandez, Geoffrey Smith, Mandy Barsilai, Silviu Necula, **S. Masoud Sadjadi**, Tao Li, and Krista Merrill. Anatomy of a Real-time Intrusion Prevention System. In *Proceedings of the International Conference on Autonomic Computing (ICAC'08)*, Chicago, IL, June 2008 (accepted for publication, 25% acceptance rate).
 8. Khalid Saleem, **S. Masoud Sadjadi**, and Shu-Ching Cheng. Towards a Self-Configurable Weather Research and Forecasting System. In *Proceedings of the International Conference on Autonomic Computing (ICAC'08)*, Chicago, IL, June 2008 (accepted for publication as short paper, 38% acceptance rate including the full papers).
 9. Yanbin Liu, **S. Masoud Sadjadi**, Liana Fong, Ivan Rodero, David Villegas, Selim Kalayci, Norman Bobroff, and Juan Carlos Martinez. Enabling Autonomic Meta-Scheduling in Grid Environments. In *Proceedings of the International Conference on Autonomic Computing (ICAC'08)*, Chicago, IL, June 2008 (accepted for publication as short paper, 38% acceptance rate including the full papers).
 10. Gargi Dasgupta, Onyeka Ezenwoye, Liana Fong, Selim Kalayci, **S. Masoud Sadjadi**, and Balaji Viswanathan. Runtime Fault-Handling for Job-Flow Management in Grid Environments. In *Proceedings of the International Conference on Autonomic Computing (ICAC'08)*, Chicago, IL, June 2008 (accepted for publication as short paper, 38% acceptance rate including the full papers).
 11. Norman Bobroff, Liana Fong, Selim Kalayci, Yanbin Liu, Juan Carlos Martinez, Ivan Rodero, **S. Masoud Sadjadi**, and David Villegas. Enabling interoperability among meta-schedulers. In *Proceedings of 8th IEEE International Symposium on Cluster*

- Computing and the Grid (CCGrid-2008)*, Lyon, France, 2008. (accepted for publication.).
12. **S. Masoud Sadjadi**, Shu Shimizu, Javier Figueroa, Raju Rangaswami, Javier Delgado, Hector Duran, and Xabriel Collazo. A modeling approach for estimating execution time of long-running scientific applications. In *Proceedings of the 22nd IEEE International Parallel & Distributed Processing Symposium (IPDPS-2008), the Fifth High-Performance Grid Computing Workshop (HPGC-2008)*, Miami, Florida, April 2008. (accepted for publication.).
 13. **S. Masoud Sadjadi**, Liana Fong, Rosa M. Badia, Javier Figueroa, Javier Delgado, Xabriel J. Collazo-Mojica, Khalid Saleem, Raju Rangaswami, Shu Shimizu, Hector A. Duran Limon, Pat Welsh, Sandeep Pattnaik, Anthony Praino, David Villegas, Selim Kalayci, Gargi Dasgupta, Onyeka Ezenwoye, Juan Carlos Martinez, Ivan Rodero, Shuyi Chen, Javier Muñoz, Diego Lopez, Julita Corbalan, Hugh Willoughby, Michael McFail, Christine Lisetti, and Malek Adjouadi. Transparent grid enablement of weather research and forecasting. In *Proceedings of the Mardi Gras Conference 2008 - Workshop on Grid-Enabling Applications*, Baton Rouge, Louisiana, USA, January 2008. (accepted for publication.).
 14. **S. Masoud Sadjadi**, Selim Kalayci, and Yi Deng. A self-configuring communication virtual machine. In *Proceedings of the 2008 IEEE International Conference on Networking, Sensing and Control (ICNSC-08)*, Sanya, China, April 2008. (accepted for publication.).
 15. Xing Hang, David Villegas Castillo, **S. Masoud Sadjadi**, and Heidi Alvarez. Formative assessment of the effectiveness of collaboration in GCB. In *Proceedings of the International Conference on Information Society (i-Society 2007)*, Merrillville, Indiana, USA, October 2007.
 16. Onyeka Ezenwoye, **S. Masoud Sadjadi**, Ariel Carey, and Michael Robinson. Grid service composition in bpel for scientific applications. In *Proceedings of the International Conference on Grid computing, high-performAnce and Distributed Applications (GADA'07)*, Vilamoura, Algarve, Portugal, November 2007.
 17. I. Rodero, J. Corbalan F. Guim, L. L. Fong, Y. G. Liu, and **S. Masoud Sadjadi**. Looking for an evolution of grid scheduling: Meta-brokering. In *Proceedings of the Second CoreGRID Workshop on Middleware at ISC2007 (CoreGRID-2007)*, Dresden, Germany, June 2007.
 18. **S. Masoud Sadjadi**, J. Martinez, T. Soldo, L. Atencio, R. M. Badia, and J. Ejarque. Improving separation of concerns in the development of scientific applications. In *Proceedings of The Nineteenth International Conference on Software Engineering and Knowledge Engineering (SEKE'2007)*, pages 456-461, Boston, USA, July 2007.
 19. **S. Masoud Sadjadi** and Fernando Trigoso. TRAP.NETTRAP: A realization of transparent shaping in .NET. In *Proceedings of The Nineteenth International Conference on Software Engineering and Knowledge Engineering (SEKE'2007)*, pages 19-24, Boston, USA, July 2007.
 20. Heidi L. Alvarez, David Chatfield, Donald A. Cox, Eric Crumpler, Cassian D'Cunha, Ronald Gutierrez, Julio Ibarra, Eric Johnson, Kuldeep Kumar, Tom Milledge, Giri Narasimhan, Rajamani S. Narayanan, Alejandro de la Puente, **S. Masoud Sadjadi**, and Chi Zhang. Cyberbridges: A model collaboration infrastructure for e-Science. In *Proceedings of the the 7th IEEE International Symposium on Cluster Computing and*

the Grid (CCGrid'07), Rio de Janeiro, Brazil, expected date of publication is May 2007.

