

## CURRICULUM VITAE

March 2017

**NAME/TITLE:** Hamid R. Arabnia, Professor of Computer Science

**ADDRESS:** Department of Computer Science  
University of Georgia  
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Athens, Georgia 30602-7404  
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### EDUCATION:

Ph.D. University of Kent, Canterbury, England 1987  
B.Sc. Honors II (i) - Polytechnic of Wales / University of Glamorgan, U.K. 1983

### RESEARCH INTERESTS:

*Topics:* Parallel and Distributed Processing Techniques and Algorithms, Supercomputing, Big Data Analytics (in the context of scalable HPC), Imaging Science (Image Processing, Computer Vision, & Computer Graphics), and other compute intensive problems; methodologies that promote cross-disciplinary education is also of great interest.

*Applications:* Health Informatics, Medical Imaging, and Security.

*Recent Activity:* Studying ways to promote legislation that would prevent cyber-stalking, cyber-harassment, and cyber-bullying. Won Default Judgement in one of the first lawsuits of its kind in the United States (Court-Ordered Default as to liability against defendant on ALL claims.)

### POSITIONS (Academic & Industry):

1987 – Present: **Full Professor** (promoted 2006), University of Georgia, Computer Science Department.  
1987 - Present: **Consultant**, various corporations and companies.  
2016 – Present: **Graduate Coordinator (PhD, MS, MAMS)**  
2002-2009: **Graduate Coordinator (PhD, MS, MAMS)**; secured the largest level of funding in the history of the department for supporting the research and education of graduate students (PhD, MS).  
1985 – 1987: **Instructor**, University of Kent, England.  
1981 – 1982: **Analyst Programmer**, System Replacement, Dept. of Transport, DVLC, Swansea, U.K.

### POSITIONS (Professional):

1997-present: Editor-in-Chief, The Journal of Supercomputing (Springer; 100% increase in Impact Factor by Thomson Reuters, past 7 years); Indexed: Science Citation Index, SCOPUS, INSPEC, EBSCO, CSA, ACM Digital Library, Computer Science Index, EI-Compendex, ProQuest, ...

2010-present: Co-Editor/Board, Journal of Computational Science (Elsevier)

2014-present: Editor-in-Chief, Book Series, Transactions of Computational Science & Computational Intelligence (Springer)

2014-present: Editor-in-Chief, Book Series, Emerging Trends in Computer Science and Applied Computing (Elsevier)

2014-present: Fellow & Advisor, Center of Excellence in Terrorism, Resilience, Intelligence & Organized Crime Research (CENTRIC: <http://research.shu.ac.uk/centric/>)

2015-present: Academy Member, University of Georgia Teaching Academy (part of Teaching Academy Campus Program initiated by Carnegie Foundation for the Advancement of Teaching and the American Association for Higher Education), formally Inducted on November 2, 2015.

2010-2016: Elected Fellow, Int'l Society of Intelligent Biological Medicine

2015-2016: Senior Teaching Fellow (one of 8 UGA fellows); Center for Teaching & Learning, The University of Georgia

## **HONORS AND AWARDS: (2014-2017) – a partial list.**

- Received the Distinguished Research Award for Outstanding Contributions to Adaptable Communication Systems. Presented by ACM SIGAPP IMCOM Co-Chairs, 2014.
- Nominated for IEEE Computer Society Technical Committee on Parallel Processing (TCPP) for 2014 Outstanding Service. Prof. Allan Gottlieb (NYU) received the award; Selection Committee Chair: Prof. VK Prasanna, 2014.
- Fellow and Member of Advisory Board of Center of Excellence in Terrorism, Resilience, Intelligence and Organized Crime Research (CENTRIC: <http://research.shu.ac.uk/centric/>), United Kingdom, 2014 - ...
- University of Georgia Certificate of Acknowledgement for contributing greatly to students' career development (acknowledged & issued by UGA Career Center Executive Director), 2014.
- University of Georgia Certificate of Acknowledgement for contributing greatly to students' career development (acknowledged & issued by UGA Career Center Executive Director), 2015.
- Received "The 2015 International Research Excellence Award" sponsored by Future Technology Research Association International (FTRAI); the award prize was accompanied with an honorarium. 2015.
- Member, University of Georgia Teaching Academy (part of Teaching Academy Campus Program initiated by Carnegie Foundation for the Advancement of Teaching and the American Association for Higher Education), formal induction ceremony - Inducted on November 2, 2015.
- Senior Teaching Fellow (one of 8 UGA fellows); Center for Teaching & Learning, The University of Georgia; 2015-2016.
- Thank-a-Teacher initiative administered by Vice President of Instruction & Director of Center for Teaching & Learning; reported positive teaching impact; a student states "Dr. Arabnia is one of the most passionate and talented professor I have ever encountered at UGA ..."; 2016.
- Received the Research Excellence Award "In Recognition of Outstanding Research", presented by The Korea Information Processing Society (KIPS). The award was accompanied by a cash honorarium. KIPS is one of the largest computer science societies in Far East. Award presented in 2016.

## **HONORS AND AWARDS: (prior to 2014; a partial list / small sample)**

- A regional winner in the "Johns Hopkins National Search for Computing to Assist Persons with Disabilities" competition. The computer input device designed and built by H. R. Arabnia and his student, C. Y. Chen, was demonstrated at Inforum, Atlanta, GA, December 6, 1991. Arabnia's device won one of 13 awards, a certificate, and a prize. There were over 200 entries in this competition (held once every 10 years). December 1991.
- Recipient of the William F. Rockwell, Jr. Medal for promotion of Multi-Disciplinary Research in the Parallel Processing Research Community (International Technology Institute's Highest Medal), June 2000.
- Elected into The World Level of the Hall of Fame for Engineering, Science and Technology (The World Level is the highest possible level for a living person). Dr. Arabnia was formally inducted on June 26, 2000 (by President of International Technology Institute). 2000.
- UGA, The Learning Disabilities Center (LDC) selected Dr. Arabnia as a faculty member who has positively impacted the education of students with learning disabilities. October 2003.
- UGA, Career Center, selected Dr. Arabnia as a faculty member who has greatly contributed to the career development of UGA students, April 2005.
- Received a Distinguished Service Award in "recognition and appreciation of Dr. Arabnia's contributions to the profession of computer science and his assistance and support to students and scholars from all over the world"; June 26, 2006.
- Recipient of the "Outstanding Achievement Award in Recognition of His Leadership and Outstanding Research Contributions to the Field of Supercomputing". This award was formally presented to Dr. Arabnia on October 14, 2007, at Harvard University Medical School (signatories: Lawrence O. Hall, President of IEEE/SMC; Zhi-Pei Liang, Vice President of IEEE/EMB; Jack. Y. Yang, General Chair of IEEE BIBE and Harvard University; Mary Qu Yang, Chair of Steering Committee, IEEE BIBE and NIH). 2007.
- Recipient of the "Outstanding Achievement Award in Recognition of his Outstanding Contributions to the Fields of Bioinformatics and Bioengineering" (high-performance computing). This award was formally presented to Dr. Arabnia on October 15, 2007, at Harvard University Medical School (signatories: Lawrence O. Hall, President of IEEE/SMC and Jack. Y. Yang, General Chair of IEEE BIBE and Harvard University) 2007.
- Elected Fellow, The International Society of Intelligent Biological Medicine (ISIBM, <http://www.isibm.org/fellows.php>), 2009.

- Keynote Award, in recognition of outstanding contributions to the fields of bioinformatics, systems biology and intelligent computing; awarded by the 2009 Int'l Joint Conferences on Bioinformatics, Systems Biology and Intelligent Computing (IJCBS: Co-sponsored by IEEE, NSF, ...) - HPC; August 4, 2009.
- Outstanding Leadership Award, formally presented by Chair of ITCS 2011 Steering Committee, (Seoul National University of Science and Technology, South Korea), Gwangju, South Korea, October 21, 2011.
- Certificate of Honor and Appreciation, presented by the Organizing Committee of the 12th International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT 2011) for presenting the Conference Keynote Speech/Lecture, Gwangju, South Korea, October 21, 2011.
- Nominated for IEEE Computer Society Technical Committee on Parallel Processing (TCPP) for 2011 Outstanding Service. Short listed candidates: Hamid Arabnia (University of Georgia), David Bader (Georgia Tech), Sudarshan Deshmukh (University of Pune, India), Allan Gottlieb (NYU), Charles Leiserson (MIT), Arnold Rosenberg (Northeastern and Colorado State), and Albert Zomaya (University of Sydney, Australia). Prof. Albert Zomaya won the award (IEEE Awards Committee Chair: Sartaj Sahni, UFL), May 2011.
- Quote from an interview with the "Father of Fuzzy Logic", Prof. Lotfi Zadeh (University of California, Berkeley) - the interview was conducted & moderated by directors of NIPSIA & IPSIA - Prof. Lotfi Zadeh states "... there are top great students and many of them have become prominent in the academic world and there are many people from Iran; they are in Canada; they are in American universities. A good example is Hamid Arabnia; he is chairing WORLDCOMP conference, ...". May 9, 2011 - [http://www.youtube.com/watch?v=yNL3c0hJ5Q&feature=player\\_embedded](http://www.youtube.com/watch?v=yNL3c0hJ5Q&feature=player_embedded)
- Appreciation Award, "in recognition of a substantial contribution to the IMS 2012 through participation as a Invited Speaker."; The 8th International Symposium on Intelligent and Manufacturing Systems - autonomous service and manufacturing systems", (IMS 2012: Antalya, Adrasan, Turkey, September 27-28, 2012; <http://www.ims.sakarya.edu.tr/>). Organized and sponsored by Sakarya University, Turkey (Co-chairs: L. A. Zadeh, I. B. Turksen, Z. Sen). September 2012.
- Distinguished Leadership and Visionary Award. Presented by FTRA (Future Technology Research Association), Steering Committee of CSA-13 International Conference, Vietnam, December 18, 2013.

## GRANTS:

1. Hamid R. Arabnia, *A Lip-reading Machine*, University of Georgia Faculty Research Grant, \$3340, (1989).
2. Robert W. Robinson (P.I.), *Computer and Information Science and Engineering (CISE) Research Instrumentation*, National Science Foundation (NSF), \$55,000 (includes UGA's matching fund). Contributed one out of four projects: "Geometrical Operations on Stripcoded Images". Grant Number: CDA-8820544 (1989-91).
3. Hamid R. Arabnia, *A Vision-based Computer Input Device*, University of Georgia Faculty Research Grant, \$2500, (1990).
4. Hamid R. Arabnia, *A Vision-based Cursor Positioning Input Device (em Eye Tracking)*, University of Georgia Faculty Research Grant, \$3500, (1991).
5. Hamid R. Arabnia and Jeffrey W. Smith, *Instructional Visualization of Complex Processes*, University of Georgia Instructional Improvement Grant, \$1500 together with a contribution of \$3500 from the Computer Science Department, (1991).
6. Hamid R. Arabnia, *Operations On Digitized Images*, Intel Corp. funds for maintaining the UGA's Hypercube parallel system; contributed one project in support of the technical justification of the proposal, \$14,939 from Intel Corp. and \$6,000 from UGA's School of Arts and Sciences, (1991-92).
7. Hamid R. Arabnia and E. Rodney Canfield, *Support For Teaching Practical Parallel Processing*, University of Georgia Instructional Technology Grant, \$12,400 for equipment. School of Arts & Sciences contribution: \$23,000, (1991-93)
8. *Technical Account Engineer Training Program* October 1991. Selected DEC (Digital Equipment Corp.) engineers were trained in each of the following topics: operating systems design concepts, programming principles, network design and analysis, system interoperability, network management, and system analysis and design. The Department of Computer Science was responsible for the following three courses: the operating systems design concepts, programming principles, and network management. The UGA Departmental faculty involved in this work were: J. W. Smith, H. R. Arabnia, S. C. Cater, D. M. Everett, and K. J. Kochut. The University of Georgia (Georgia Center) received \$109,000 from DEC for the course offerings, (1991).
9. Hamid R. Arabnia, *A Classroom for Computer Graphics and Image Processing*. Sun Microsystems, Inc. This project was one of four that formed the technical justification of the proposal. Other investigators were Robert W. Robinson (P.I.), Jeffrey W. Smith, and John A. Miller. \$60,100 awarded by Sun's Regent's Office of Information Technology (1991).

10. Hamid R. Arabnia, *Towards a Cost-Effective Super Computer*, University of Georgia Faculty Research Grant, \$2,500 (1992).
11. *Technical Account Engineer Training Program July 1992*. Our proposal was selected by DEC (Digital Equipment Corp.) to train their engineers in the following topics (courses): programming principles, operating systems design concepts, network management, network design and analysis, and system interoperability. The Department of Computer Science was responsible for all five courses. The UGA Departmental faculty involved in this work were: J. W. Smith, H. R. Arabnia, S. C. Cater, D. M. Everett, and K. J. Kochut. The University of Georgia (Georgia Center) received \$160,000 from DEC for the course offerings, (1992).
12. Hamid R. Arabnia, *A Study Of A High-Performance Multiprocessor System And Its Application In Real-Time GIS*, University of Georgia Faculty Research Grant, \$2,950, (1993).
13. Hamid R. Arabnia, Jonathan Arnold, Suchendra M. Bhandarkar, and David Whitmire, *Novel Data Parallel Algorithms and Neural Networks for Computer Vision, Image Processing and Genetics on the MasPar MP-2*. MasPar Computer Corporation awarded \$105,800 towards the purchase of MP-2202A parallel computer and gave a discount of \$89,000. The University of Georgia Research Foundation provided \$162,500 towards the matching cost, total amount: \$357,300 (1994-96).
14. Hamid R. Arabnia, *Stereocorrelation and its Applications in Medical Imaging*, Research seed money from the University of Georgia Research Foundation, \$14,000 (includes \$5,500 from CS cost sharing) (1995-96).
15. Hamid R. Arabnia, *Curriculum Revision in the Department of Computer Science*, Vice President for Academic Affairs, The University of Georgia, \$8,800 (1996-97).
16. H. R. Arabnia, S. Bhandarkar, D. Everett, J. Kececioglu, K. Kochut, J. A. Miller, R. W. Robinson, A. Sheth, J. W. Smith, Q. Zhang, *Mobile Multimedia Instruction Environment for a Majority of Computer Science Curriculum*, UGA Office of Instructional Development (Instructional Tech. Grants), \$8,500, April 1, 1996 - March 30, 1997.
17. *Acquisition of a Symmetric Multiprocessor Scientific Computer System*, NSF, David Landau (P.I.), Hamid R. Arabnia, David Lowenthal, W. D. Potter, Thiab R. Taha, *et al*, \$420,000 (with matching funds of \$314,899 from OVPR and \$157,200 from UCNS) September 15, 1997 - September 14, 1999.
18. Proposal for Research Funding Support for Research Equipment, D. K. Lowenthal (PI), H. R. Arabnia, S. M. Bhandarkar, J. Kececioglu, and T. R. Taha (Co-PIs), Arts and Sciences Deans Office, \$16,963, 1998.
19. Arabnia, H.R., for research justification - Contributed (one of many such contributions) the Project entitled "High-Performance Imaging"; National Center for Research Resources 3T MRI magnet grant, (PI: Steve Miller), \$2M, Georgia Research Alliance and UGA Research Foundation, 2005-2007.
20. Hamid R. Arabnia (PI/Director), Co-Investigators: Drs. Brad Barnes, S. M. Bhandarkar, S. Funk, C. Plaue, W. D. Potter; "A Seamless Integration of Visualization, Simulation, and Robotics Technologies to Enhance Student Learning", FY2015 Round Two Learning Technologies Grant Award, The University of Georgia, Funded, \$10,000, Funded, 2015.
21. CTL Senior Teaching Fellow Grant (Center for Teaching and Learning, The University of Georgia): Amount: \$2,000, 2015-2016.

#### **YAMACRAW GRANTS:**

(Competitive funded proposals submitted to the State of Georgia's Yamacraw Program. This was an initiative to bring the state to the forefront of high tech industry.) – Funded proposals:

22. University of Georgia Yamacraw Program (2000-2001), E. Rodney Canfield (PI), Jeffrey W. Smith and Hamid R. Arabnia (Co-PI's), Georgia Governor's office, \$711,436, support for permanent/continued staff and faculty positions (includes startup funds for new faculty) for the Department of Computer Science.
23. University of Georgia Yamacraw Program (2001-2002), E. Rodney Canfield (PI), Jeffrey W. Smith and Hamid R. Arabnia (Co-PI's), Georgia Governor's office, \$878,592, continued support for permanent/continued staff and faculty positions (includes startup funds for new faculty) for the Department of Computer Science.
24. University of Georgia Yamacraw Program (2002-2003), E. Rodney Canfield (PI), Jeffrey W. Smith and Hamid R. Arabnia (Co-PI's), Georgia Governor's office, \$608,402, continued support for permanent/continued staff and faculty positions for the Department of Computer Science.
25. University of Georgia Yamacraw Program (2003-2004), E. Rodney Canfield, (PI), Jeffrey W. Smith and Hamid R. Arabnia (Co-PI's), Georgia Governor's Office, \$639,099, continued support for permanent/continued staff and faculty positions for the Department of Computer Science. (UGA provided an additional \$137,714 for this endeavor.)
26. University of Georgia Yamacraw Program (2004-2005), E. Rodney Canfield, (PI), Jeffrey W. Smith and Hamid R. Arabnia (Co-PI's), Georgia Governor's Office, \$469,976, continued support for permanent/continued staff and

faculty positions for the Department of Computer Science. (UGA provided an additional \$144,894 for this endeavor.)

27. University of Georgia Yamacraw Program (2005-2006), E. Rodney Canfield, (PI), Jeffrey W. Smith and Hamid R. Arabnia (Co-PI's), Georgia Governor's Office, \$469,976, continued support for permanent/continued staff and faculty positions for the Department of Computer Science. (UGA provided an additional \$144,894 for this endeavor.)
28. University of Georgia Yamacraw Program (2006-2007), E. Rodney Canfield, (PI), Jeffrey W. Smith and Hamid R. Arabnia (Co-PI's), Georgia Governor's Office, \$473,237, continued support for permanent/continued staff and faculty positions for the Department of Computer Science. (UGA provided an additional \$148,791 for this endeavor.)
29. University of Georgia Yamacraw Program (2007-2008), E. Rodney Canfield, (PI), Jeffrey W. Smith and Hamid R. Arabnia (Co-PI's), Georgia Governor's Office, \$501,613, continued support for permanent/continued staff and faculty positions for the Department of Computer Science. (UGA provided an additional \$156,463 for this endeavor.)
30. University of Georgia Yamacraw Program (2008-2009), E. Rodney Canfield (PI), Jeffrey W. Smith and Hamid R. Arabnia (Co-PI's), Georgia Governor's Office, \$537,743, continued support for permanent/continued staff and faculty positions for the Department of Computer Science (UGA provided an additional \$162,728 for this endeavor.)

## **MEMBER OF THE EDITORIAL BOARD OF JOURNALS:**

**Member of 45 Journal Editorial Boards – the list below is a partial list:**

1. Editor-in-Chief, The Journal of Supercomputing (Kluwer Academic Publishers / Springer) (Since 1997.)
2. Editor, Transactions of Computational Science & Computational Intelligence (book series), Springer, 2013 - ...
3. Emerging Trends in Computer Science and Applied Computing (book series), Elsevier, 2013 - ...
4. The International Journal of Communication Systems (IJCS), published by John Wiley (Since Nov. 2000).
5. Consulting Editor, Int'l Journal of Computational Intelligence in Bioinformatics and Systems Biology (IJCIBSB), InderScience Publishers, 2007-
6. Consulting Co-Editor, The International Journal of Computational Intelligence in Bioinformatics and Systems Biology (IJCIBSB, ISSN #: 1755-8034), 2007 - ...
7. International Journal of Autonomous and Adaptive Communications Systems (IJAACS, ISSN/Print: 1754-8632 & ISSN/Online: 1754-8640, 2008 - ...
8. International Journal of Functional Informatics and Personalized Medicine (IJFIPM), ISSN/Print: 1756-2104 & ISSN/Online: 1756-2112, 2008 - ...
9. International Journal of Computational Biology and Drug Design (IJCBD), ISSN/Print: 1756-0756 & ISSN/Online: 1756-0764, 2008 - ...
10. International Journal of Mathematics and Engineering With Computers (IJMAEC, Serials Publications, <http://www.serialspublications.com>), 2008 - ...
11. Associate Co Editor-in-Chief, Journal of Emerging Technologies in Web Intelligence (JETWI, <http://www.academypublisher.com/jetwi/>), Academy Publisher, ISSN: 1798-0461, 2009 - ...
12. Advisory Editor, Journal of Information Processing Systems (JIPS: <http://jips.kips.or.kr>, ISSN 1976-913X), 2009-
13. Member, Advisory Board, International Journal of Information Technology, Communications and Convergence (IJITCC), ISSN (Online): 2042-3225; ISSN (Print): 2042-3217; 2009 - ...
14. Member, Advisory Board, International Journal of Biological Sciences and Technology (IJBST, [www.ijblst.org](http://www.ijblst.org)), 2009 - ...
15. Member, Editorial Board, Journal of Computational Science (Elsevier, <http://www.elsevier.com/locate/jocs>), editor: P. M. A. Sloot (U. Amsterdam), Assoc. Ed.: J. Dongarra (U. of Tennessee) and P. V. Coveney (U. College London, UK), 2010 - ...
16. Member, Advisory Board, Journal of Human-Centric Computing and Information Sciences (<http://www.hcis-journal.com> - Publisher: Springer, SpringerOpen – an Open Access Journal), 2011 – present.
17. Member, Advisory Board, FTRA Journal of Convergence ( <http://www.ftrai.org/joc/> ), Publisher: FTRA), 2011 – present.
18. Journal of Mathematical Sciences (Editor-in-Chief: Prof. K. Maleknejad), Springer, 2012 - ...
19. Co-Editor-in-Chief, (With Professor Seungmin Rho, Sungkyul, Korea), Journal of Platform Technology (<http://jpt.ictps.org/> ), ICTPS publishers, 2013 - ...
20. Distinguished Editor, International Management Review (IMR), a peer-reviewed journal; ISSN 1551-6849, 2015 ...



21. Member, Editorial Board, International Journal of Fuzzy Computation and Modelling (ISSN # (Print): 2052-353X and ISSN # (Online): 2052-3548; (ISSN # (Print): 2052-353X and ISSN # (Online): 2052-3548; 2013 - ...
22. Senior Associate Editor, PSU Research Review: An International Journal; Emerald Publishing, [http://www.emeraldgroupublishing.com/services/publishing/prr/editorial\\_team.htm](http://www.emeraldgroupublishing.com/services/publishing/prr/editorial_team.htm) ; 2016, ...

**PUBLICATIONS: BOOKS AUTHORED/CO-AUTHORED:**

1. Marvin I. Marin and Hamid R. Arabnia, "Problems in Algebra and Mathematical Analysis". Publisher: Elliot & Fitzpatrick Inc., ISBN #: 0-945019-92-0; 360 pages, 2004.
2. Marin I. Marin and Hamid R. Arabnia, "Equations of Evolution", ISBN # 978-1-4243-0722-7, Elliott & Fitzpatrick, Inc., USA, 420 pages, 2010.

**PUBLICATIONS: REFEREED JOURNAL PUBLICATIONS:**

3. Arabnia H. R. and Oliver M. A., "Fast Operations on Raster Images with SIMD Machine Architectures", *International Journal of Eurographics Association* (Computer Graphics Forum), Vol. 5 No. 3, pp. 179-189 (1986).
4. Arabnia H. R. and Oliver M. A., "Arbitrary Rotation of Raster Images with SIMD Machine Architectures", *International Journal of Eurographics Association* (Computer Graphics Forum), Vol. 6 No. 1, pp. 3-12 (1987).
5. Arabnia H. R. and Oliver M. A., "A Transputer Network for the Arbitrary Rotation of Digitised Images", *The Computer Journal*, Vol. 30 No. 5, pp. 425-433 (1987).
6. Arabnia H. R. and Oliver M. A., "A Transputer Network for Fast Operations on Digitised Images", *International Journal of Eurographics Association* (Computer Graphics Forum), Vol. 8 No. 1, pp. 3-12 (1989).
7. Arabnia H. R., "A Parallel Algorithm for the Arbitrary Rotation of Digitized Images using Process-and-Data-Decomposition Approach", *Journal of Parallel and Distributed Computing*, Vol. 10, No. 2, pp. 188-193 (1990).
8. Bhandarkar S. M. and Arabnia H. R., "The Hough Transform on a Reconfigurable Multi-Ring Network", *Journal of Parallel and Distributed Computing*, Vol. 24, No. 1, January, pp. 107-114 (1995).
9. Bhandarkar S. M., Arabnia H. R., and Smith J. W., "A Reconfigurable Architecture For Image Processing And Computer Vision", *International Journal of Pattern Recognition And Artificial Intelligence* (IJPRAI) (special issue on VLSI Algorithms and Architectures for Computer Vision, Image Processing, Pattern Recognition And AI), Vol. 9, no. 2, pp. 201-229 (1995).
10. Bhandarkar S. M. and Arabnia H. R., "The REFINE Multiprocessor Theoretical Properties and Algorithms", *Parallel Computing*, Vol. 21, No. 11, pp. 1783-1806 (1995).
11. Arabnia H. R., "Distributed Stereocorrelation Algorithm", *International Journal of Computer Communications* (Elsevier Science), pp. 707-712 (1996).
12. Arabnia H. R. and Bhandarkar S. M., "Parallel Stereocorrelation on a Reconfigurable Multi-Ring Network", *The Journal of Supercomputing* (Kluwer Academic Publishers), Special Issue on Parallel and Distributed Processing (Guest Editor: H. R. Arabnia), Vol. 10, No. 3, pp. 243-270 (1996).
13. Bhandarkar S. M. and Arabnia H. R., "Parallel Computer Vision on a Reconfigurable Multiprocessor Network", *IEEE Transactions on Parallel and Distributed Systems*, Vol. 8, No. 3, pp. 292-310 (March 1997).
14. Arabnia H. R., "The Transputer Family of Products and their Applications in Building a High-Performance Computer", *Encyclopedia of Computer Science and Technology*, Editors: Allen Kent and James G. Williams, Vol. 39, Sup. 24, 1998, pp. 283-301.
15. Arabnia H. R. and Thiab R. Taha, "A Parallel Numerical Algorithm on a Reconfigurable Multi-Ring Network", *Journal of Telecommunication Systems*, Special issue on Interconnections Networks, Vol. 10, 1998, pp. 185-203.
16. M. A. Shahin, E. W. Tollner, M. D. Evans, and H. R. Arabnia, "Watercore Features for Sorting Red Delicious Apples: A Statistical Approach", *Transactions of the ASAE*, Vol 42 (6), 1999, pp. 1889-1896.
17. K. Wang, C-P. Lo, G.A. Brook, and H.R. Arabnia, "Comparison of Existing Triangulation Methods for Regularly and Irregularly Spaced Height Fields", *International Journal of Geographic Information Science*, Vol 15, No. 8, pp. 743-762, 2001.
18. M. A. Shahin, E. W. Tollner, R. W. McClendon and H. R. Arabnia, "Apple Classification Based on Surface Bruises Using Image Processing and Neural Networks", *Transactions of the American Society of Agricultural Engineering* (ASAE); Vol. 45, No. 5, pp. 1619-1627, 2002.
19. M. Arif Wani and H. R. Arabnia, "Parallel Edge-Region-Based Segmentation Algorithm Targeted at Reconfigurable Multi-Ring Network", *The Journal of Supercomputing*, Vol. 25, No. 1, pp. 43-63, 2003.
20. H. Valafar, H. R. Arabnia, and G. Williams, "Distributed Global Optimization and Its Development on the MultiRing Network", *International Journal of Neural, Parallel & Scientific Computations* (Dynamic Publishers), Vol 12, No. 4, December 2004, pp. 465-490.

21. Buhari and H. R. Arabnia, "Running Multicast Applications Using Reconfigurable Parallel System", *International Journal of Computing and Information Sciences (IJCIS-ISSN 1708-0460)*, Vol. 2, No. 2, pp. 108 – 113, August 2004.
22. He Xiangjian and Hamid R. Arabnia, "Design of a Uni-Directional Switch", *International Journal of Computer Science and Network Security (IJCSNS)*, Vol. 6, No. 6, pp. 130 – 138, June 2006.
23. George A. Gravvanis, John P. Morrison, and Hamid R. Arabnia, "Special Section: Grid Technology and Applications", Editorial, *Future Generation Computer Systems, The International Journal of Grid Computing: Theory, Methods and Applications*, vol. 23(4), pp. 523-524, ISSN: 0167-739X (Elsevier), 2007.
24. Himanshu Thapliyal, Hamid R. Arabnia, and M. B. Srinivas, "Efficient Reversible Logic Design of BCD Subtractors", *Transactions in Computational Science (Springer)*, 5300 LNCS, in press, 24 pages, 2009.
25. Jack Y. Yang, Mary Qu Yang, Hamid R. Arabnia, Youping Deng, "Review: Genomics, Molecular Imaging, Bioinformatics, and Bio-Nano-Info Integration are Synergistic Components of Translational Medicine and Personalized Healthcare Research", *Journal of BMC Genomics (BioMed Central)*, Vol. 9:11 (Suppl. 2), September 16, 2008 issue, (Suppl 2):11, 22 pages, Impact Factor: 4.18, Sep. 2008. <http://www.biomedcentral.com/1471-2164/9?issue=S2> , <http://www.biomedcentral.com/1471-2164/9/S2/11>.
26. Arabnia Hamid R., Junfeng Qu, Yinglei Song, Khaled Rasheed, and Byron Jeff, "Clustering Time Series Online in a Transformed Space", *Ubiquitous Computing and Communication Journal (UBICC; <http://www.ubicc.org/>)*, 7 pages, January 15, 2008.
27. Yang Jack Y., Mary Q. Yang, Mengxia (Michelle) Zhu, Hamid R. Arabnia, and Youping Deng, "Promoting Synergistic Research and Education in Genomics and Bioinformatics", *BMC Genomics (Journal Impact Factor 4.18)*, 7 pages, Vol 9, Suppl. 1 (<http://www.biomedcentral.com/1471-2164/9/S1/11>), <http://www.ncbi.nlm.nih.gov/pubmed/18366597> ; BioMed, March 20, 2008.
28. Rabia Jafri and Hamid R. Arabnia, "A Survey of Face Recognition Techniques", *Journal of Information Processing Systems (ISSN 1976-913X, KIPS/Korea Information Processing Society)*, Vol. 5, No. 2, pp. 41-68, DOI: 10.3745/JIPS.2009.5.2.041, June 2009. (Invited Paper and also Refereed.)
29. Himanshu Thapliyal, Hamid R. Arabnia, and M. B. Srinivas, "Efficient Reversible Logic Design of BCD Subtractors", *Transactions on Computational Science Journal*, Springer-Verlag, Vol. III, LNCS 5300, ISSN 1866-4733 (Transactions); ISSN 0302-9743 (LNCS), pp.99-121, 2009.
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## **PRESENTATIONS:**

## **INVITED ADDRESSES**

1. "A Computer Input Device for Severely Disabled People" The second conference of the North American Transputer Users Group (NATUG 2), Duke University, Durham, NC, Oct. 18, 1989.
2. "Real-Time Preprocessing Of Multiple Images Using An Unconventional Pipeline Approach", Fourth conference of the North American Transputer Users Group (NATUG 4), Ithaca, New York, Oct. 11, 1990.
3. "A Remote Media Vision-based Computer Input Device", Visual Communications and Image Processing 91 (sixth in a series), The International Society for Optical Engineering; Boston, MA November 12, 1991. Since I could not attend the conference a graduate student of mine, Mr. C. Chen, was asked to present the paper.
4. "A Cursor-Positioning Vision-based Computer Input Device - Demonstration", Inforum, Atlanta, GA, December 6, 1991.
5. "A Cursor-Positioning Vision-based Computer Input Device", Inforum, Atlanta, GA, December 7, 1991.
6. "Two Parallel Sort Algorithms: Pipelined-Sort and MultiRing-Sort", North American Transputer Users Group (NATUG 5) conference, Baltimore, MD, April 1992. Dr. Andrew Henshaw of Georgia Institute of Technology presented the talk on my behalf.
7. "Use of Computer Simulation in Aquatic Food Science and Technology", 17th Annual Tropical and Subtropical Fisheries Technological Conference of the Americas, Yucatan, Mexico, November, 1992. Dr. Huang presented the paper on behalf of Dr. Arabnia.
8. "A Reconfigurable Interconnection Network For Imaging Operations And Its Implementation Using A Multi-Stage Switching Box", 7th Annual International High Performance Computing Conference. The 1993 High Performance Computing: New Horizons Supercomputing Symposium. Calgary, Alberta, Canada, June, (1993).