21. Raju Rangaswami, **S. Masoud Sadjadi**, Nagarajan Prabakar, and Yi Deng. Automatic generation of user-centric multimedia communication services. In *Proceedings of the 26th IEEE International Performance Computing and Communications Conference (IPCCC)*, (in press), New Orleans, Louisiana, USA, expected date of publication is April 2007.
22. Onyeka Ezenwoye and **S. Masoud Sadjadi**. TRAP/BPEL: A framework for dynamic adaptation of composite services. In *Proceedings of the International Conference on Web Information Systems and Technologies (WEBIST 2007)*, (in press), Barcelona, Spain, expected date of publication is March 2007.
23. Onyeka Ezenwoye and **S. Masoud Sadjadi**. RobustBPEL2: Transparent autonomization in business processes through dynamic proxies. In *Proceedings of the 8th International Symposium on Autonomous Decentralized Systems (ISADS 2007)*, (in press), Sedona, Arizona, expected date of publication is March 2007.
24. Chi Zhang, **S. Masoud Sadjadi**, Weixiang Sun, Raju Rangaswami, and Yi Deng. A user-centric network communication broker for multimedia collaborative computing. In *Proceedings of the Second International Conference on Collaborative Computing (CollaborateCom 2006)*, Atlanta, Georgia, USA, November 2006.
25. Yi Deng, **S. Masoud Sadjadi**, Peter J. Clarke, Chi Zhang, Vagelis Hristidis, Raju Rangaswami, and Nagarajan Prabakar. A communication virtual machine. In *Proceedings of the 30th Annual International Computer Software and Applications Conference (COMPSAC 2006)*, Chicago, U.S.A., September 2006.
26. Farshad A. Samimi, Philip K. McKinley, and **S. Masoud Sadjadi**. Mobile Service Clouds: A self-managing infrastructure for autonomic mobile computing services. In *Proceedings of the Second International Workshop on Self-Managed Networks, Systems & Services (SelfMan 2006, LNCS 3996)*, volume 3996 of *Lecture Notes in Computer Science (LNCS)*, pages 130-141, Dublin, Ireland, June 2006. Springer-Verlag.
27. Onyeka Ezenwoye and **S. Masoud Sadjadi**. Enabling robustness in existing BPEL processes. In *Proceedings of the 8th International Conference on Enterprise Information Systems (ICEIS 2006)*, Paphos, Cyprus, May 2006.
28. Onyeka Ezenwoye and **S. Masoud Sadjadi**. Composing aggregate web services in BPEL. In *Proceedings of the 44th ACM Southeast Conference (ACMSE 2006)*, Melbourne, Florida, March 2006.
29. **S. Masoud Sadjadi** and P. K. McKinley. Using transparent shaping and web services to support self-management of composite systems. In *Proceedings of the International Conference on Autonomic Computing (ICAC'05)*, Seattle, Washington, June 2005.
30. **S. Masoud Sadjadi**, Philip K. McKinley, and Betty H.C. Cheng. Transparent shaping of existing software to support pervasive and autonomic computing. In *Proceedings of the first Workshop on the Design and Evolution of Autonomic Application Software 2005 (DEAS'05)*, in conjunction with ICSE 2005, St. Louis, Missouri, May 2005.
31. Farshad A. Samimi, Philip K. McKinley, **S. Masoud Sadjadi**, and Peng Ge. Kernel middleware interaction to support adaptation in pervasive computing environments. In *Proceedings of the Second International Workshop on Middleware for Pervasive*

- and Ad-Hoc Computing, a Companion Proceedings of the fifth International Middleware Conference (Middleware'04)*, Toronto, Ontario, Canada, October 2004.
32. **S. Masoud Sadjadi**, Philip K. McKinley, Betty H.C. Cheng, and R.E. Kurt Stirewalt. TRAP/J: Transparent generation of adaptable Java programs. In *Proceedings of the International Symposium on Distributed Objects and Applications (DOA'04)*, Agia Napa, Cyprus, October 2004.
 33. Z. Zhou, P. K. McKinley, and **S. M. Sadjadi**. On quality-of-service and energy consumption tradeoffs in fec-enabled audio streaming. In *Proceedings of the 12th IEEE International Workshop on Quality of Service (IWQoS 2004)*, Montreal, Canada, June 2004. Winner of the IWQoS 2004 best student paper award.
 34. **S. M. Sadjadi** and P. K. McKinley. Transparent self-optimization in existing CORBA applications. In *Proceedings of the International Conference on Autonomic Computing (ICAC-04)*, pages 88-95, New York, NY, May 2004.
 35. **S. M. Sadjadi**, P. K. McKinley, R. E. K. Stirewalt, and B. H.C. Cheng. Generation of self-optimizing wireless network applications. In *Proceedings of the International Conference on Autonomic Computing (ICAC-04)*, pages 310-311, New York, NY, May 2004.
 36. **S. M. Sadjadi** and P. K. McKinley. ACT: An adaptive CORBA template to support unanticipated adaptation. In *Proceedings of the 24th IEEE International Conference on Distributed Computing Systems (ICDCS'04)*, Tokyo, Japan, March 2004.
 37. **S. M. Sadjadi**, P. K. McKinley, and E. P. Kasten. Architecture and operation of an adaptable communication substrate. In *Proceedings of the Ninth IEEE International Workshop on Future Trends of Distributed Computing Systems (FTDCS'03)*, pages 46-55, San Juan, Puerto Rico, May 2003.
 38. Philip K. McKinley, **S. M. Sadjadi**, E. P. Kasten, and R. Kalaskar. Programming language support for adaptive wearable computing. In *Proceedings of International Symposium on Wearable Computers (ISWC'02)*, pages 205-214, Seattle, Washington, October 2002.
 39. P. K. McKinley, **S. M. Sadjadi**, and E. P. Kasten. An adaptive software approach to intrusion detection and response. In *Proceedings of the 10th International Conference on Telecommunication Systems, Modeling and Analysis (ICTSM10)*, pages 91-99, Monterey, California, October 2002.
 40. P. K. McKinley, E. P. Kasten, **S. M. Sadjadi**, and Z. Zhou. Realizing multi-dimensional software adaptation. In *Proceedings of the ACM Workshop on Self-Healing, Adaptive and self-MANaged Systems (SHAMAN), held in conjunction with the 16th Annual ACM International Conference on Supercomputing*, New York City, NY, June 2002.
 41. Z. Yang, B. H.C. Cheng, R. E. K. Stirewalt, J. Sowell, **S. M. Sadjadi**, and P. K. McKinley. An aspect-oriented approach to dynamic adaptation. In *Proceedings of the ACM SIGSOFT Workshop on Self-healing Software (WOSS'02)*, November 2002.
 42. **S. M. Sadjadi**, P. K. McKinley, and E. P. Kasten. Metasockets: Run-time support for adaptive communication services. In *the Addendum to the Proceedings of the International Symposium on Distributed Objects and Applications (DOA)*, pages 42-45, Irvine, CA, November 2002.
 43. E. P. Kasten, P. K. McKinley, **S. M. Sadjadi**, and R. E. K. Stirewalt. Separating introspection and intercession in metamorphic distributed systems. In *Proceedings of*