9. "Parallel 3-D Object Recognition", International Conference on Signal Processing (ICSP'93), Beijing, China, Vol. II, Oct. 26-30 (1993).
10. "SIMD Algorithms on a Novel Image Data Structure", 1993 IEEE Conference on Computer, Communication, Control and Power Engineering (region 10 TENCON'93), Beijing, China, Vol. 1 (Computer), Oct. 19-21 (1993).
11. "Exploiting a Ring-Based MIMD Multicomputer for Numerical Problems", 1993 IEEE Conference on Computer, Communication, Control and Power Engineering (region 10 TENCON'93), Beijing, China, Vol. 1 (Computer), Oct. 19-21 (1993).
12. "A Scanline Algorithm Targeted at SIMD Machine Architectures", 1993 IEEE Conference on Computer, Communication, Control and Power Engineering (region 10 TENCON'93), Beijing, China, Vol. 1 (Computer), Oct. 19-21 (1993).
13. "A Transputer-based Reconfigurable Parallel System", Transputer Research And Applications (NATUG 6), Vancouver, Canada, May 10-11 (1993).
14. "Fast Fourier Transform on The Reconfigurable MultiRing Network", 14th IMACS World Congress on Computational and Applied Mathematics, July 11-15, 1994, Georgia Institute of Technology, Atlanta, Georgia.
15. "Broadcasting Mechanisms on The Reconfigurable MultiRing Network", 14th IMACS World Congress on Computational and Applied Mathematics, July 11-15, 1994, Georgia Institute of Technology, Atlanta, Georgia.
16. "Parallel Stereocorrelation", 1994 Transputer Research and Applications Conference (NATUG 7), Athens, Georgia, October 24, 1994.
17. "An Undergraduate Course in Parallel Processing", Conference of the Conversation on Computing in the Disciplines, sponsored by the State University of New York (SUNY) FACT Committee, March 4, 1995.
18. "A Distributed Stereocorrelation Algorithm", Fourth International Conference on Computer Communications and Networks, IEEE, Las Vegas, Nevada, September 22, 1995.
19. "A Reconfigurable Ring-Based Network of Processors", International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'95), Athens, Georgia, November 3-4, 1995.
20. "Parallel Stereocorrelation with Applications in Medical Imaging", International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'95), Athens, Georgia, November 3-4, 1995.
21. "A Reconfigurable Parallel Imaging System", International Conference on Signal and Image Processing (SIP-95, IASTED and IEEE), Las Vegas, Nevada, November 21, 1995.
22. "The Stereo Correspondence Problem on a Heterogeneous Multiprocessor Network", International Conference on Signal and Image Processing (SIP-95, IASTED and IEEE), Las Vegas, Nevada, November 21, 1995.
23. "PDPTA'95 Conference Opening Remarks - Progress Report", 1995 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'95), Athens, Georgia, November 3, 1995.
24. "High-performance Computing and Imaging", 1997 Aizu International Symposium on Parallel Algorithms/Architectures Synthesis (PAs'97), IEEE/ACM, Aizu-Wakamatsu, Japan, Invited key-note lecturer, March 20, 1997.
25. "PDPTA'96 Conference Opening Remarks - Progress Report", 1996 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'96), Sunnyvale, California, August 9, 1996.
26. "High-Performance Computing and Applications in Imaging Science", 1997 International Symposium on High Performance Computing (ISHPC'97), Fukuoka, Japan. Invited Speaker, Nov. 5, 1997.
27. "CISST'97 Conference Opening Remarks - Progress Report", 1997 International Conference on Imaging Science, Systems, and Technology (CISST'97), Las Vegas, Nevada, June 30, 1997.
28. "PDPTA'97 Conference Opening Remarks - Progress Report", 1997 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'97), Las Vegas, Nevada, June 30, 1997.
29. "Distributed or Parallel Computing?", Panelist, 1997 International Symposium on High Performance Computing (ISHPC'97), Fukuoka, Japan, November 6, 1997.
30. Invited key-note lecturer, 1997 Aizu International Symposium on Parallel Algorithms/Architectures Synthesis (PAs'97), IEEE/ACM, Aizu-Wakamatsu, Japan, March 20, 1997. Lecture title: High-performance Computing and Imaging.
31. "CISST'98 Conference Opening Remarks - Progress Report", 1998 International Conference on Imaging Science, Systems & Technology (CISST'98), Las Vegas, Nevada, July 13, 1998.
32. "PDPTA'98 Conference Opening Remarks - Progress Report", 1998 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'98), Las Vegas, Nevada, July 13, 1998.
33. "FUSION'98 Conference Opening Remarks - Progress Report", 1998 International Conference on Multisource-Multisensor Data Fusion (FUSION'98), Las Vegas, Nevada, July 13, 1998.
34. "Distributed Computing and Digital Mammography", The 1999 International Symposium on High Performance Computing (ISHPC'99), Kyoto, Japan, Invited Lecture, May 28, 1999.
35. "High Performance Computing and Its Impact on Education", The 1999 Frontiers in Education Conference, Puerto Rico, San Juan, November 10, 1999.

36. "PDPTA'99 Conference Opening Remarks - Progress Report", 1999 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'99), Las Vegas, Nevada, June 28, 1999.
37. "CISST'99 Conference Opening Remarks - Progress Report", 1999 International Conference on Imaging Science, Systems, and Technology (CISST'99), Las Vegas, Nevada, June 28, 1999.
38. "IC-AI'99 Conference Opening Remarks - Progress Report", 1999 International Conference on Artificial Intelligence (IC-AI'99), Las Vegas, Nevada, June 28, 1999.
39. Information Technology in Developing Countries, Shaheed Beheshti University, Tehran, Iran, August 2, 2000.
40. High-Performance Computing and Applications, Sharif University, Tehran, Iran, August 3, 2000.
41. PDPTA, CISST, IC-AI: Progress Report, Las Vegas, Nevada, USA, June 26, 2000.
42. Computer Science Education in Iran - Challenges. Beheshti University, Tehran, Iran, August 8, 2001.
43. Stereocorrelation and Applications in Face Recognition. 2001 International Conference on Imaging Science, Systems, and Technology (CISST'01), Las Vegas, Nevada, June 26, 2001,
44. A Parallel Face Recognition Algorithm. The 2001 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'01), Las Vegas, Nevada, June 26, 2001.
45. PDPTA, CISST, IC-AI, IC, CIC: Progress Reports, Las Vegas, Nevada, USA, June 2001.
46. "Digital Mammography and Face Recognition"; Georgia College and State University, Georgia, USA; March 14, 2002.
47. "Committee Reports (Information Technology Task Forces)"; Conference Opening; The 2002 International Multiconference in Computer Science; June 24, 2002, Las Vegas, USA
48. "MultiRing and Imaging Science"; The 2002 International Conference on Imaging Science, Systems, and Technology (CISST'02), Las Vegas, Nevada, USA, June 25, 2002.
49. "Interconnection Networks and High-Performance Computing"; The 2002 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'02); Las Vegas, Nevada, USA, June 26, 2002.
50. "Committee Reports (Information Technology Task Forces)"; Conference Opening; The 2003 International Multiconference in Computer Science and Computer Engineering; June 23, 2003, Las Vegas, Nevada.
51. "Committee Reports (Information Technology Task Forces)", conference opening, The 2004 International Multiconference in Computer Science and Computer Engineering, June 21, 2004, Las Vegas, Nevada.
52. "Committee Reports (Steering Committee)", Conference Opening, The 2005 World Congress in Applied Computing, June 20, 2005, Las Vegas, NV, USA
53. "Committee Reports (Information Technology Task Forces)"; Conference Opening; The 2005 International Conference in Computer Science & Computer Engineering; Las Vegas, Nevada, USA, June 27, 2005,
54. "MRSIM: A Simulator for the MultiRing", The 2005 International Conference on Parallel and Distributed Processing Techniques and Applications, PDPTA'05, Las Vegas, NV, June 27, 2005.
55. "Biological Computing", the 2006 International Conf. on Scientific Computing (CSC'06), Las Vegas, USA (Academic Sponsors: Massachusetts Institute of Technology / MIT Media Lab., Cambridge, Massachusetts and Texas Advanced Computing Center, University of Texas at Austin, Texas), June 26, 2006.
56. "Parallel Algorithms for Computational Viral Extension - Direct and Inverse Problems", the 2006 International Conf. on Bioinformatics and Computational Biology (BIOCOMP'06), Las Vegas, USA (Academic Sponsors: Massachusetts Institute of Technology / MIT Media Lab., Cambridge, Massachusetts and Texas Advanced Computing Center, University of Texas at Austin, Texas), June 27, 2006.
57. "Reversible Programmable Logic Array (RPLA) Using Fredkin and Feynman Gates for Industrial Electronics and Applications", the 2006 International Conf. on Computer Design & Conf. on Computing in Nanotechnology (CDES'06), Las Vegas, USA (Academic Sponsors: Massachusetts Institute of Technology / MIT Media Lab., Cambridge, Massachusetts and Texas Advanced Computing Center, University of Texas at Austin, Texas), June 27, 2006.
58. "Modified Carry Look Ahead BCD Adder With CMOS and Reversible Logic Implementation", the 2006 International Conf. on Computer Design & Conf. on Computing in Nanotechnology (CDES'06), Las Vegas, USA (Academic Sponsors: Massachusetts Institute of Technology / MIT Media Lab., Cambridge, Massachusetts and Texas Advanced Computing Center, University of Texas at Austin, Texas), June 28, 2006.
59. "Parallel Polygon Approximation Targeted at Reconfigurable Multi-Ring Hardware", the 2006 International Conf. on Computer Graphics and Virtual Reality (CGVR'06), Las Vegas, USA (Academic Sponsors: Massachusetts Institute of Technology / MIT Media Lab., Cambridge, Massachusetts and Texas Advanced Computing Center, University of Texas at Austin, Texas), June 29, 2006.
60. Future Generation of High-Performance Computing, IEEE 7th International Conference on Bioinformatics and Bioengineering, (BIBE'07), October 14, Harvard University (medical school), (30-minute presentation), 2007.
61. Invited Talk: "High-Performance Computing and Imaging Science", Soongsil University, Department of Computer Science, Seoul, South Korea, December 19, 2007.

62. Hamid R. Arabnia, "Flow Decomposition in Complex Systems" (paper co-authored by: David Luper, Caner Kazanci, John Schramski, and Hamid R. Arabnia), "The Eighth International Conference on Information Technology: New Generations" (ITNG 2011, April 11-13, 2011, Las Vegas, USA), IEEE Computer Society (ISBN 978-0-7695-4367-3), Acceptance Rate: 28%; April 11, 2011.
63. Hamid R. Arabnia, "Bio-Inspired Supercomputing"; Azad University, Iran, August 7, 2012.
64. Hamid R. Arabnia, "High-Performance Computing and Imaging Science"; Azad University, Iran, August 8, 2012.
65. Hamid R. Arabnia, Guest Speaker; "Challenges Faced by Iranian-American Scientists - Possible Road-map"; Meeting of Professional Organization Of Iranian-Americans (POOIA), Atlanta, Georgia, USA, February 20, 2012.
66. Hamid R. Arabnia, "Brain Imaging for Diagnosis of Schizophrenia: Challenges, Successes and a Research Road Map"; 2012 Ninth International Conference on Information Technology - New Generations (ITNG'12: April 16-18, 2012, Las Vegas, USA); IEEE Computer Society, Paper Acceptance Rate: 27%, April 16, 2012.
67. Hamid R. Arabnia, "Mission: Professional Organization of Iranian-Americans"; Initiation Ceremony, Heritage Sandy Springs, Atlanta, Georgia, USA; December 4, 2012.

**PRESENTATIONS: INVITED KEYNOTE ADDRESSES, PLENARY SPEECHES, KEYNOTE LECTURES, DISTINGUISHED TALKS AND INVITED PANELS:**

68. KEYNOTE LECTURE, Supercomputing and Applications in Medical Imaging, IEEE 7th International Conference on Bioinformatics and Bioengineering, (BIBE'07), October 15, Harvard University (medical school), (60-minute presentation), 2007.
86. Plenary Keynote Lecture: "Supercomputing and Medical imaging", The 2007 Open Grid Forum (OGF-KR: Cyber Infrastructure and Grid) Workshop, Seoul, South Korea, December 20, 2007.
87. Invited Lecture: "Parallel/distributed processing and Applications in Digital Mammography", Korea Institute of Science and Technology Information (KiSTi), Supercomputing Center, Daejeon, South Korea, December 21, 2007.
88. Invited Lecture: Interconnection Networks and Applications in Medical Imaging, Amir Kabir University of Science and Technology, Tehran, Iran, August 6, 2008.
89. Invited Lecture, Research Oriented Graduate Programs in CS and CE, Amir Kabir University of Science and Technology, Tehran, Iran, August 6, 2008.
90. GUEST OF HONOR & KEYNOTE LECTURE: "Towards Global Quality Higher Education: Challenges and Realities", Workshop of American Standards of Ranking and Accreditation of Higher Education Institutions – Towards Globalization, Prince Sultan University, Riyadh, Saudi Arabia, January 22, 2008.
91. GUEST OF HONOR & KEYNOTE LECTURE: "University Ranking: a Tool or an Outcome", Workshop of American Standards of Ranking and Accreditation of Higher Education Institutions - Towards Globalization, Prince Sultan University, Riyadh, Saudi Arabia, January 22, 2008.
92. CONFERENCE KEYNOTE: A Scalable and Reconfigurable Network Topology for Medical Imaging (60 minutes), The 14th IEEE International Conference on Parallel and Distributed Systems (ICPADS'08); sponsored by IEEE Computer Society. <http://www.deakin.edu.au/conferences/icpads2008/speakers.php> December 8, 2008, Melbourne, Australia.
93. CONFERENCE KEYNOTE: A Reconfigurable Network Topology for Medical Imaging (60 minutes), International Conference on Future Generation Communication and Networking (FGCN 2008 - Publisher: IEEE Computer Society). <http://www.sersc.org/FGCN2008/speakers.php> December 13, 2008, Hainan Island, Sanya, P. R. China.
94. CONFERENCE KEYNOTE: A Scalable Network Topology for Medical Imaging (60 minutes), The 10th IEEE International Conference on High Performance Computing and Communications (HPCC-08), Dalian, P. R. China (Sponsors: IEEE Computer Society, IEEE TCSC, NSF China) September 25, 2008.
95. INVITED LECTURE: High-Performance Computing and Imaging Science, Soongsil University, Department of Computer Science, Seoul, South Korea, December 19, 2007.
96. INVITED LECTURE: Parallel/Distributed Processing and Applications in Digital Mammography, Korea Institute of Science and Technology Information (KiSTi), Supercomputing Center, Daejeon, South Korea, December 21, 2007.
97. PANELIST: Global Quality Issues of Undergraduate Programs, Workshop of American Standards of Ranking and Accreditation of Higher Education Institutions - Towards Globalization, Prince Sultan University, Riyadh, Saudi Arabia, January 22, 2008.
98. PANELIST: "Grid and Cloud - The Future", September 25, 2008, The 10th IEEE International Conference on High Performance Computing and Communications (HPCC-08), Dalian, P. R. China (Sponsors: IEEE Computer Society, IEEE TCSC, NSF China)



99. Distinguished Lecture: New Horizons, Parallel and Distributed Processing, Department of Computer Science, Universidad Carlos III de Madrid, Spain, (hosted by Prof. Jesus Carretero and Prof. Jose Daniel Garcia), March 2, 2009.
100. Distinguished Lecture: HPC in Image Processing and Applications in Medicine, Department of Computer Science, Universidad Carlos III de Madrid, Spain, (hosted by Prof. Jesus Carretero and Prof. Jose Daniel Garcia), March 3, 2009.
101. Distinguished Lecture, "Impact of Research on Education", NSF Supported S-STEM Seminar, Department of Computer Science, Appalachian State University, North Carolina, April 9, 2010.
102. Distinguished Lecture, "A Scalable and Reconfigurable Network Topology for Problems in Imaging Science", Department of Electrical and Computer Engineering, North Dakota State University, Fargo, North Dakota, USA, March 4, 2010.
103. Distinguished Talk, "Scalable High Performance Computing and Imaging Science", Office of Academic Affairs, Appalachian State University, Boone, North Carolina, USA, April 9, 2010.
104. Invited Lecture, "High Performance Computing and Communication Subsystems", Congress of Iranians Abroad, University of Tehran, Iran, August 2, 2010.
105. Invited Lecture, "High Performance Computing and Applications in Medical Imaging", Center of Research Science at Azad University (Medical School), Tehran (Poonak), Iran, August 5 (morning), 2010.
106. Invited Lecture, "Graduate Education and Programs", Center of Research Science at Azad University (Medical School), Tehran (Poonak), Iran, August 5 (afternoon), 2010.
107. Distinguished NSF S-STEM Lecture/Seminar, "Scalable Computing and Imaging Science", Sponsored by the NSF-SSTEM Program and College of Arts and Sciences, Texas State University System (Campus: Lamar University, Beaumont, Texas, USA), Oct. 29, 2010.
108. Hamid R. Arabnia, INVITED LECTURE "A Bio-Inspired Reconfigurable Communication Topology"; The 4th Annual Modelling of Complex Social Systems Symposium, MoCSSy (<http://mocssy.irmacs.sfu.ca/4th-Annual-Modelling-of-Complex-Social-Systems-Symposium>) - Interdisciplinary Research in the Mathematical and Computational Sciences (IRMACS) Centre, Simon Fraser University, Vancouver, Canada, September 23, 2011. <http://vimeo.com/album/1706447>
109. Hamid R. Arabnia, KEYNOTE "A Bio-Inspired Reconfigurable Communication Topology & Applications", The 12th International Conference on Parallel and Distributed Computing, Applications and Technologies + The 3rd International Conference on IT Convergence and Services + The 2011 FTRA International Conference on Intelligent Robots, Automation, Telecommunication Facilities, and Applications (PDCAT-11 + ITCS-11, IRoA-11, Oct. 20-22, 2011; Co-Sponsors: FTRA, Korea IT Convergence Society - Publisher: IEEE Computer Society Conference Publishing Services and Springer; <http://www.ftrai.org/pdcat2011/invited.html>), Gwangju, Korea (South), Kimdaejung Convention Center, October 20, 2011.
110. Invited Panelists: Dr. David Okech, Dr. Hamid R. Arabnia, Dr. Uttiyo Raychaudhuri; "Global Leadership Institute Seminar" - Growing Up in a Different Political Construct; Sponsored by University of Georgia, Miller Learning Center, USA, November 1, 2011.
111. Hamid R. Arabnia, KEYNOTE "A Bio-Inspired Reconfigurable Communication Topology", Future Generation Information Technology 2011 and The 5th International Conference on Future Generation Communication and Networking (FGIT'11 and FGCN'11: Jeju Island, South Korea, <http://www.sersc.org/FGIT2011/> and <http://www.sersc.org/FGCN2011/> - publisher: Springer; sponsors: SERSC, Springer, ...); December 9, 2011.
112. Hamid R. Arabnia, "A Reconfigurable Communication Topology", PDCS 2011 KEYNOTE Address; The 23rd International Conference on Parallel and Distributed Computing and Systems (PDCS 2011: Dallas, Texas, USA: Chair: Prof. Teofilo Gonzalez, University of California, Santa Barbara), December 14, 2011.
113. Hamid R. Arabnia, Conference Keynote, "A Bio-Inspired Reconfigurable Communication Topology - Progress Report"; The 2012 International Conference on Advanced Communication and Networking (ACN 2012: <http://www.sersc.org/ACN2012/>, Sponsor: SERSC), August 31, 2012, Jeju Island, Republic of Korea, 2012.
114. Hamid R. Arabnia, INVITED LECTURE, "A Bio-Inspired Communication System With Applications in Knowledge Engineering and Big Data"; The 8th International Symposium on Intelligent and Manufacturing Systems - autonomous service and manufacturing systems". (IMS 2012: Antalya, Adrasan, Turkey, September 27-28, 2012; <http://www.ims.sakarya.edu.tr/>). Organized and sponsored by Sakarya University, Turkey, (Co-chairs: L. A. Zadeh, I. B. Turksen, Z. Sen). September 28, 2012.
115. Hamid R. Arabnia, KEYNOTE ADDRESS; "A Bio-Inspired Reconfigurable Communication Topology - Progress Report"; The 2012 International Conference on Advanced Communication and Networking (ACN 2012: <http://www.sersc.org/ACN2012/>, Sponsor: SERSC), August 31, 2012, Jeju Island, Republic of Korea, 2012.
116. Hamid R. Arabnia; INVITED LECTURE; "A Bio-Inspired Communication System With Applications in Knowledge Engineering and Big Data"; The 8th International Symposium on Intelligent and Manufacturing Systems - autonomous service and manufacturing systems; (IMS 2012: Antalya, Adrasan, Turkey, September 27-28, 2012;

- <http://www.ims.sakarya.edu.tr/>). Organized and sponsored by Sakarya University, Turkey, (Co-chairs: L. A. Zadeh, I. B. Turksen, Z. Sen). September 28, 2012.
117. Hamid R. Arabnia, INVITED LECTURE; “Bio-inspired Supercomputing and Grand Challenges”; ScienceTALK, College of Science and Mathematics, Kennesaw State University, Clendenin Building, Georgia, USA (sponsored by Department of Computer Science), October 18, 2012.
  118. Hamid R. Arabnia, Abell Endowment Distinguished Lecture in Computer Engineering in conjunction with ECE and CS Departments; “Bio-inspired Supercomputing”; February 4, 2013. Colorado State University, Fort Collins, Colorado, USA, 2013.
  119. Hamid R. Arabnia, KEYNOTE “A Bio-Inspired Communication Topology – Progress Report”, The 5th FTRA International Conference on Computer Science and its Applications (CSA-13: <http://www.ftrai.org/csa2013> ), Dec. 18 - 20, 2013, Vietnam, 2013.
  120. Distinguished Lecture, “Bio-Inspired Machine Architecture and Big Data”, Albany State University, Georgia, USA (Sponsored by DoD and MARC-U\*STAR Program), April 26, 2013.
  121. Panel and Workshop Speaker, “Special Topics in Computer Science”, Albany State University, Georgia, USA (Sponsored by DoD and MARC-U\*STAR Program), April 26, 2013.
  122. Distinguished Lecture, “Big Data and the Web”, The R&D Society of Iranian Industries and Mines, Tehran, Iran, August 3, 2013.
  123. Hamid R. Arabnia, KEYNOTE LECTURE "Bio-Inspired Supercomputing and Big Data", The ACM International Conference on Ubiquitous Information Management and Communication (ACM IMCOM, ICUIMC: Siem Reap, Cambodia, January 9-11, 2014), sponsored by ACM SIGAPP, January 10, 2014.
  124. Security Challenges and Prevention of Cyber-stalking, Cyber-harassment, and Cyber-bullying; INVITED Panelist & Speaker (Hamid R. Arabnia); Panel Chair: Prof. George Markowsky (University of Main), Las Vegas, July 29, 2015.
  125. General Technology - A Whirlwind Tour Through the Most Exciting Digital Technologies of Today and Tomorrow”; INVITED Panelist & Speaker; Panel participants: Hamid R. Arabnia, Shahryar Heydari, Mo Nikain; Moderator: Dr. Abdi Modarressi (AT&T Research); Sponsor and Organizer: Professional Organization of Iranian Americans (POOIA); 7:00pm - 9:30pm, Heritage Sandy Springs, Atlanta, Georgia, USA, April 23, 2015.
  126. Hamid R. Arabnia, Distinguished Guest Speaker Lecture for the NSF supported S-STEM scholars; “A Bio-Inspired and Scalable Computing: Communication Systems and More in the era of Big Data”; Appalachian State University, North Carolina, March 3, 2017

#### **PRESENTATIONS:      OTHERS/MISC.**

127. “A Transputer Network for the Arbitrary Rotation of Digitised Images”, University of Kent, Computing Laboratory, England, January 15, 1987.
128. “Rotation of Raster Images with SIMD Machine Architectures”, presented at: San Diego State University, Department of Mathematical Sciences, March 27, 1987; Georgia Institute of Technology, School of Information and Computer Science, April 1, 1987; University of Georgia, Department of Computer Science, April 2, 1987.
129. “Parallel Algorithms for Operations on Digitised Images”, University of Kent, Computing Laboratory, England, Aug. 3, 1987.
130. “A Parallel (MIMD) Algorithm for the Arbitrary Rotation of Digitized Images”, University of Georgia, Department of Computer Science, May 4, 1989.
131. “A Vision-based Computer Input Device”, University of Georgia, Department of Computer Science, Oct. 17, 1989.
132. “A Simple Parallel Strategy In Preprocessing Multiple Digitized Images Using A Particular Processor Network Topology”, University of Georgia, Department of Computer Science, Oct. 9, 1990.
133. “The Importance of Mathematics and Reading in the field of Computer Science”, The PHOENIX Program; University of Georgia, (Organized by the Northeast Georgia Educational Opportunity Center) July 9, 1991. (The audience consisted of high school students (ages 14 to 16 years) who were economically disadvantaged.)
134. “A Novel Parallel Computer For Imaging Operations”, The University of Bath, Mathematical Sciences Department, England, March 18, 1992.
135. “A Reconfigurable Parallel Multicomputer”, University of Kent, Computing Laboratory, Canterbury, England, March 19, 1992.
136. “A Reconfigurable Parallel Machine Architecture For Imaging Operations”, The University of Beheshtee, School of Electrical and Computer Engineering, Shemiran, April 15, 1992.
137. “Introduction to Parallel Processing”, University of Georgia, Guest Lecturer (CS101), invited by Professor E. Rodney Canfield, May 22, 1992.

138. "A Ring-Based MIMD MultiComputer", Chinese Academy of Sciences (Institute of Automation), Beijing, China, Invited Lecture, Oct. 22, 1993.
139. "Stereocorrelation on a Reconfigurable Machine Architecture", University of Beheshtee, School of Electrical and Computer Engineering, Shemiran, Tehran, Invited Lecture, August, 1994.
140. "Parallel Machine Architectures and Image Processing", University of Beheshtee, School of Electrical and Computer Engineering, Shemiran, Tehran, Invited Lecture, September, 1994.
141. "Stereo Imaging with Medical Applications", Georgia College & State University, Milledgeville, Georgia, Invited Lecture, February 29, 1996.
142. "High-Performance Computing And Imaging", National Supercomputing Center for Energy and the Environment, Las Vegas, Nevada, Invited, September 16, 1996.
143. "Digital Mammography", Nara Institute of Science and Technology (NAIST), Nara, Japan, March 17, Invited Lecture, 1997.
144. "High-Performance Computing and Applications in Image Processing and Computer Vision", Beheshti University, Tehran, Iran, August 1998.
145. "Parallel Reconfigurable Machine Architectures", Beheshti University, Tehran, Iran, August 1998.
146. "Parallel Computing and Applications", Sharif University, Tehran, Iran, August 1998.
147. H. R. Arabnia, "Committee Report (Steering Committee)", Conference Opening; The 2006 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'06), June 26, Las Vegas, USA, 2006.
148. H. R. Arabnia "Committee Report (Budget Committee and Funding Infrastructure - twelve WORLDCOMP'06 Task Forces)"; June 29, Las Vegas, USA, 2006.
149. "Panel Discussion - Science and Education", A Panel Member speaker, University of Tehran, Iran, July 26, 2006.
150. "Panel Presentation - Graduate Coordinators and Best Practices", New Graduate Coordinators Workshop, University of Georgia, Graduate School, September 12, 2006.
151. H. R. Arabnia, "Committee Report (Steering Committee)"; Conference Opening; The 2007 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'07), June 25, Las Vegas, USA, 2007.
152. H. R. Arabnia "Committee Report (Budget Committee and Funding Infrastructure - fifteen WORLDCOMP'07 Task Forces)"; June 28, Las Vegas, USA, 2007.
153. Panel Discussion: "Computer Science and Information Technology - What to expect in the current decade", Hamid R. Arabnia, Kharazmi Lecture Room, Invited & organized by Dr. Iman Rezazadeh, Research Center of School of Informatics and Engineering, Islamic Azad University, Poonak, Tehran, Iran, 09:00am - 11:00am; July 31, 2011.
154. August 8, 2011: (10:00am - 1:00pm) INVITED LECTURE: A Bio-Inspired Reconfigurable Communication Topology. School of Electrical and Computer Engineering (ECE), Old Building, Council Room (Room 219), organized by Prof. Faraji Dana, University of Tehran, Tehran, Iran, 10:00am - 12:00pm, August 8, 2011.
155. Panel Discussion - prepared for prospective graduate students; "Computer Science Graduate Programs at UGA", for Department of Information Systems & Computer Science, Georgia College & State University, Milledgeville, Georgia, USA; by Hamid R. Arabnia, September 19, 2011.
156. Rafal A. Angryk (Montana State University) and Hamid R. Arabnia (University of Georgia); Report of the External Review Team for the Computer Science Programs – Program Review, January 17, 2012 (10 pages).
157. Hamid R. Arabnia (University of Georgia), George Stockman (Michigan State University), G. Q. Zhang (Case Western Reserve University), Review/Evaluation Report – PhD Program Review, April 2012 (9 pages).
158. Hamid R. Arabnia, "Computer Science and Information Technology", Professional Organization of Iranian-Americans, Atlanta, Georgia, February 13, 2013.
159. Invited UGA ACM Talk: Hamid R. Arabnia - "Bio-Inspired Supercomputing and Big Data"; UGA Chapter of the Association of Computing Machinery, ACM; March 24, 2016.
160. Hamid R. Arabnia; "Preface" for Book entitled "Emerging Trends in Applications and Infrastructures for Computational Biology, Bioinformatics, and Systems Biology", Elsevier/MK publishers, ISBN: 978-0-12-804203-8, Catalogued in British Library and Library of Congress, 4 pages, 2016.
161. Quoc Nam Tran and Hamid R. Arabnia, "Introduction & Acknowledgement" to Book entitled "Emerging Trends in Applications and Infrastructures for Computational Biology, Bioinformatics, and Systems Biology", Elsevier/MK publishers, ISBN: 978-0-12-804203-8, Catalogued in British Library and Library of Congress, 3 pages, 2016.
162. Hamid R. Arabnia; "Higher Education – Computer Science"; a presentation and panel discussion for high-school students. Sponsored by Kanoon of Atlanta and hosted by Prof. Hamid Garmestani (Georgia Institute of Technology), Atlanta, Georgia, November 6, 2016.