the IEEE Workshop on Aspect-Oriented Programming for Distributed Computing (with ICDCS'02), pages 465-472, Vienna, Austria, July 2002.

Chapters in Books

1. Rosa Badia, Gargi Dasgupta, Onyeka Ezenwoye, Liana Fong, Howard Ho, Sawsan Khuri, Yanbin Liu, Steve Luis, Anthony Praino, Jean-Pierre Prost, Ahmed Radwan, **Seyed Masoud Sadjadi**, Shivkumar Shivaji, Balaji Viswanathan, Patrick Welsh, and Akmal Younis. *High Performance Computing and Grids in Action*, chapter Innovative Grid Technologies Applied to Bioinformatics and Hurricane Mitigation. IOS Press, Amsterdam, 2007. (accepted for publication).
2. **S. Masoud Sadjadi** and Philip K. McKinley. *Autonomic Computing: Concepts, Infrastructure, and Applications*, chapter Transparent Autonomization in Composite Systems. CRC Press, Taylor & Francis Group, 6000 Broken Sound Parkway, NW, Suite 300, Boca Raton, FL 33487, pages 169-188, 2007.

Government Reports or Monographs

N/A

Book Reviews

N/A

Posters

1. Camilo A. Silva, Michael Robinson, Guangyuan Liu, **S. Masoud Sadjadi**, Dr. Giri Narasimhan, and Hector Alejandro Durán Limón. Finding repeats and signatures in dna sequences using mpi clusters. In *the poster presentation session of the 6th Latin American Grid (LA Grid) Summit*, Florida Atlantic University, Boca Raton, FL, U.S.A., October 2008.
2. Allison Lanager, Sean Leslie, Seychelles Martinez, Elias Rodriguez, **S. Masoud Sadjadi**, and Hector Alejandro Durán Limón. A web-based portal for hurricane mitigation. In *the poster presentation session of the 6th Latin American Grid (LA Grid) Summit*, Florida Atlantic University, Boca Raton, FL, U.S.A., October 2008.
3. Marlon Bright, Javier Delgado, **S. Masoud Sadjadi**, and Rosa Badia. International experience: From 0 to 6 foreign countries in 9.5 weeks. In *the poster presentation session of the 6th Latin American Grid (LA Grid) Summit*, Florida Atlantic University, Boca Raton, FL, U.S.A., October 2008. Students: Marlon Bright and Javier Delgado; and Mentors: **S. Masoud Sadjadi** and Rosa Badia.
4. Marlon Bright, Javier Delgado, **S. Masoud Sadjadi**, and Rosa Badia. Application profiling and prediction in the grid environment. In *the poster presentation session of the 6th Latin American Grid (LA Grid) Summit*, Florida Atlantic University, Boca Raton, FL, U.S.A., October 2008.
5. Selim Kalayci, **S. Masoud Sadjadi**, and Gargi S. Dasgupta. Pattern based fault-tolerance at workflow management systems. In *the poster presentation session of the 6th Latin American Grid (LA Grid) Summit*, Florida Atlantic University, Boca Raton, FL, U.S.A., October 2008.
6. **S. Masoud Sadjadi**, Javier Muñoz, Diego Lopez, Javier Figueroa, Xabriel J. Collazo-Mojica, Alex Orta, Michael McFailand, David Villegas, Rosa Badia, Pat Welsh, Raju

- Rangaswami, Shu Shimizu, and Hector A. Duran Limon. Transparent grid enablement of WRF using a profiling, code inspection, and modeling approach. In *Poster Presented in the 5th Latin American Grid (LA Grid) Summit*, The IBM T.J. Watson Research Center, NY, U.S.A., September 2007.
7. **S. Masoud Sadjadi**, Steve Luis, Khalid Saleem, Donald Llopis, Javier Munoz, Diego Lopez, Javier Figueroa, David Villegas Castillo, Selim Kalayci, Pat Welsh, Shu-Ching Chen, Anthony Praino, and Hugh Willoughby. The latin american (la) grid weather research and forecast (WRF) portal. In *Poster Presented in the 5th Latin American Grid (LA Grid) Summit*, The IBM T.J. Watson Research Center, NY, U.S.A., September 2007.
 8. Liana Fong, **S. Masoud Sadjadi**, Yanbin Liu, Ivan Rodero, David Villegas, Selim Kalayci, Norman Bobrof, and Julita Corbalan. The la grid meta-scheduling project. In *Poster Presented in the 5th Latin American Grid (LA Grid) Summit*, The IBM T.J. Watson Research Center, NY, U.S.A., September 2007.
 9. Gargi B Dasgupta, Liana Fong, **S. Masoud Sadjadi**, Onyeka Ezenwoye, Balaji Viswanathan, Selim Kalayci, and David Villegas Castillo. Fault-tolerant job-flow management in grid environment. In *Poster Presented in the 5th Latin American Grid (LA Grid) Summit*, The IBM T.J. Watson Research Center, NY, U.S.A., September 2007.
 10. **S. M. Sadjadi**, J. C. Martinez, L. Atencio, T. Soldo, R. Badia, and J. Ejarque. Transparent grid enablement using transparent shaping and grid superscalar. In *Poster Presented in the IBM Technology Leadership Conference*, Florida International University, Miami, FL 33199, October 2006.
 11. Tao Li, **S. M. Sadjadi**, Charles Perng, and Abdi Salahshour. Data mining for autonomic system management: A case study at fiu-scis. In *Proceedings of the NON Confidential Poster at The 4th Proactive Problem Prediction, Avoidance and Diagnosis Conference (PPPADC 2006)*, IBM T. J. Watson Research Center, Yorktown Heights, New York, April 2006.
 12. Zhenxiao Yang, Zhinan Zhou, and **S. M. Sadjadi**. M2: Middleware support for collaborative adaptation. In *The 2004 Department of Computer Science and Engineering Poster Workshop*, East Lansing, Michigan, May 2004.

OTHER PUBLICATIONS

N/A

PRESENTED PAPERS, AND LECTURES

1. LA Grid Research Outlook for 2008: Utilizing and Integrating Four LA Grid Projects to Support On-Demand Multi-Scale Weather Modeling. *Invited Talk at Universitat Politècnica de Catalunya, Barcelona, Spain, December 21, 2007.*
2. From LA Grid to PIRE: Building an Ecosystem for Collaborative Computing Research and Education. *Invited Talk at Universidad Complutense de Madrid, Madrid, Spain, December 20, 2007.*

3. Transparent grid enablement of weather research and forecasting. *Presented at the Mardi Gras Conference 2008 - Workshop on Grid-Enabling Applications*, Baton Rouge, Louisiana, USA, January 2008.
4. Formative assessment of the effectiveness of collaboration in GCB. *Presented at the International Conference on Information Society (i-Society 2007)*, Merrillville, Indiana, USA, October 2007.
5. Improving separation of concerns in the development of scientific applications. *Presented at the Nineteenth International Conference on Software Engineering and Knowledge Engineering (SEKE'2007)*, pages 456-461, Boston, USA, July 2007.
6. TRAP.NET: A realization of transparent shaping in .NET. *Presented at the Nineteenth International Conference on Software Engineering and Knowledge Engineering (SEKE'2007)*, pages 19-24, Boston, USA, July 2007.
7. A communication virtual machine. *Presented at the IBM Technology Leadership Conference*, Florida International University, Miami, FL 33199, October 2006.
8. Transparent grid enablement using transparent shaping and grid superscalar. *Presented at the IBM Technology Leadership Conference*, Florida International University, Miami, FL 33199, October 2006.
9. A user-centric network communication broker for multimedia collaborative computing. *Presented at the Second International Conference on Collaborative Computing (CollaborateCom 2006)*, Atlanta, Georgia, USA, November 2006.
10. A communication virtual machine. *Presented at the 30th Annual International Computer Software and Applications Conference (COMPSAC 2006)*, Chicago, U.S.A., September 2006.
11. Grid Enablement of Hurricane Mitigation Applications. *Presented at the Second Latin American Face-2-Face Meeting*, Florida International University, Miami, May 2006.
12. MetaScheduling and Jobflow in Grid Computing Environments. *Presented at the Second Latin American Face-2-Face Meeting*, Florida International University, Miami, May 2006.
13. Transparent Autonomization: A Practical Approach to Pervasive and Autonomic Computing. *Presented at the UTEP Computer Science Colloquium*, University of Texas, El Paso, August 2005.
14. Using transparent shaping and web services to support self-management of composite systems. *Presented at the International Conference on Autonomic Computing (ICAC'05)*, Seattle, Washington, June 2005.
15. Transparent shaping of existing software to support pervasive and autonomic computing. *Presented at the first Workshop on the Design and Evolution of Autonomic Application Software 2005 (DEAS'05)*, in conjunction with ICSE 2005, St. Louis, Missouri, May 2005.
16. Transparent Shaping: A Practical Approach to Pervasive and Autonomic Computing. *Presented at the School of Computer Science Colloquium*, Florida International University, Miami, February 2005.
17. Transparent self-optimization in existing CORBA applications. *Presented at the International Conference on Autonomic Computing (ICAC-04)*, pages 88-95, New York, NY, May 2004.