## **PROFESSIONAL ACTIVITIES:**

**(This is a very small sub-set; it is a partial list and only includes activities since Year 2006.)**

- Evaluator (15 departments), National Research Council (NRC) Survey of Program Quality, national ranking of CS and CE departments ranking, 2007.
- Member of Program Committee, 12<sup>th</sup> International Conference on Parallel and Distributed Systems (ICPADS) / Systems Architecture, Minneapolis, USA, July 2006.
- Member, Steering Committee, 11<sup>th</sup> CSI Computer Conference, Tehran, Iran, Jan. 24-26, 2006.
- Member, International Workshop on Web-based Internet Computing for Science and Engineering (ICSE'06), Harbin, P. R. China, January 2006.
- Member, Program Committee, The International Conference on Grid and Pervasive Computing (GPC 2006), Taichung, Taiwan, May 3-5, 2006.
- Member, Program Committee, International Symposium on Performance Evaluation and Modeling of Wireless Networks (PEMWN06 – in conjunction with WIRELESSCOM 2006), June 2006, Toronto, Canada, 2006.
- Member, Program Committee, International Workshop on Performance Evaluation of Networks for Parallel, Cluster and Grid Computing Systems (PEN-PCGCS'06 – in conjunction with ICPP 2006), August 14-18, Columbus, Ohio, USA, 2006.
- Member, Program Committee, International Conference on Information Fusion (FUSION 2006), July 10-13, Florence, Italy, USA, 2006.
- Member, Program Committee, 2<sup>nd</sup> IEEE International Workshop on Performance Modeling and Analysis of Communication in Wired and Wireless Networks (PMAC-2WN'06 in conjunction with the 12<sup>th</sup> ICPAD 2006), July 12-15, Minneapolis, USA, 2006.
- Prepared Questions for Educational Testing Service (ETS) GRE Computer Science Subject Test ETS, 2004, 2005, 2006, and 2007.
- Founding General Chair & Coordinator, worldcomp Congress (World Congress in Computer Science, Computer Engineering, and Applied Computing; Academic Sponsors included: MIT Media Lab., TACC of University of Texas at Austin, and 17 other research labs and centers) – USA; 2006 - ...
- Member of Program Committee, IEEE/ACM Int'l. Workshop on High Performance Computing for Nano-science and Technology (HPCNano05), Seattle, Washington, Nov. 2005.
- Member of Program Committee, IEEE/ACM Int'l. Workshop on High Performance Computing for Nano-science and Technology (HPCNano05), Tampa, Florida, Nov. 2006.
- Member of Program Committee, Communicating Process Architectures (CPA 2005, CPA 2006)
- Member of Program Committee, ACMSE 2006, 44th ACM Southeast Conf., Melbourne, Florida.
- Member of Steering Committee, IEEE annual Int'l. Conf. on Machine Learning & Applications (IEEE ICMLA - 2003 - 2007)
- Member of Program Committee, IEEE Computer Society, Int'l. Conf. on Internet & Web Applications & Services (ICIW 2006, Guadeloupe, French Caribbean), Feb. 2006, Track: Entertainment Systems (ENSYS 2006)
- Member of Steering Committee, 11th Int'l. CSI Computer Conf., Tehran, Iran, (Sponsors: Institute for Studies in Theoretical Physics & Math. (IPM), ...), Tehran, Iran, January 2006.
- Member of Int'l. Program Committee, Int'l. Conf. on Grid & Pervasive Computing (GPC 2006), Tunghai Univ., Taiwan, May 3-5, 2006.
- Member of Program Committee, IADIS Int'l. Conf. on Applied Computing 2006, San Sebastian, Spain, Feb. 25-28, 2006.
- Member of Technical Program Committee, Int'l. Symposium on Performance Evaluation & Modeling of Wireless Networks (PEMWN06) with IEEE WIRELESSCOM 2006, June/July, Toronto, Canada, 2006.
- Member of Program Committee, IEEE Int'l. Conf. on Parallel Processing (Workshop on Performance Evaluation of Networks for Parallel, Cluster & Grid Computing Systems, PEN-PCGCS'06, Columbus, Ohio, August 14-18, 2006.
- Member of Program Committee, 14th Int'l. Conf. on Advanced Computing & Communication (IEEE Computer Society, IBM, ...), India, Dec. 2006
- Member of Scientific Committee, 4th FAE Int'l. Symposium, European University of Lefke, Turkey, Nov./Dec. 2006.
- Member of Scientific Committee, IEEE 4th Int'l. Conf. on Sciences of Electronic, Technologies of Information and Telecommunications (SETIT2007), Hammamet, Tunisia, March 2007.
- Member of Program Committee, IADIS Int'l. Conf. on Wireless Applications & Computing 2007, Lisbon, Portugal, July 6-8, 2007.

Program Co-Chair, The 2007 International Conference on Multimedia & Ubiquitous Engineering (IEEE Computer Society), Seoul, Korea, April 26-28, 2007.

Member of Program Committee, 21st IEEE International Parallel & Distributed Processing Symposium, IPDPS 2007, (workshop: 6th Int'l. Workshop on Performance Modeling, Evaluation, and Optimization of Parallel and Distributed Systems; PMEO-PDS'2007), March 26-30, 2007 in Long Beach, California, USA.

Member of Program Committee, 8th Int'l. Conf. on Parallel and Distributed Computing, Applications and Technologies (PDCAT'07, IEEE South Australian Chapter), Adelaide, South Australia, 2007.

Member of Program Committee, 8th Int'l. Symposium on Programming and Systems, ISPS'07 (Workshop on Verification and Evaluation of Computer and Communication Systems, VECoS'07), Algiers, Algeria, May 7-9, 2007.

Member of Program Committee, 2nd International Conference on Internet Computing for Science and Engineering (ICSE'07) part of ICCS2007 (Chair: Jack Dongarra), 2007.

Member of Steering Committee, IEEE 7th Symposium on BioInformatics & BioEngineering (BIBE 2007), October 14-17, Boston, Massachusetts, USA, 2007.

Member of Steering Committee, 6th Int'l Conf. on Machine Learning & Applications, December 13-15, IEEE Computer Society, Cincinnati, Ohio, USA, 2007.

Member of Steering Committee, 2nd Int'l Conf. on Multimedia & Ubiquitous Engineering (MUE 2008), IEEE Computer Society, April 24-26, Seoul, Korea, 2008.

Member of Program Committee, 3rd IEEE Int'l Workshop on Performance Modelling and Analysis of Communication in Wired & Wireless Networks (PMAC-2WN'07) in conjunction with 13th Int'l Conf. on Parallel & Distributed Systems (ICPADS 2007), December 5-7, Hsinchu, Taiwan, 2007.

Member of Program Committee, ICCS 2007, Int'l Conf. on Computational Science, May 27-30, The 2nd Workshop on Internet Computing in Science & Engineering (ICSE'07), Beijing, P. R. China, 2007.

Member of Program Committee, IEEE Computer Society in cooperation with ACM SIGARCH, 7th Int'l Workshop on Performance Modeling, Evaluation, and Optimization of Ubiquitous Computing & Networked Systems (PMEO-UCNS 2008), in conjunction with IPDPS 2008, April 14-18, Miami, Florida USA, 2008.

Vice President (elected in 2007), International Society of Intelligent Biological Medicine (ISIBM), term: 2007-2009.

Co-Chair, Award Committee (for Best Papers & NSF Student Travel Fellowships), IEEE 7th International Conference on Bioinformatics and Bioengineering, (BIBE'07, October 14-17, 2007, Harvard Medical School, USA), 2007.

Public radio interview (APSIH) about "Computer Science and Interesting Applications", November 16, 2007 (9:00pm - 10:00pm; US Pacific time zone). The interview was hosted by Prof. Ali Akbari, Director of the CLU Center for Economic Research (California, USA); 2007.

Public radio interview (BBC World Service, British Broadcasting Corporation BBC - Farsi section), about the outstanding achievement awards presented to Dr. Arabnia at Harvard University, Medical School. 4:25pm, October 13, 2007.

Member, IEEE International Advisory Committee, IEEE 8th International Conference on Computer and Information Technology, Sydney, Australia, July 8-11, 2008.

Member, Program Committee, Workshop PMEO'8, of IEEE International Parallel & Distributed Processing Symposium (IPDPS 2008, Miami, Florida, USA, April 14-18), 2008.

Member, IEEE Steering Committee, IEEE 7th International Conference on Machine Learning and Applications (ICMLA'08: San Diego, California, USA), December 11-13, 2008.

Member, IEEE Technical Committee, The 2008, International Conference on Computational Science and Engineering (CSE-08: Sao Paulo, Brazil), July 16-18, 2008.

Session Chair; "Grid, Cluster and P2P Computing:", The 10th IEEE International Conference on High Performance Computing and Communications (HPCC-08), Dalian, P. R. China, September 25, 2008.

General Co-Chair, The 2008 IEEE International Conference on Bioinformatics and Biomedicine (IEEE BIBM 2008), November 3-5, 2008, Philadelphia, PA, USA.

Technical Session Chair: Int'l. Conference on Security Technology (SecTech 2008; Publisher: IEEE Computer Society). December 13, 2008, Hainan Island, Sanya, P. R. China.

Session Chair, High Performance Computing: Novel Architectures and Applications (co-chair with Prof. George A. Gravvanis), The 6th Int'l. Conference on Engineering Computational Technology (ECT 2008, Athens, Greece), September 2-5, 2008.

Member, Steering Committee, The 2008 Int'l. Conference on Machine Learning and Applications (ICMLA'08), publisher: IEEE Computer Society, San Diego, California, USA, 2008.

Member, Program Committee, 9th Int'l. Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing (SNPD 2008, sponsored by ACIS and published by IEEE Computer Society), Phuket, Thailand, August 2008.

Member, Int'l. Advisory Committee, The 2008 Int'l. Symposium on Computer Science and its Applications (CSA-08; Published by IEEE Computer Society), Australia, October 13-15, 2008.

Member, Int'l. Advisory Committee, The 4th Int'l. Symposium on Ubiquitous Applications & Security Services (UASS-09, January 11-13, 2009, Las Vegas, Nevada, USA, in conjunction with IEEE CCNC-09, 2009.

Member, Program Committee, 2nd Int'l. Workshop on High Performance I/O Systems and Data Intensive Computing (HiperIO'08, within IEEE Cluster 2008, Tsukuba, Japan, October, 2008.

Member, Int'l. Advisory Committee, The 3rd Int'l. Conference on Information Security and Assurance (ISA-09, Seoul, Korea, June 23-25, 2009, Publisher: IEEE Computer Society.

Member, Program Committee, The 4th Int'l. Conference on Grid and Pervasive Computing (GPC 2009, Geneva, May 4-8, 2009, Co-Sponsor, IEEE, ...), 2009.

Member, Program Committee, the 2009 World Congress on Computer Science and Information Engineering, March 31 - April 2, 2009, Los Angeles/Anaheim, USA, CSIE 2009, Publisher: IEEE Computer Society, 2009.

Member, Program Committee, The 8th IEEE/ACM Int'l. Workshop on Performance Modeling, Evaluation, and Optimization of Ubiquitous Computing and Networked Systems (PMEO-UCNS 2009, in conjunction with IPDPS, Italy, Rome, May 25-29, 2009.

Member, Steering Committee, The 2008 Int'l. Symposium on Modeling, Assembly and Management for Service Oriented Engineering (MamSOE 2008, in conjunction with IEEE Asia-Pacific Service Computing Conference, APSCC 2008, Yilan, Taiwan, December 9-12, 2008.

Member, Steering Committee, ISIBM, Int'l. Joint Conferences on Bioinformatics, Systems Biology, and Intelligent Computing (IJCBS'09: Sponsors: National Science Foundation, IEEE Computer Society, ...) August 3-6, 2009, Shanghai, China, 2009.

Member, Advisory Board, IEEE Technical Committee on Scalable Computing (TCSC), 2008 – 2012.

Member, Steering Committee (with Profs. Ruzena Bajcsy/UC Berkeley, Mark Borodovsky/GaTech, Arif Ghafoor/Purdue, Joydeep Ghosh/Texas Austin, ...), The 2009 International Conference on Bioinformatics, Systems Biology and Intelligent Computing, August 3-5, Shanghai, P. R. China, 2009.

Member, Steering Committee, IEEE International Conference on Machine Learning and Applications (ICMLA 2009, Miami Beach, Florida, 2009.

Co-Chair, Steering Committee, The 5th International Conference on Future Information Technology, IEEE Computer Society, (FutureTech 2010, May 21-23, 2010, Busan, Korea) 2010.

Member, Program Committee, The 12th IEEE International Conference on Computational Science and Engineering (CSE-09, Vancouver, Canada, August 29-31), 2009.

Member, Technical Program Committee, 17th International Conference on Advanced Computing and Communication, IEEE Co-sponsored (ADCOM 2009, Indian Institute of Science, Bangalore, India, Dec. 14-18, 2009.

Member, Steering Committee, The 2nd International Conference on Computer Science and its Applications, Co-sponsored by IEEE, (CSA 2009, Jeju, Korea, December 10-12), 2009.

Member, International Advisory Board, The 2009 International Conference on Future Generation Communication Networking (FGCN 2009, December 10-12, Jeju Island, Korea, Springer, Lecture Notes, 2009.

Member, Program Committee, 5th IEEE Int'l Workshop on Performance Modelling and Analysis of Communication in Wired and Wireless Networks (PMAC-2WN'09), in conjunction with 15th Int'l Conference on Parallel and Distributed Systems (ICPADS 2009, Dec 8-11, 2009, Shenzhen, China), 2009

Member, Technical Program Committee, Ubiquitous and Pervasive Computing Applications track, part of 13th Int'l Conference on Network-Based Information Systems, NBIS-2010, Gifu, Japan, Sep. 14-16, 2010.

Member, Technical Committee, Int'l Workshop on Ubiquitous Body Sensor Networks, IEEE Co-sponsored (UBSN 2010, March 1-3, 2010, Singapore, part of 5th Annual Int'l Wireless Internet Conference, WICON 2010.

Member, Program Committee, 9th IEEE/ACM Int'l Workshop on Performance Modeling, Evaluation, and Optimization of Ubiquitous Computing and Networked Systems (PMEO-UCNS'2010, Atlanta/Georgia, April 19-23, 2010, in conjunction with IPDPS 2010.

Member, Program Committee, The 2010 Int'l Workshop on High Performance Computing Technologies and Applications, Co-sponsored by IEEE (HPCTA 2010: May 21-23, 2010, Busan, Korea), in conjunction with 10th Int'l Conference on Algorithms and Architectures for Parallel Processing (ICA3PP 2010).

Co-Chair, IEEE 9th Int'l Conference on Computer and Information Technology (CIT 2009: Oct. 11-14, Xiamen, China, 2009.

Member, Technical Advisory Committee, First International Conference on Intelligent Interactive Technologies and Multimedia (IITM 2010, December 28-30, 2010, India), Sponsor" ACM Chapter India, 2010.

Member, Program Committee, The 2010 International Workshop on Multicore and Multithreaded Architectures and Algorithms (M2A2 2010), May 21-23, 2010, Busan, Korea, Proceedings published by Springer Lectures Notes in Computer Science, 2010.



Member, International Advisory Board Committee, The 2nd International Conference on Information Technology Convergence and Services (ITCS-10), Cebu, Philippines, August 11-13, 2010, Technical Co-sponsors: SCS, IEEE Changwon, IICT, IEEE Philippines, IEEE Computer Society, 2010.

Member, Advisory Committee, Future Technology Research Association (FTRA, 2010)

Member, Board of Trustees, Professional Organization Of Iranian-Americans (POOIA), 2011 – present.

Member, Program Committee, The 40th International Conference on Parallel Processing (ICPP 2011 - Cluster and Grid Computing track), September 13-16, 2011, Taipei, Taiwan.

Member, Program Committee, The 11th IEEE International Conference on Computer and Information Technology (CIT 2011, August 31 - September 2, 2011), Pafos, Cyprus.

Co-Chairs, Hamid R. Arabnia and Hang-Bae Chang; The 3rd International Conference on Information Technology Convergence and Services (ITCS11, October 20-22, 2011, Gwangju, South Korea; Co-Sponsors: FTRA, Korea IT Convergence Society); Publisher of proceedings: Springer, 2011.

Program Co-Chairs, Jongsung Kim, Hamid R. Arabnia, Naveen Chilamkurti, Sajid Hussain, Taeshik Shon, Dong-Seong Kim, Ching-Hsien Hsu, Nazim Agoulmine, Ketan Mane, Yang Sun Lee, Dong Kyoo Kim, Seungmin Rho, Hangbae Chang; The 2011 FTRA World Convergence Conference (FTRA WCC 2011; Jeju, Korea, December 12-15, 2011.