18. Generation of self-optimizing wireless network applications. *Presented at the International Conference on Autonomic Computing (ICAC-04)*, pages 310-311, New York, NY, May 2004.
19. Transparent Shaping of Software for Pervasive and Autonomic Computing. *Presented at the School of Computer Science Colloquium*, Florida International University, Miami, April 2004.
20. Transparent Shaping of Software for Adaptable Pervasive Computing. *Presented at CIS Seminar Series*, University of Michigan, Dearborn, March 2004.
21. Transparent Shaping of Software for Adaptable Pervasive Computing. *Presented at the NEC Americas Laboratory*, Princeton, NJ, February 2004.
22. Metasockets: Run-time support for adaptive communication services. *Presented at the International Symposium on Distributed Objects and Applications (DOA)*, Irvine, CA, November 2002.

CREATIVE WORK

Software Packages, Frameworks, and Prototypes:

- **A Prototype for a Web-Based Portal for WRF Ensemble Forest.**
- **A Prototype for a Job-Flow Management in Grid Computing Environments.**
- **A Prototype for a Meta-Scheduling in Grid Computing Environment.**
- **A Prototype for a Transparent Grid Enabler for Java Program.**
- **A Prototype for CVM (Communication Virtual Machine):** This software enables on-demand generation of communication applications from high-level specification of communication needs (Summer 2005 to present).
- **TRAP/BPEL (Transparent Reflective Aspect Programming in Business Processes Execution Language):** A software toolkit that enables dynamic and transparent adaptation in BPEL processes using Generic Proxies.
 - This software is developed by Onyeka Ezenwoye (2004 – 2007)
- **TRAP.NET (Transparent Reflective Aspect Programming in .NET):** A software toolkit that enables transparent and dynamic adaptation in existing .NET applications.
 - The original version is developed by Masoud Sadjadi (2003 – 2004)
 - Twelve of Sadjadi's students have contributed in the recent versions of this software (2004 – 2007)
 - Currently is being used to adapt scientific applications to Grid Computing environments
- **TRAP/J (Transparent Reflective Aspect Programming in Java):** A software toolkit that enables transparent and dynamic adaptation in existing Java applications.
 - The original version is developed by Masoud Sadjadi (2002 – 2003)
 - Five of Sadjadi's students have contributed in the recent versions of this software (2006 – 2007)
 - Originally used for adapting distributed applications to mobile computing environments.
 - Recently has been integrated with GRID superscalar from Barcelona Supercomputing Center to provide a Grid Enablement Toolkit.

- **ACT (Adaptive CORBA Template):** A framework that enables interoperation among otherwise incompatible middleware frameworks, including CORBA, Web Services, and Java RMI.
- **MetaSockets :** Meta-morphic sockets in Java that enable dynamic adaptation in existing Java applications with minimum modification.
- **AdaptiveJava:** A prototype language that extends Java with behavioral reflection.

All the above mentioned software packages are available for download from <http://www.cs.fiu.edu/~sadjadi/>. To date, above 100 downloads of collectively all the above mentioned software packages have been made from all over the world (mostly Europe and USA).

WORKS IN PROGRESS

Papers submitted to journals for consideration

N/A

Other completed papers

1. Tao Li, **S. Masoud Sadjadi**, Juan Carlos Martinez, Lokesh Sasikumar, and Manoj Pillai. Data mining for autonomic system management: A case study at FIU-SCIS.
2. **S. Masoud Sadjadi**, Luis Atencio, and Tatiana Soldo. TRAP/J v2: Improving the Runtime Performance of Adaptable Java Applications.

Research in Progress

Grant Proposals (Pending)

FUNDED RESEARCH

1. Kaseya Corporation
Title: IT Automation Research and Education
PI: **S. M. Sadjadi**
Amount: **\$122,000**
Sadjadi's Share: **\$122,000**
Duration: 10/1/08-9/30/09
2. National Science Foundation (NSF), CREST
Title: CREST: Center for Innovative Information Systems Engineering
Subproject 5 – Complex System Modeling, Analysis and Realization (CS-MAR)
PI: Xudong He; Co-PIs: **S. M. Sadjadi**, Shu-Ching Chen, Peter Clarke, Jason Liu
Award Number: HRD-0833093
Account Number:
Amount: **\$825,000**
Sadjadi's Share: **\$165,000**
Duration: 8/1/08-7/31/13

3. Florida International University, University Graduate School, RUGS
Title: A Student-Driven Distinguished Lecture Series at the School of Computing and Information Sciences at FIU
PI: **S. M. Sadjadi**
Account Number: 202200601
Amount: **\$3,000**
Sadjadi's Share: **\$3,000**
Duration: 8/14/08 – 8/13/09
4. National Science Foundation (NSF), PIRE
Title: A Global Living Laboratory for Cyberinfrastructure Application Enablement
PI: Yi Deng; Co-PIs: **S. M. Sadjadi**, S. Chen, B. Furht, and P. Martinez
Amount: **\$2.27 million**
Sadjadi's Share: **\$454,000**
Duration: 9/15/07 – 8/31/11
Note: After an internal competition at FIU (one of the three winners with the score of %96.3) and a two-stage competition with 500 proposals, only 20 or 4% are selected for award.
5. IBM, Award for Research Support
Title: Transparent Grid Enablement of the Weather Research and Forecast code.
PI: **S. M. Sadjadi**
Amount: **\$20,000**
Sadjadi's Share: **\$20,000**
Duration: 9/1/07- 8/31/08
6. IBM, Award for Research Support
Title: Design and development of the LA Grid MetaScheduler at FIU.
PI: **S. M. Sadjadi**
Amount: **\$20,000**
Sadjadi's Share: **\$20,000**
Duration: 9/1/06- 8/31/07
7. National Science Foundation (NSF), CI-TEAM Implementation Project,
Title: Global CyberBridges (GCB): A Model Global Collaboration Infrastructure for e-Science between US and International Partners
Award Number: OCI-0636031
PI: Heidi Alvarez; Co-PI: P. W Arzberger, J. Ibarra, K. Kumar, and **S. M. Sadjadi**
Amount: **\$765,000**
Sadjadi's Share: **\$104,000**
Duration: **10/2/06 - 12/31/09**
Note: S. Masoud Sadjadi is the sole PI of the sub award to the School of Computing and Information Sciences.
8. National Science Foundation (NSF), CREST Supplement

Title: Development of New Simulation Software for Advanced Energy Systems
PI: Xudong He; Co-PI: **S. M. Sadjadi**, N. Monroe, and C. Haynes
Amount: **\$100,000**
Sadjadi's share: **\$25,000**
Duration: 7/1/06 - 6/30/07

9. National Science Foundation (NSF), REU
Title: Autonomic Computing Research at FIU
PI: M. Milani; Co-PI: T. Li; Senior Investigators: **S. M. Sadjadi**, R. Rangaswami, P. Clarke, and C. Zhang
Amount: **\$300,000**
Sadjadi's Share: **\$50,000**
Duration: 03/15/06 - 03/14/09
Note: NSF limited only one PI and one Co-PI for REU proposals.

10. IBM, Award for Research Support
Title: Grid Enablement of Hurricane Mitigation Applications
PI: **S. M. Sadjadi**
Amount: **\$40,000**
Sadjadi's Share: **\$40,000**
Duration: 6/1/06- 5/31/07
Note: A check for the amount of \$40K was awarded to the School of Computing and Information Sciences at FIU to support Sadjadi's students working on the Grid Enablement Project, which is one of the major projects of the Latin American Grid (LA Grid) initiative.

11. IBM, Shared University Research (SUR)
Title: Combining Knowledge Discovery and Adaptive Software Techniques to Build Autonomic Systems
PI: T. Li; Co-PI: **S. M. Sadjadi**
Amount: **\$50,000**
Sadjadi's Share: **\$25,000**
Duration: 6/1/05- 5/31/06
Note: Brand new computer facilities including two servers, one storage, and ten desktop computers were awarded to FIU to establish the Autonomic Computing Research Laboratory (ACRL). See the attached documents for the details of the equipments.

PATENT DISCLOSURES, APPLICATIONS, AND AWARDS

- Yi Deng, S. Masoud Sadjadi, P. Clarke, V. Hristidis, C. Zhang, R. Rangaswami, and S. Luis. Communication Virtual Machine (CVM). In process. Please see that attached documents.

PROFESSIONAL HONORS, PRIZES, FELLOWSHIPS

Department

N/A

School/College

- Excellence in Mentoring Award, School of Computer Science, Florida International University, 2007.

University

N/A

Other

- **QEM travel award** – Quality Education for Minorities (QEM) Network workshop for the NSF's Major Research Instrumentation (MRI) Program in 2004.
- **IWQoS 2004 Best Student Paper Award**, The Twelfth IEEE International Workshop on Quality of Service (IWQoS 2004), Montreal, Canada, 2004.
- **Outstanding Graduate Student**, Department of Computer Science and Engineering, Michigan State University, 2004.
- **High Score in Qualifying Examination**, awarded \$2000 graduate fellowship for the highest score achieved in the qualifying exam, Department of Computer Science and Engineering, Michigan State University, 2001.

OFFICES HELD IN PROFESSIONAL SOCIETIES

- Member, Institute of Electrical and Electronics Engineers (IEEE).
- Member, Association of Computing Machinery (ACM).

OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE

University Service and Activities

- Graduate Committee Member: 2005-2006, 2006-2007, and 2007-2008.
- Faculty Recruitment Committee Member: 2004-2005, 2005-2006, 2006-2007, and 2008-2009.
- MS in IT Committee: 2005-2006 and 2006-2007.
- Research Colloquium Coordinator: 2004-2005 and 2008-2009.
- Major Advisor for nine PhD students and three MS student.
- Guidance Committee member for ten PhD students and three MS students.

Professional Services

Conference and Workshop Organizing Committee Member:

- Publicity Co-Chair for [the 21st International Conference on Software Engineering and Knowledge Engineering \(SEKE\)](#), 2009.
- Publicity Co-Chair for [the International Conference on Autonomic Computing \(ICAC\)](#), 2009.
- Program Co-Chair for [the IEEE International Conference on Networking, Sensing and Control \(ICNSC\)](#), 2008.
- Member of [Florida LambdaRail Research Advisory Council](#) since 2007.
- Demo/Exhibits Co-Chair for [the Seventeenth International Symposium on High-Performance Distributed Computing \(HPDC\)](#), 2008.
- Publicity Co-Chair for [the CCGrid Workshop on Autonomics for Grids and Datacenters](#), 2008.
- Publicity Co-Chair for [the 20th International Conference on Software Engineering and Knowledge Engineering \(SEKE\)](#), 2008.
- Publicity Co-Chair for [the International Conference on Autonomic Computing \(ICAC\)](#), 2008.
- Session Organizer for [the 20th International Conference on Software Engineering and Knowledge Engineering \(SEKE\)](#), 2008: “[Software Engineering of Autonomic Grid Computing Systems and Applications](#)”.
- Registration Chair for the 2006 IEEE International Conference on Networking, Sensing and Control (ICNSC), Ft. Lauderdale, 2006.