Program Co-Chairs: Jongsung Kim (Kyungnam University, Korea), Hamid R. Arabnia (University of Georgia, USA), Naveen Chilamkurti (La Trobe University, Australia), The 2011 FTRA International Symposium on Advances in Cryptography, Security and Applications for Future Computing (ACSA-11, Jeju, Korea, December 12-15, 2011.

Member, International Advisory Committee, The 9th IEEE International Symposium on Parallel and Distributed Processing with Applications (ISPA-11, May 26-28, 2011), Busan, Korea.

Member, Program Committee, The 2011 International Conference on Computational Intelligence and Security (CIS'11), Sanya, Hainan Province, P. R. China, December 3-4, 2011.

Member, Technical Program Committee, The 4th IEEE International Workshop on Multicore and Multithreaded Architectures and Algorithms (M2A2 / ISPA 2012; part of The 10<sup>th</sup> IEEE International Symposium on Parallel and Distributed Processing with Applications, July 10-13, 2012, Madrid, Spain.

Member, Editorial Board, The Eighth International Conference on Engineering Computational Technology (ECT2012), Dubrovnik, Croatia, September 4-7, 2012.

Co-Chair, Steering Committee, The 6th FTRA International Conference on Future Information Technology (FutureTech 2012). Published: Springer-LNEE (EI and SCOPUS Index), Vancouver, Canada, June 26-28, 2012.

General Co-Chairs: Young-Sik Jeong (Wonkwang University, Korea) and Hamid R. Arabnia (University of Georgia, USA), The 2012 International Workshop on Cloud and Grid Interoperability (Cloud&Grid 2012), Gwangju, Korea, September 6-8, 2012.

Member, Technical Program Committee, The 4th IEEE International Conference on Cloud Computing Technology and Science (IEEE CloudCom 2012: Taipei, Taiwan, December 3-6, 2012).

Member, Program Committee, International Conference on Computational Science (ICCS 2013, June 5-7, Spain, Elsevier, Scientific Co-Chairs: Peter M. A. Sloot and Jack Dongarra), 2013.

Member, International Advisory Committee, The 3rd International Conference on Frontier Computing (FC 2013: September 4-6, 2013, Korea): Proceedings to be published by Springer Lecture Notes in Electrical Engineering (LNEE) and indexed in Ei and Scopus), 2013.

General Co-Chair, The 8th International Conference on Grid and Pervasive Computing, (GPC 2013: Daegu, Korea, May 9-11, 2013); Publisher: Lecture Notes in Computer Science (LNCS: Springer); indexed into Ei and Scopus), 2013.

General Co-Chair, The 8th International Conference on Ubiquitous Information Technologies and Applications (CUTE 2013: Dec. 18 - 20, 2013, Danang, Vietnam; sponsored by Korean Information Processing Society, 2013.

General Co-Chair, The International Conference on Cloud-Computing and Super-Computing (CCSC 2013: May 20-22, 2013, Kunming, P. R. China); Co-chairs: Hamid R. Arabnia (University of Georgia, USA) and Osvaldo Gervasi (University of Perugia, Italy). Proceedings to be published by LNCS Springer (indexed by Ei and SCOPUS), 2013.

Session Chair, The 8th International Symposium on Intelligent and Manufacturing Systems - autonomous service and manufacturing systems", (IMS 2012: Antalya, Adrasan, Turkey, September 27-28, 2012; Organized & sponsored by Sakarya University, Turkey (Co-chairs: L. A. Zadeh, I. B. Turksen, Z. Sen). Session: Datamining, September 28, 2012.

Member, Program Committee, International Conference on Computational Intelligence and Security (CIS 2012: November 17-18, 2012, P. R. China), 2012.

General Co-Chair, The 8<sup>th</sup> International Conference on Grid and Pervasive Computing (GPC 2013: Seoul, Korea, May 9-11, 2013; Springer-LNCS, 2013.

General Co-Chair (with Prof. Osvaldo Gervasi, Italy); Cloud-Computing and Super-Computing 2013 Conference (CCSC 2013: Kunming, P. R. China, May 20-22, 2013; Springer LNCS publishers); 2013.

Member, Advisory Committee, The 7<sup>th</sup> FTRA International Conference on Multimedia and Ubiquitous Engineering (MUE 2013: Seoul, Korea, May 9-11, 2013, Publisher: Springer, LNCS, 2013).

Co-Chair (with Prof. James J. Park, Korea), The 2<sup>nd</sup> International Conference on Ubiquitous Context-Awareness and Wireless Sensor Network (UCAWSN-13, July 15-17, 2013, Jeju, Korea – Springer LNEE publisher), 2013.

Member, Technical Program Committee, The 5th IEEE International Workshop on Multicore and Multithreaded Architectures and Algorithms (M2A2 2013; part of The 11th IEEE International Symposium on Parallel and Distributed Processing with Applications (ISPA 2013)), Melbourne, Australia, 16-18 July, 2013

Member, Steering Committee of Association for Machine Learning and Applications (IEEE ICMLA series of annual conferences), 2013-...

Member, Program Committee, International Conference on Computational Science (ICCS, June 10-12, Australia, 2014.

Member, Technical Program Committee, The 16th IEEE International Conference on High Performance Computing and Communications (IEEE HPCC 2014: August 20-22, 2014, Paris, France); The IEEE International Workshop on Multicore and Multithreaded Architectures and Algorithms (M2A2 2014); Computer Society, 2014.

Member, Scientific Committee, The International Congress on Technology, Communication and Knowledge (ICTCK 2014: November 26-27, 2014, Iran). Co-Sponsors: IEEE Iran Section, CIVILICA, ...), 2014.

General Co-Chairs: Doo-soon Park, Hamid R. Arabnia, Ivan Stojmenovic, Michael Hwa Young Jeong: The 2014 International Conference on Computer Science and its Applications (CSA 2014: Hyatt Regency Guam Hotel, Guam, USA, December 17 - 19, 2014), 2014.

General Co-Chairs: Han-Chieh Chao, Hamid R. Arabnia, Min-Kuan Chang, Doo-soon Park: The 2014 International Conference on Information Technology Convergence and Services (ITCS-14: October 16-18, 2014, Taipei, Taiwan - Publisher: Springer Lecture Notes in Electrical Engineering (LNEE), 2014.

General Co-Chairs: James J. Park, Hamid R. Arabnia, Victor Leung, Jiannong Cao; The 9th KIPS International Conference on Ubiquitous Information Technologies and Applications (CUTE 2014: Hyatt Regency Guam Hotel, Guam, USA, Dec. 17 - 19, 2014); Springer-LNEE (indexed by SCOPUS and EI), 2014.

Co-Chair/Co-Organizer: COMPSAC 2015: The 39th IEEE Annual International Computer, Software & Applications Conference; Taichung, Taiwan, July 1-5, 2015 (Mobile and Cloud Systems Challenges and Applications).  
Workshop: IEEE International Workshop on Mobile and Embedded Devices Integrated Supercomputing, Co-Chairs/Co-organizers of workshop: Dr. Behnam Rahnema, Dr. Atilla Elci, and Professor Hamid R. Arabnia. Co-sponsors: IEEE Computer Society and IEEE Cloud Computing Chapter, 2015.

General Co-Chair (with Prof. James Park, SeoulTech, Korea; Dr. Han-Chieh Chao, National Ilan University, Taiwan; and Prof. Albert Y. Zomaya, University of Sydney, Australia): The 16th International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT-15: September 16-18, 2015, Jeju, Korea); Publisher: Springer (indexed by EI & SCOPUS), in LNEE book series. 2015.

General Co-Chair (with Prof. Gangman Yi, Gangneung-Wonju National University, Korea; Prof. Ivan Stojmenovic, University of Ottawa, Canada): The 2015 Global Conference on Information Technology, Computing, and Applications (Global IT 2015: University of Nevada, Las Vegas, USA, January 13-15, 2015); Publisher: Springer (indexed by EI & SCOPUS), in LNCS book series. Co-Sponsor: Korea Information Processing Society, (KIPS). 2015

Member, Technical Program Committee, The 17th IEEE International Conference on High Performance Computing and Communications (IEEE HPCC 2015: August 24-26, 2015, New York, USA); IEEE Computer Society, 2015.

Member, Steering Committee; The 2015 World Congress on Information Technology Applications and Services; "Advanced Mobile, Communications, Security, Multimedia, Vehicular, Cloud, IoT, and Computing" (WITC: February 24-26, 2015, Hyatt Regency Jeju Hotel, Jeju, Korea), 2015.

Member, Co-organizing Committee; The IEEE International Workshop on Mobile and Embedded Devices Integrated Supercomputing (MEDIS 2015: July 1-5, 2015, Taichung, Taiwan - in conjunction with The 39th Annual International Computer, Software & Applications Conference (COMPSAC 2015), IEEE Computer Society, 2015.

Member, Program Committee, International Conference On Computational Science (ICCS'15: Reykjavik, Iceland, June 1-3, 2015), 2015.

Member, Steering Committee, The 2015 World Congress on Information Technology Applications and Services (World IT Congress 2015, February 24-26, 2015, Jeju, Korea); 2015.

Member, Program Committee, International Workshop on Sustainable Cloud Computing (SusCloud 2015: February 24-26, 2015, Jeju, Korea); 2015.

Member, Program Committee, The Seventh International Symposium on Parallel Architectures, Algorithms and Programming (PAAP 2015: December 12-14, 2015, Nanjing, China; Co-sponsored by IEEE Computer Society, IEEE Technical Committee of Parallel Processing, 2015.

Co-Chair, Steering Committee (with Prof. James J. Park) and member of Advisory Committee, Book: Advanced Multimedia and ubiquitous Engineering (Future Information Technology), in Lecture Notes in Electrical Engineering (LNEE), Vol 352, Publisher: Springer; 2015.

Co-Chair, Steering Committee (with Prof. James J. Park); Book: Future Information Technology - II; in Lecture Notes in Electrical Engineering (LNEE), Vol 329; Publisher: Springer; ISBN # 978-94-017-9557-9; Library of Congress # 2013947707, 2015.

Co-Chair, Steering Committee (with Prof. James J. Park); Book: Ubiquitous Computing Application and Wireless sensor; in Lecture Notes in Electrical Engineering (LNEE), Vol 331; Publisher: Springer; ISBN # 978-94-017-9617-0; Library of Congress # 2014955621, 2015.

Member, Program Committee; “Big Data, Cloud and Applications” (BDCA, May 25-26, 2015, [www.bdca.uae.ma](http://www.bdca.uae.ma)); organized by National School of Applied Sciences (ENSA), Tetuan, Morocco, 2015.

Member, Program Committee, the 5th International Conference on IT Convergence and Security (ICITCS2015), August 24-27, 2015, Kuala Lumpur, Malaysia, <http://icatse.org/icitcs/>, 2015.

General Co-Chairs: Hamid R. Arabnia (USA), Michael Hwa Young Jeong (Korea), Ivan Stojmenovic (Canada); The 7<sup>th</sup> International Conference on Computer Science and its Applications (CSA 2015, December 16-18, Bangkok, Thailand), Co-sponsor, KIPS CSWRG of Korea, Publisher: Springer, 2015.

Member, Program Committee, the 6th International Conference on IT Convergence and Security (ICITCS2016), September 26-29, Prague, Czech Republic, 2016.

Member, Program Committee, The 7th IEEE International Workshop on Multicore and Multithreaded Architectures and Algorithms (M2A2 2015) in conjunction with The 17th IEEE International Conference on High Performance Computing and Communications (HPCC 2015); August 24 - 26, 2015, New York, USA, 2015.

Member, Program Committee, 17th IEEE International Conference on High Performance and Communications (IEEE HPCC 2015); Co-Chairs, Sun-Yuan Kung and Jack Dongara, August 24 - 26, 2015, New York, USA, 2015.

Member, Program Committee, International Conference on Computational Science (ICCS 2015: Reykjavik, Iceland; June 1-3, 2015); Publisher: Elsevier, Organized by University of Tennessee, Knoxville, USA and University of Amsterdam, 2015.

Member, Program Committee, “The Third World Conference on Complex Systems” (WCCS15), 2015.

Co-Chair, Student Scholarship Committee (Co-Chaired with Dr. Abdi Modarresi of AT&T), Professional Organization Of Iranian-Americans (POOIA), 2015, 2016.

Member, Program Committee, “International Conference on Web Research”; April 27-28, 2016; Tehran, Iran; <http://iranwebconf.ir/>; Sponsors include Iran Section of IEEE, 2016

Member, Program Committee, “International Conference on Computational Science (ICCS: San Diego, California, USA, June 6-8, 2016)”; <http://www.iccs-meeting.org/iccs2016/>, 2016.

Member, Program Committee, “The 5th International Workshop on Hybrid Cloud Computing Infrastructure for e-Science Applications”; (HCCIEA 2016: July 6-8, 2016; Fukuoka Institute of Technology, Japan); in Conjunction with The 10th International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS 2016); <https://sites.google.com/site/hcciea2016/>, 2016

General Co-Chair (with Prof. James Park, SeoulTech, Korea; Dr. Han-Chieh Chao, National Ilan University, Taiwan; and Prof. Albert Y. Zomaya, University of Sydney, Australia): The 16th International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT-15: September 16-18, 2015, Jeju, Korea); Publisher: Springer (indexed by EI & SCOPUS), in LNEE book series. 2015.

Member, Honorary International Advisory Board, 3<sup>rd</sup> International Conference on Soft Computing & Machine Intelligence (ISCM16), Dubai, Dec. 2016

Member (Honorary), ACM, 2016

Member, Association of Professors and Scholars of Iranian-Heritage; <http://www.apsih.org/>; 2016 ...

General Co-Chair, “The 6th IEEE International Symposium on Cloud and Service Computing (IEEE SC2 2016)”; Nadi, Fiji, December 7-10, IEEE, 2016

Co-Chair, “Computer Vision as a Service”, A Special Track of the 12<sup>th</sup> International Symposium on Visual Computing (ISVC’16: December 12-14, 2016, USA), Springer publishers, <http://www.isvc.net/ST4.pdf>, 2016.

Member, Program Committee, “The 2nd International Conference on Social Informatics and Systems Science (SISS)”; Hamamatsu, Japan on July 9-31, 2017; <http://www.iaiai.org/conference/aai2017/siss-2017/>

Member, Program Committee, “Big data analytics-as-a-Service: Architecture, Algorithms, and Applications in Health Informatics; in conjunction with KDD 2017) in Halifax, Nova Scotia, Canada; <http://www.kdd.org/kdd2017/>; 2017

Member, Steering Committee, “Annual Conference on New Trends in Information & Communications Technology Applications (NTICT 2017: March 7 - 9, 2017; Baghdad, Iraq; IEEE Iraq Section)”; <http://www.uoitc.edu.iq/ntict/>; 2017

Member, Program Committee; “2nd International Conference on Big Data, Cloud and Applications 2017”; March 29-30, 2017 in Tetouan, Morocco; <http://bdca17.uae.ma/>; 2017

Chair, Advisory Board, “2017 International Conference on Platform Technology and Service (PlatCon-17)”; <http://2017.platcon.org/>, Technical Sponsor: IEEE Changwon Section; Busan, Korea, 13-15 February, 2017

Member, International Program Committee (other members include: Ian Foster, Thomas Sterling, Geoffrey Fox, Lucio Grandinetti, ...), "TopHPC: Advances in High Performance Computing and Big Data Analytics in Exascale Era"; <http://tophpc.com/>, April 24-26, Tehran, Iran, 2017

Member, Advisory Committee; "The 7th IEEE International Symposium on Cloud and Service Computing (IEEE SC2017)"; Phuket, Thailand, November 22-25, 2017

Member, Program Committee, "International Conference on Computational Science (ICCS 2017 - Zurich, Switzerland: 12-14 June, 2017); <http://www.iccs-meeting.org/>, 2017

**MEMBER OF PANEL AND EVALUATION TEAMS: (a partial list)**

NSF: Member of NSF Site Visit and Renewal Review Team of the NSF Engineering Research Center: Center for Subsurface Sensing and Imaging and Sensing (CenSSIS), at Northeastern University, Boston University, Rensselaer Polytechnic Institute, University of Puerto Rico-Mayaguez, (2003, 2004, 2005, 2006.)