Referee for Journals, Magazines, Conferences, and Workshops:

- Program Committee Member for [the ICSE 4th International Workshop on Software Engineering for Adaptive and Self-Managing Systems \(SEAMS 2009\)](#), 2009.
- Program Committee Member for [the International Workshop on Cloud Computing \(Cloud 2009\)](#), 2009.
- Program Committee Member for [the 21st International Conference on Software Engineering and Knowledge Engineering \(SEKE\)](#), 2009.
- Referee for Elsevier Journal of Parallel and Distributed Computing (JPDC), 2009
- Program Committee Member for [the 9th IEEE International Symposium on Cluster Computing and the Grid \(CCGrid\)](#), 2009.
- Program Committee Member for [the 11th IEEE International Conference on High Performance Computing and Communications \(HPCC\)](#), 2009.
- Program Committee Member for [the International Conference on Autonomic Computing \(ICAC\)](#), 2009.
- Program Committee Member for [the 4th International Conference on Grid and Pervasive Computing \(GPC\)](#), 2009.
- Referee for Elsevier Journal of Parallel and Distributed Computing (JPDC), 2008
- Referee for Elsevier Journal of Systems and Software (JSS), 2008
- Referee for IEEE Journal on Systems, Man, and Cybernetics (SMCC), 2008
- Referee for Journal of Supercomputing, 2008
- Referee for International Journal of Software Engineering and Knowledge Engineering (IJSEKE), 2008
- Referee for IEEE’s Transactions on Parallel and Distributed Systems (TPDS), 2008
- Referee for Journal of High Speed Networks (JHSN), 2008

- Referee for Iranian Journal of Electrical and Computer Engineering (IJECE), 2008
- Program Committee Member for [the 12th International Conference on Software Engineering and Applications \(SEA\)](#), 2008.
- Program Committee Member for [the Fifth International Conference on Distributed Computing and Internet Technology \(ICDCIT-08\)](#), 2008.
- Program Committee Member for [the IEEE International Workshop on Autonomic Service Discovery and Management \(ASDM'08\)](#), 2008.
- Program Committee Member for [the 20th International Conference on Software Engineering and Knowledge Engineering \(SEKE\)](#), 2008.
- Program Committee Member for [the International Conference on Autonomic Computing \(ICAC\)](#), 2008.
- Program Committee Member for [the 3rd International Workshop on Software Engineering for Adaptive and Self-Managing Systems \(SEAMS-2008\)](#), 2008.
- Program Committee Member for [the Fifth High-Performance Grid Computing Workshop \(HPGC-2008\)](#), 2008.
- Program Committee Member for [the 3rd International Conference on Grid and Pervasive Computing \(GPC'08\)](#), 2008.
- Referee for the Journal of High Speed Networks (JHSN), 2007.
- Program Committee Member for [Middleware 2007 Workshop on Modeling Software Architectures of Middleware-intensive Applications \(MoSAMinA 2007\)](#), 2007.
- Program Committee Member for [the International Conference of Software Engineering & Knowledge Engineering \(SEKE\)](#), 2007.
- Program Committee Member for the 2nd International Workshop on Software Engineering for Adaptive and Self-Managing Systems (SEAMS), 2007.
- Program Committee Member for the 5th International Workshop on Self-Adaptive and Autonomic Computing Systems (SAACS), 2007.
- Program Committee Member for the 4th International Conference on Autonomic and Trusted Computing (ATC), 2007.
- Referee for the International Journal of Computers and Applications, 2006.
- Referee for the Journal of Autonomic and Trusted Computing (JoATC), 2006.
- Referee for the Journal of High Speed Networks (JHSN), 2006.
- Referee for the Journal of Systems and Software (JSS), 2006.
- Program Committee Member for the 3rd International Conference on Autonomic and Trusted Computing (ATC), China, September 3-6, 2006.
- Program Committee Member for the ICSE-SEAMS 2006 Workshop on Software Engineering for Adaptive and Self-Managing Systems (SEAMS), May 21-22, 2006, Shanghai, China.
- Program Committee Member for the fourth ACS/IEEE International Conference on Computer Systems and Applications (AICCSA-06), Dubai/Sharjah, UAE, March 8-11, 2006.
- Program Committee Member for the CSICC 2006, the first International Conference on Computer Society of Iran Computer Conference (CSICC) , Tehran, Iran, January 24-26, 2006.
- Referee for the IEEE Transactions on Software Engineering (TSE), 2005.
- Referee for the Elsevier Journal of System and Software (JSS), 2005.

- Referee for the Special Issue of Wiley InterScience "Software, Practice and Experience" (SP&E) journal on "Experiences with Auto-adaptive and Reconfigurable systems", 2004-2005.

Teaching

List of Courses Taught at FIU

1. CEN 4010 –Software Engineering I: Spring 2005 (2 sessions), Spring 2006, Summer 2006.
2. CEN 4021 – Software Engineering II: Spring 2006.
3. CEN 5011 – Advanced Software Engineering: Fall 2004, Fall 2005, and Fall 2006.
4. CEN 4023 – Component-Based Software Development: Fall 2006.
5. CEN 4500 – Data Communications: Spring 2007 (2 sessions)
6. COP 4610 – Operating Systems Principles: Fall 2006.
7. CDA 4101 – Structured Computer Organization: Summer 2006.
8. CIS 6612 – Autonomic Grid Computing: Summer 2006 and Spring 2007.
9. COP 4009 – Windows Component Technology: Fall 2005.
10. CIS 6612 – High-Performance Grid Computing and Research Networking: Spring 2007.
11. CIS 6612 – Special Topics in Grid Enablement of Scientific Applications: Spring 2008.
12. COP 4225 – Advanced UNIX Programming: Summer 2007.
13. CIS 6612 – Grid Enablement of Scientific Applications: Fall 2008.

Graduate Student Supervision

Major Advisor:

PhD Students:

1. **Onyeka Ezenwoye**, "Enabling Adaptability in Service Aggregates Using Transparent Shaping Techniques," **Ph.D., July 2007**, Assistant Professor, Software Engineering, South Dakota State University.
2. **Selim Kalayci**, "Peer to Peer MetaScheduling and MetaBrokering in Grid Computing," current Ph.D. student.
3. **Juan Carlos Martinez**, "Transparent Grid Enablement of Existing Scientific Applications," current Ph.D. student.
4. **David Villegas Castillo**, "TBD," current Ph.D. student.
5. **Leonard Reisman**, "TBD," current Ph.D. student.
6. **Eric Meyer**, "TBD," current Ph.D. student.
7. **Ray A. Colucci**, "TBD," current Ph.D. student.
8. **Javier Munoz**, "TBD," current Ph.D. student.
9. **Diego Lopez**, "TBD," current Ph.D. student.

MS Students:

1. **Fernando Trigoso**, "TRAP.NET: A REALIZATION OF TRANSPARENT SHAPING IN .NET," **M.S. Thesis, May 2007**, Software Architect, [Strategic Healthcare Management Systems](#).

2. Allison Lanager, “Web-Based Portal for Hurricane Turbulence Study”, PIRE-2008, (Expected to graduate in Dec. 2008, non-thesis/coursework)
3. Allen Lee, “TRAP.NET”, (Graduated, non-thesis/coursework)
4. Dany Guevara: Fall 2006 to present (*Non-thesis option*, expected to graduate in May 2007)
5. David Villegas: Fall 2006 to present (*Thesis option*, started in Fall 2006)
6. Eric Sanchez: Fall 2005 to Spring 2006 (Graduated, non-thesis/coursework)
7. Yasmery Hernandez: Fall 2005 to Fall 2006
8. Ana Rodriguez: Summer 2005 to Summer 2006
9. Robert Redway: Fall 2005
10. Shakil Seddique: Fall 2004 to Spring 2005 (Graduated, non-thesis/coursework)

Undergraduates:

- TRAP/J
 - Luis Atencio, REU 2006, graduated in May 2007, currently with Citrix.
 - Tatiana Soldo, REU 2006, graduated in May 2007, currently with IBM.
 - Javier Torres
 - Evy Peralta
 - Danil Flores
 - Sebastian Gonzalez
- TRAP.NET
 - Javier Ocasio, REU-2006
 - Enrique Villa
 - Frank Suero
 - Etnan Gonzalez
 - Edwin Garcia
 - Alain Rodriguez
 - Lazaro Millo
 - Jose Humberto Cifuentes
 - German Moran, Honors College
- Profiling and Modeling the Behavior of WRF
 - Marlon Bright, REU-2007
 - Javier Figueroa, REU-2007
 - Xabriel Collazo, REU-2007, University of Puerto Rico, Mayagüez (UPRM)
 - Alex Orta, REU-2007
 - Michael McFail, REU-2007, Indiana University of Pennsylvania (IUP)
- Communication Virtual Machine
 - Jon Corrales, graduated with BS in CS in 2006, Patent Office in Virginia since 2006
 - Eduardo Monteiro
 - Farid Husseini, Graduated with BS in CS, currently with Microsoft
- MotoWaveZ
 - Luis Sanchez

- Lazaro Martinez, graduated with BS in CS, currently an Oracle Database Manager, City of Miami
- Eduardo Monzon
- Mavis Franco
- RootSense
 - Krista Merrill
 - Joseph Marrero
 - Igor Hernandez
- WRF Web-Based Portal
 - Elias Rodriguez, REU-2008, Polytechnic University of Puerto Rico (PUPR)
 - Seychelles Martinez, REU-2008
 - Donald Llopis
- Finding Discriminating DNA Probe Sequences
 - Camilo Silva, REU-2008

Member on Thesis Committee:

PhD Dissertation Committee:

1. Shu Gao: Fall 2004 to July 2005 (graduated in July 2005). Major advisors: Dr. Yi Deng and Dr. Xudong He.
2. Gonzalo Argote: Fall 2004 to present. Major advisor: Dr. Xudong He
3. Yingbo Wang: Spring 2005 to present. Major advisors: Dr. Yi Deng and Dr. Peter Clarke.
4. Ying Huang: Fall 2005 to present (proposed in December 2005). Major advisor: Dr. Xudong He.
5. Miaohua Xu: Spring 2005 to present. Major advisor: Dr. Xudong He.
6. Djuradj Babic: Summer 2006 to present. Major advisor: Dr. Peter Clarke.
7. Jonathan Alva: Summer 2006 to present. Major advisor: Dr. Peter Clarke.
8. Lily Chang: Fall 2006 to present. Major advisor: Dr. Xudong He.
9. Fu Yujin: Fall 2005 to present. Major advisor: Dr. Xudong He.

MS Thesis Committee:

1. David Crowther: Graduated in Summer 2005. Major advisor: Dr. Peter Clarke.
2. Jose Osorio: Fall 2005 to present. Major advisor: Dr. Raimund Ege.
3. Javier Delgado: Summer 2006 to present. Major advisor: Dr. Adjoudi

Course, Curriculum Development Activities

1. Developed the IT Automation course.
2. Developed and taught the Grid Enablement of Scientific Applications.
3. Developed and taught the CEN 4023 (previously called COP 4991), Component-Based Software Development (see the course outline).
4. Served on the MS in IT committee and participated in the development of the MS in IT proposal.
5. Developed the Computer System Fundamentals (CIS 5XXX) for MS in IT (see the course outline).

6. Together with Dr. Xudong He, Contributed in the Developed of Software and Data Modeling (CIS 5XXX) for MS in IT (see the course outline).
7. Developed and taught the Autonomic Grid Computing course (taught under CIS 6612 – Advanced Topics in Software Engineering).
8. Developed and currently teaching the Cluster and Grid Computing course (being taught under CIS 6612 – Advanced Topics in Software Engineering) for non-computer major scientists.

Last modified 11/16/2008