Science Foundation Ireland (2002, 2003.)

Field Reviewer for the Naval Research Lab. (NRL) ; The American Society for Engineering Education (ASEE.) (2004).

National Defense Science and Engineering (NDSE) Fellowship; February 2002.

National Science Foundation, Data and Application Security (DAS) 2002.

Member of Review Panel: US Department of Defense, National Defense Science and Engineering (NDSEG/ASEE); Alexandria, Virginia, 2003, 2004, 2005, 2006.

Member of Panel: International Trade & Security, University of Georgia, September 15, 2003 (Topic: Iraq, Iran & Other Hot Spots.)

Member of Panel: International Trade & Security, University of Georgia, March 3, 2003 (Topic: MidEast Crisis.)

Member of International Program Committee; International Conference on Grid and Pervasive Computing, Tunghai University, Taiwan, May 3-5, 2006.

Evaluator (15 departments), National Research Council (NRC) Survey of Program Quality, national ranking of CS and CE departments ranking, 2007.

Member of NSF Site Visit and Renewal Review Team of the NSF Engineering Research Center: The Bernard M. Gordon Center for Subsurface Sensing and Imaging and Sensing (Gordon-CenSSIS), at Northeastern University, Boston University, Rensselaer Polytechnic Institute, University of Puerto Rico-Mayaguez, April 16-17, 2008.

Master of Engineering External Examiner, RMIT University, Melbourne, VIC, Australia, (Examined two theses), June 2009.

Grant proposal evaluator, University of Technology Sydney, Australia, (Australia-China Special Fund for Scientific and Technological Cooperation), April 28, 2009.

NSF grant proposal evaluator, Computing and Communication Foundations (CCF), division of Computer and Information Science and Engineering (CISE), (evaluated one proposal / April 2009).

NSF grant proposal evaluator, CCF - Software & Hardware Foundation, division of Computer and Information Science and Engineering (CISE), (evaluated one proposal / April 2009).

NSF, Member of Site Visit Team and Panelist, Engineering Research Centers Program, Division of Engineering Education and Centers, "The Center for Subsurface Sensing and Imaging Systems (Gordon-CenSSIS Center)", Northeastern University, Boston University, Rensselaer Polytechnic Institute, University of Puerto Rico at Mayaguez (9th Year evaluation), Co-Authored evaluation report (37 pages): Prof. Bahman Anvari (UC Riverside), Prof. Hamid R. Arabnia (U. of Georgia), Prof. David Colton (U. of Delaware), Prof. Thomas Fischer (Washington State U.), Prof. Charles Pellizzari (U. of Chicago), Prof. Kelly Simmons Potter (U. of Arizona), Prof. Saibun Tjuatja (U. Texas, Arlington), April 21-23, 2009.

NSF Panelist, EEC - Engineering Research Centers Program, Division of Engineering Education and Centers (Generation-3 ERC), evaluated 8 proposals (about \$17M each), October 12-14, 2009.

NSF Panelist, Sensor Information Systems, EEC - Engineering Research Centers Program, Division of Engineering Education and Centers (Generation-3 ERC), evaluated 3 proposals (between \$800K to \$2M each), July 2009.

Evaluated one Patent application (as an expert in the area of High Performance Computing - Reconfigurable Interconnection Network), 2010.

Louisiana Board of Regents, Office of Sponsored Programs, Baton Rouge, LA, USA; evaluated one research proposal (topic: software development life cycle), January 2010.

NSF: Member of NSF Site Visit Review Team of the NSF Engineering Research Center: 9th Year Review of The Bernard M. Gordon Center for Subsurface Sensing and Imaging and Sensing (Gordon-CenSSIS), at Northeastern

University, Boston University, Rensselaer Polytechnic Institute, University of Puerto Rico-Mayaguez, Visitation date: April 12-15, 2010.

NSF: Engineering Research Centers, evaluated a large grant proposal (over 200 pages), National Science Foundation, May 2010.

Evaluated a research proposal for the National Science Foundation, Office of International Science and Engineering, NSF OISE - IRES/DDEP program, April 2011.

Evaluated a research proposal for Executive Board of the Austrian Science Fund, FWF, (International Mobility and Promotion of Female Scientists), “Hertha Firnberg-Program”, June 2, 2011.

As External Evaluator and Site Visit Team member, evaluated the BS, BA, MS, and PhD degree programs offered by Department of Computer Science, Southern Illinois University (Carbondale), Illinois, USA. The Department (as a whole, including the faculty) was evaluated during a formal visit (November 6-8, 2011) and an evaluation report was submitted to SIU's administration on (November 2011 - January 2012).

Evaluator, PhD Degree Program in Computer Science and Engineering Invited by Associate Vice President for Research & Dean of Graduate Studies, Wright State University, Dayton, Ohio, USA, April 19-20, 2012.

Evaluated a research proposal for the Mitacs Elevate Postdoctoral Fellowship Program, Canada (July 2013)

External Evaluator, University of Detroit Mercy, Detroit, Michigan, USA,(evaluated the following two degree programs: BS in Software Engineering/BSSE and MS in Software Engineering/MSSE), December 2013.

Expert Board Evaluator, The National Center for the Assessment of Higher Education (NCAHE), Saudi Arabia, February 2014.

NSF: Member of NSF Site Visit Review Team panel of the National Science Foundation Division of Engineering Research Centers; Review Team Visitation performed November 5-7, 2014.

External evaluated of a graduate program proposal for Master of Science in Computer Science: Department of Computer Science, College of Computer Science and Information Technology, University of Dammam, Saudi Arabia, Dec. 2015.

External evaluator for AIAS-COFUND Fellowships 2015, Aarhus University, AARHUS Institute of Advanced Studies, Aarhus, Denmark, April 2015.

**OTHER ACTIVITIES – including, Evaluation of Promotion Dossiers and Others: (A partial list)**

External Evaluator of numerous promotion and tenure cases (University of California, Los Angeles; University College, Cork, Ireland; University of Technology, Sydney, Australia; Applied Science University, Jordan; City University of New York, Staten Island; Drexel University; State University of New York at Brockport; University of Guelph, Canada; Southern Illinois University; United Arab Emirates University, UAE; Utah State University; Lehigh University; Monash University, Australia; University of Sains Malaysia; Illinois Institute of Technology; Nara Institute of Science and Technology, Japan; Florida State University; University of Massachusetts Dartmouth; Kansas State University; University of Medicine & Dentistry of New Jersey; University of Nottingham, UK; San Diego State University; Amman Arab University, UAE; Queen’s University, Canada; The State University of New York, New Paltz, USA; University of North Florida, Jacksonville, USA; Pennsylvania State University, University Park, USA; Alcatel, Plano, Texas, USA; University of Nevada, Reno, USA; Gettysburg College, PA, USA; University of California, Los Angeles, USA; Pennsylvania State University, University Park, Pennsylvania, Amman Arab University for Graduate Studies, Jordan; Lakehead University, Ontario, Canada; Mississippi State University, Mississippi State, USA; Multimedia University, Malaysia; Southern Illinois University Carbondale, Illinois, USA; Sheffield Hallam University, Sheffield, United Kingdom; Oakland University, Rochester, Michigan, USA; Case Western Reserve University, Cleveland, Ohio, USA; The City University of New York, College of Staten Island, New York, USA (2007) Glasgow Caledonian University, Scotland, 2007, Northeastern University, Massachusetts, USA; The University of Alabama, Tuscaloosa, Alabama, USA; University of Akron, Ohio, USA; Texas Tech University, Lubbock, Texas, USA; University of West Florida, Pensacola, USA; University of Southern Mississippi, Mississippi, USA; External Evaluator for Promotion Dossiers: University of Jordan (2008), University of North Florida (2008), University of West Florida (2008), The City College of New York (CUNY) (2008), Missouri University of Science and Technology (2008), Promotion to the rank of Full Professor, Northeastern University, Department of Electrical & Computer Engineering, Boston, MA, 2009, Promotion to the rank of Full Professor, University of Derby, United Kingdom, 2009, Promotion to the rank of Full Professor, King Saud University (KSU, Riyadh, Saudi Arabia), March 28, 2009, Promotion to the rank of Readership, University of Huddersfield, UK, June 2009, Promotion to the rank of Associate Professor with Tenure, Hood College, Department of Computer Science, Frederick, Maryland, USA, 2009, Promotion to the rank of Associate Professor with Tenure, Idaho State University, EECS, College of Engineering, Pocatello, Idaho, USA, 2009, Promotion to the rank of Associate Professor with Tenure, The American University of Cairo, Egypt, 2009, Promotion to the rank of Associate Professor, The University of Jordan, May 2009, Promotion to the rank of Associate Professor, Sultan Qaboos University, Sultanate

of Omans, 2009, Promotion to the rank of Associate Professor, King Saud University (KSU), Saudi Arabia, 2010; Promotion to the rank of Associate Professor with Tenure, University of West Florida, Pensacola, FL, USA; Promotion to the rank of Associate Professor with Tenure, Brandeis University, MA, USA; Promotion to the rank of Associate Professor with Tenure, University of Maine, Orono, Maine, USA; Promotion to the rank of Associate Professor with Tenure, Southern Illinois University, Carbondale, Illinois, USA; Promotion to the rank of Professor, Florida Institute of Technology, Melbourne, Florida, USA; Promotion evaluation for Oakland University (ECE Dept.), Rochester, Michigan, USA; Promotion evaluation for Oakland University (CSE Dept.), Rochester, Michigan, USA; Promotion to the rank of Associate Professor, Howard University, Washington, DC, USA, Promotion and reappointment, Oakland University, Rochester, Michigan, USA (January 2011); Promotion to the rank of Associate Professor, Department of Computer Science, The University of Jordan, Amman, Jordan "King Abdullah II School of for Information Technology, Jordan" (February 2011); Promotion to the rank of Associate Professor, Al-Balqa Applied University, Al-Salt, Jordan (March 2011); Promotion to the rank of Full Professor, Department of Informatics, University of Huddersfield, United Kingdom (September 2011); Promotion to the rank of Full Professor, Department of Computer Science, Southern Illinois University, Illinois, USA (September 2011); Promotion to the rank of Full Professor, Department of Electrical Engineering, University of Arkansas, Fayetteville, Arkansas, USA (September 2011); Promotion with Tenure for the rank of Associate Professor, School of Computing, University of Southern Mississippi, Hattiesburg, Mississippi, USA (September 2011); Promotion to the rank of Full Professor, Department of Computer Science, Southern Illinois University, Illinois, USA (October 2011); Promotion with Tenure for the rank of Associate Professor, Department of Electrical Engineering, University of North Dakota, North Dakota, USA (October 2011); Promotion to the rank of Full Professor, Department of Business Administration and Department of Mathematics and Computer Science, Fisk University, Tennessee, USA (October 2011); Promotion to the rank of Full Professor, Department of Electrical Engineering, Idaho State University, Idaho, USA (November 2011); Promotion to the rank of Associate Professor, Universiti Brunei Darussalam, Brunei (June 2012); Promotion to the rank of Associate Professor, University of West Florida, USA (September 2012); Promotion to Full Professor, University of West Florida, USA (September 2012); Promotion to Full Professor, The University of Memphis, Tennessee, USA (September 2012); Promotion to the rank of Associate Professor, East Stroudsburg University, Pennsylvania, USA (October 2012); Promotion to Full Professor, University of Southern Mississippi, Hattiesburg, Mississippi, USA (October 2012); Promotion to the rank of Associate Professor, Clemson University, South Carolina, USA (November 2012); THREE Promotion cases to the rank of Associate Professor, The University of Jordan, Amman, Jordan (December 2012); Promotion to the rank of Associate Professor, Oakland University, Michigan, USA (December 2012); Promotion to Full Professor, Middle East University, Amman, Jordan, 2012; Promotion to Full Professor, Wentworth Institute of Technology, Boston, MA, USA (December 2012); Promotion, Al al-Bayt University, Jordan (2012); Promotion to Full Professor, Karakoram International University, Pakistan (2013); Promotion to Full Professor, University of West Florida, Pensacola, Florida, USA (2013); Promotion to Full Professor, Kansas State University, Manhattan, Kansas, USA (2013); Promotion to Full Professor, University of Washington, Bothell, Washington, USA (2013); Promotion to Associate Professor with Tenure, Kettering University, Flint, Michigan, USA (2013), Promotion to Full Professor, Air Force Institute of Technology (AFIT), Wright Patterson AFB, Ohio, USA (2014); Associate Professor to Professor, Department of Computer Science, Tulane University, New Orleans, LA, USA (2014); Assistant to Associate Professor, Computer Science, Bowling Green State University, Ohio, USA (2014); Promotion to Full Professor and Tenure, Department of Business & Entrepreneurial Science, Lincoln University, PA, USA (2014); Promotion to Associate Professor with Tenure, Department of Computer Science, Bowling Green State University, Bowling Green, Ohio, USA (2014); Promotion to Associate Professor, Department of Computer Information Systems, Jordan University of Science and Technology, Jordan (2014); Promotion to Associate Professor, Department of Business Information Technology, The University of Jordan, Amman, Jordan (2015); Promotion to Full Professor, The University of Jordan, King Abdullah II School for Information Technology, Computer Science Department, Amman, Jordan (March 2015); Promotion to Full Professor, EECE, College of Engineering, The University of Memphis, Memphis, Tennessee, USA (2016); Promotion to Full Professor, School of Engineering and Computer Science, Oakland University, Rochester, Michigan, USA (2016); Promotion to Full Professor, University of Jordan, Amman, Jordan (2016); Promotion to Full Professor (TWO CASES), University of Jordan, Amman, Jordan (2017); Promotion to Full Professor, University of Memphis, Tennessee, USA (2016).

An Expert Consultant for the design of the future European Commission Policies towards the Single European Electronic Market (SEEM) - sought advise by European Commission, 2005/2006.

Interviewed by reporters of Pocono Record (News & Information from Northeast Pennsylvania), article entitled "ESU Prof Unravels Mathematical Puzzle", January 2007.

Interviewed by Ali Shams (Reporter of Science & Technology, Iranian Students News Agency), Topic of discussion: Information Technology, September 2007.

Interviewed by IRI Television (Iran), Subject: Supercomputing, November 29, 2007.



Interviewed by a Radio Program (section Javan); Subject: Science and Information Technology; aired on Monday, October 20, 2008 (12:45pm-13:30pm Iran time zone).

Interviewed by science reporters at Prince Sultan University (Saudi Arabia), January 2008.

Interviewed by "Jam E Jamm" Television, Subject: Recent Advances in Computer Science, 2008.

Interviewed by "Science @ Hamshahri organization"/Iran newspaper; "potential use of EEG Caps (Brain wave processing) in various branches of computer science", April 2009.

Course Proposal: Freshman seminar; approved and taught in Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016; FYOS1001 (1 Hr - FirstYear Odyssey Seminar); Title: "Computer Science and Grand Challenges."

## **REFeree FOR THE FOLLOWING JOURNALS, BOOK PUBLISHERS, AND CONFERENCES (A partial list.)**

- International Journal of Computers and Mathematics (Elsevier Sciences) (2004-)
- IEEE Transactions on Neural Networks, 2004.
- IEEE Computer Architecture Letters, 2009.
- ACM Journal of Emerging Technologies in Computing, 2009.
- Referee, IEEE Transactions on Engineering Management, 2010.
- Referee, Journal of Electronics and Telecommunications Research Institute (ETRI, South Korea), 2010.
- Referee, Journal of Science of Computer Programming, Elsevier, 2010 - ...
- Referee, Applied Soft Computing, Elsevier, 2010 - ...
- Referee, IEEE Computer Architecture Letters, 2010.
- Evaluator of Patent applications (as an expert in the area of distributed systems and algorithms), 2011-...
- Journal of Decision Support Systems (and Electronic Commerce) - Elsevier, 2010 - ...
- Database: The Journal of Biological Databases and Curation (Publisher: Oxford University Press), 2012.
- International Journal of Communication Systems; 2012.
- Aerospace Science & Technology journal, Elsevier. 2012.
- Journal of Biological Databases and Curaton (Oxford), Editor, J. Cherry, Stanford University, 2012.
- The Journal of Multimedia Systems (Springer: ISSN: 0942-4962 / ISSN: 1432-1882), Editor-in-Chief: Thomas Plagemann, University of Oslo, Norway, 2014.
- The Journal of Medical Systems, Springer, 2014.
- Journal of Parallel and Distributed Computing" (Elsevier), 2014.
- The Journal of Multimedia Systems (Springer), 2014
- The Journal of Circuits, Systems, and Computers (JCSC), World Scientific Publishing, 2014.
- Journal of Computers in Biology and Medicine, Elsevier, 2014.
- Journal of Engineering Research (JER, Kuwait), indexed in ISI, Scopus, SCIE, ..., 2015.
- Journal of Cognitive Computation; publisher: Springer, 2015.
- The Computer Journal (<https://mc.manuscriptcentral.com/compj> ; <http://comjnl.oxfordjournals.org/> ), 2016 and 2017
- Journal of ACM Computing Surveys, <http://csur.acm.org/> , 2015, 2016, ...
- SpringerPlus journal ( <http://www.springerplus.com/> ); 2016
- Journal of Circuits, Systems, and Computers; World Scientific Publishing; <http://www.editorialmanager.com/wspc-jcsc/default.aspx> ; 2016
- Journal of Engineering Research; JER (ISSN-print: 2307-1877; ISSN-online: 2307-1885); Scopus, <http://www.kuwaitjournals.org/jer/index.php?journal=JER> , 2016
- International Journal of Technoethics (IJT) - Topic: Cyberbullying and Prevention; 2016
- The Journal of Scanning Microscopies (Wiley publishers), ISSN: 1932-8745, Editor-in-Chief: Prof. Brandon L. Weeks. [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1932-8745](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1932-8745) ; 2016
- Journal of Microscopy, an ISI journal, Publisher: John Wiley & Sons, Inc., [www.journalofmicroscopy.org](http://www.journalofmicroscopy.org) , 2016
- Journal of Oncotarget (ISSN #: 1949-2553), MEDLINE/PubMed, Scopus, Web of Science, ...; <http://www.impactjournals.com/oncotarget/index.php?journal=oncotarget> ; 2016
- Journal of Microscopy Research and Technique; Wiley publishers, [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1097-0029](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1097-0029) ; 2016, 2017, ...
- IEEE Systems Journal; <https://mc.manuscriptcentral.com/ieee-sj> ; 2016

- Member, Program Committee; “2nd International Conference on Big Data, Cloud and Applications 2017”; March 29-30, 2017 in Tetouan, Morocco; <http://bdca17.uae.ma/> ; 2016, 2017
- International Conference on Computational Science (ICCS 2017 - Zurich, Switzerland: 12-14 June, 2017)
- The IEEE Transactions on Services Computing; <https://www.computer.org/web/tsc> ; special issue, 2016

#### **REVIEWER FOR THE FOLLOWING TEXTBOOK PUBLISHERS:**

MacMillan Publishing Company, West Publishing Company, Prentice Hall, Business and Educational Technologies (B&E) Publishing, D. C. Heath Publishing Company, Oxford University Press, Kluwer Academic Publishers, Addison-Wesley Publishing Company, PWS Publishing Company, John Wiley & Sons, Inc., Springer’s Computing and Information Science Book Program; Engineering & Environmental Sciences, CRC Press, Taylor & Francis Group (Cloud Computing with e-Science Applications); Wiley, New Jersey, USA, (Pervasive Computing for Medicine from Cloud to Nano and Their Legal Implications).

#### **DEPARTMENTAL/UNIVERSITY SERVICE: (A partial list.)**

- Graduate Faculty – UGA – 1991 – present.
- Faculty Senator, College of Arts and Sciences, University of Georgia (1996 - 1999).
- Chair, Admissions Committee, University of Georgia, Franklin College of Arts and Sciences (1998 - 1999).
- Member of the University Council (2001 – 2004).
- Chair, Computer Science Curriculum Committee (1994-1999).
- Member of the Program Review Team for the review of the Center for Artificial Intelligence (2001-2002 ).
- Member of the Department of Computer Science Grade Appeals Committee, 2001-2003.
- Chair, Ad-Hoc Committee, Headship Search, 2002.
- Chair, Ad-Hoc Committee, Introduction to Programming Sequence. 2002.
- Chair, Industry / External Relations Committee. (2002-)
- Chair, Computer Science Graduate Programs Committee (2002-2008).
- Chair, Computer Science Graduate Admissions Committee (2002-2008).
- Member, Tenured Faculty Committee (1995-)
- Graduate Coordinator, Department of Computer Science (2002-2008).
- Chair, Graduate Aid Committee (2002-2008).
- Member, Evaluation Committee; Excellence in Graduate Student Research Award, University of Georgia (Graduate School), March 2003.
- Chair, Computer Science Graduate Examinations Committee (2002-2008).
- Member of Departmental Recruiting Committee, University of Georgia, 2004/2005.
- Member of Admission and Retention Committee, UGA Graduate School (2005-2008).
- Member, Evaluation Committee, UGA PhD Dissertation Award, March 24, 2005.
- Member, Evaluation Committee, Doctoral Dissertation Completion Competition, University of Georgia, Graduate School, 2006.
- Member, Task Force on Graduate Education (Challenge of Innovation), University of Georgia, 2006.
- Member, Graduate Council Committee, University of Georgia, 2006.
- Chair, Admission & Retention Committee, Graduate School, University of Georgia, 2006.
- Member, Task Force on Graduate Education (Challenge of Innovation), University of Georgia, 2007.
- Member, Graduate Council Committee, University of Georgia (2005-2008).
- Chair, Admission & Retention Committee, Graduate School, University of Georgia (2005-2007).
- Judge, The 2007 Dianne C. Davison Scholar Award, Graduate School, University of Georgia, 2007.
- Member, Administrative Committee, UGA Graduate Council (2007-2008).
- Member of UGA Program Review Team, Institute of Artificial Intelligence, University of Georgia, 2008.
- Elected Member of UGA University Council Admissions Committee, 2008 - 2011.
- Member, UGA Graduate Council, 2008.
- Judge, 2008 Dianne C. Davison Scholar Award (for UGA Graduate School), July 2008.
- Reviewer, UGA Presidential Fellows, 2008.
- Member, Department of Computer Science, Accreditation Committee / ABET (2008 - present).

- Member, Department of Computer Science, Curriculum Committee (2008 - present).
- Member, Department of Computer Science, Graduate Admissions Committee (2008 - present).
- Member, Department of Computer Science, Graduate Programs Committee (2008 - present).
- Member, Department of Computer Science, Graduate Student Recruiting Committee (2008 - present).
- Member, UGA 7-year Evaluation Committee (evaluating The Institute for Artificial Intelligence, Final Report submitted Feb. 2009 (co-authored by: Nigel Adams, Hamid R. Arabnia, and Robert Varley/Chair), 53 pages, 2009.
- Member, Search Committee, Graduate School, position of Assistant Dean, 2009.
- Representing UGA's Graduate School, "President Adams' Listening Session", 3:00pm-5:00pm, January 7, 2010.
- Member, UGA Faculty Admissions Committee, 2009.
- Chair, Innovation in Graduate Education Award Committee, Graduate School, University of Georgia, 2010.
- Member, University of Georgia, Faculty Admissions Committee, 2010.
- Invited to UGA's "President Adams' Listening Session", formal meeting with UGA President and Provost Morehead discussing the anticipated challenges UGA may be facing in the current decade; January 2010.
- Member, Graduate Programs Committee, Department of Computer Science, University of Georgia.
- Member, Graduate Admissions Committee, Department of Computer Science, University of Georgia.
- Member, Accreditation Committee, Department of Computer Science, University of Georgia.
- Judge, Dianne C. Davison Scholarship, The Graduate School, University of Georgia, 2010.
- Elected Member, University of Georgia Council (representing Franklin College Physical & Mathematical Sciences Division), 2012.
- Member, University of Georgia's Faculty Admissions Committee, 2008-2011.
- Graduate Faculty, University of Georgia, reappointed in 2011 by UGA's President, 2011 – present.
- Elected Member, University of Georgia Council (representing Franklin College Physical & Mathematical Sciences Division), 2012-present.
- Member, University of Georgia's Faculty Admissions Committee, 2008-2011.
- Graduate Faculty, University of Georgia, reappointed in 2011 by UGA's President, 2011
- Chair, Post-Tenure Committee (for one case), Department of Computer Science, UGA, February 17, 2012.
- Member, Departmental Committee, Professional MS in Computational Science Degree Program (Chair: Prof. Thiab Taha) – 2012, ...
- Judge, Graduate School, University of Georgia, Dianne C. Davison Scholar Award for 2012-2013 (Grad School and University Woman's Club), 2012.
- Elected Member of University of Georgia (Council subcommittee), Faculty Grievance Committee (2012 - 2015).
- Member, Committee on Professional MS in Computational Science Degree Program (2012, ...)
- Elected Member, University Council, University of Georgia, reporting to Senior Vice President for Academic Affairs and Provost (2013 – 2016).
- Chair, Post Tenure Review (PTR) Committee, 2012.
- Judge, 2013 Dianne C. Davison Scholar Award (for UGA Graduate School), July 2013.
- University of Georgia Promotion and Tenure Review Committee (2013-...)
- University Review Committee for Physical Sciences, University of Georgia (2013-2014)
- Member, Departmental Search Committee for a Tenure-Track Position (2013-2014).
- Member, Promotion and Tenure Committee (one of 6 members), University Review Committee, University of Georgia, (2013, 2014, 2015).
- Member, Review Committee for Preliminary Consideration for Promotion (Associate to Full Professor), Department of Computer Science, 2014.
- Member, Search and Selection Committee for hiring CS lecturers, Department of Computer Science, 2014.
- Member, Search Committee for hiring "Students Affairs Professional II for Graduate Program", Department of Computer Science, 2014.
- Member of the University Council (2013 – 2015).
- Member, Graduate Admissions Committee, Department of Computer Science, University of Georgia, 2015.
- Member, Policy and By-Laws Committee, Department of Computer Science, University of Georgia, 2015.
- Member, Strategic Planning, Department of Computer Science, University of Georgia, 2015.
- Chair, External Relations Committee, Department of Computer Science, University of Georgia, 2015.
- Member, Departmental Hiring Committee, 2015.
- Member, Post-Tenure Committee for faculty; committee members: Prof. Don Potter (Chair), Hamid R. Arabnia, Liming Cai, Shelby Funk, and John Miller. 2015.
- Member, Policy and By-laws Committee, Department of Computer Science, UGA, 2012, ...

- Member, Strategic Planning Committee, Department of Computer Science, UGA, 2012, ...
- Member, Program Review and Assessment Committee, Department of Computer Science, 2015 - ...
- Member (ex-officio), Undergraduate Program & Curriculum Committee, Department of Computer Science, 2015-...
- Chair, External Relations Committee, Department of Computer Science, University of Georgia, 2010, ...
- Chair, Graduate Admissions Committee, Department of Computer Science, UGA, 2016, ...
- Chair, Graduate Program and Curriculum Committee, Department of Computer Science, UGA, 2016, ...
- Member, Staff Hiring Committee, Prof. Thiab Taha (Chair), Prof. John Miller (Associate Head), Prof. Hamid R. Arabnia, Tim Cheek (Department Manager); 2016/2017.
- Member, University Review Committee for Physical Sciences (University Promotion & Tenure Committee), 2015-2016.
- Member, Review Committee, 3<sup>rd</sup> Year review of a member of AI faculty, Institute for Artificial Intelligence, UGA, 2016.
- Conversation with UGA President: Lunch and Conversation among Faculty Colleagues with President – 8 members of UGA Faculty were invited for the meeting. February 25, 2016.
- Elected Member-at-large, UGA Graduate Council (2016 - 2019)
- Elected Member, UGA Curriculum Committee, Graduate Council (2016 - 2019)
- Member, Search Committee for Assistant Professor, Department of Computer Science, UGA (2016-2017).
- Member, Departmental Review Committee, Promotion to Full Professor (Chair: Prof. John Miller), Members: Prof. Hamid R. Arabnia and Prof. Don Potter; 2016.
- Computer Science Graduate Coordinator (PhD, MS, and MAMS degree programs), University of Georgia; May 2016, ...
- Faculty Sponsor and Advisor, Computer Science Graduate Student Association (CSGSA), 2016, ...
- Member, Search Committee (External), Statistics Department, UGA; 2016/2017.
- Chair, Program Review Committee for the UGA Institute of Artificial Intelligence; other members: Prof. Ying Xu, Regents Georgia Research Alliance Eminent Scholar Chair and Prof. Kent Wolf, Director of Center for Agribusiness & Economic Development (2016-2017).
- Elected member, University Council on Faculty Admissions Committee (July 1, 2017 - June 30, 2020).

**MAJOR PROFESSOR OF THE FOLLOWING STUDENTS: (A partial list.)**

- Ms. Mary R. Robinson, MS, "A Process-And-Data-Decomposition Parallel System " (graduated, 1990).
- Mr. Ching-Yi Chen, MAMS, "Vision-Based Input Device" (graduated, 1990).
- Mr. Chung-Shih Huang, MAMS, "Vision-Based Input Device (II) (graduated, 1991).
- Mr. Tae-Hoon Kim, MAMS, "Edge Detection Using a Pyramid Structure" (graduated, 1991).
- Ms. Gita Williams, MS, "Parallel Sorting Algorithms" (graduated 1992).
- Ms. Mei-Li Chen, MAMS, "Parallel Stereocorrelation using a Cluster of Workstations" (graduated, 1994).
- Mr. Shaheed M. Bacchus, MS, "Pyramidal Image Processing" (graduated, 1995).
- Mr. Su Qu, MS, "Feature-Driven Area-Based Stereo Matching Method on PVM" (graduated, 1995).
- Ms. Jungin Park, MAMS, "Parallel Stereocorrelation - Farming" (graduated, 1995).
- Mr. Aram Rouhani, MS, "Parallel Stereocorrelation" (graduated, 1996).
- Ms. Lin Yang, MS, "Applications of Stereocorrelation in Medical Imaging" (graduated, 1996).
- Mr. Yi Fang, MS, "A Feature-Based Stereo Correspondence Algorithm" (graduated, 1996).
- Mr. Qi Guo, MS, "Stereocorrelation with Single-Featured Template" (graduated, 1996).
- Mr. Tianbin Zhang, MS, "Image Processing for Detection of Potential Breast Abnormality" (graduated, 1996).
- Mr. Poornachandra Duggirala, MS, "Classification and Segmentation of Digital Mammograms" (graduated 1997).
- Mr. Nirav S. Chhatrapati, MS, "A Novel Depth Generation Technique" (graduated, 1997).
- Ms. Lifeng Lin, MS, "Stereo Mammography" (graduated, 1998).
- Mr. Robert Barfield, MS, "Distributed Processing and Applications in Medical Imaging" (graduated, 1998).
- Mr. Syed A. Ali, MS, "Applications on the MultiRing Network" (graduated, 1998).
- Ms. Xia Jiang, MS, "Pattern Recognition for Applications in Medical Imaging" (graduated, 1998).
- Jun Yang, MS, "Face Recognition Using Image Processing and Computer Vision" (graduated, 2000).
- Felicia Jones, MS, "Medical Image Segmentation" (graduated, 2003).
- Ms. Gita C. Williams, Ph.D., "The Reconfigurable MultiRing and Applications" (graduated, 2003).

- Ms. Durga Yeluri, MS, “Using Pattern Recognition to Determine Changes in the Gait of Cranial Cruciate Deficient Dogs with Osteoarthritis”, (graduated, 2005). 2016: She is a Senior Manager at Pfizer, USA.
- Junfeng Qu, Ph.D., “Forecasting Applications Based on Control Theory”, (graduated, 2006.)
- Gao, Xin, MS, “An Image Segmentation Based Method for Stereo Correlation with Viewpoints at Different Depth Locations” (graduated in Fall 2005).
- Rabia Jafri, PhD., “Fusion of Face and Gait for Human Recognition”, (graduated, Spring 2008).
- Kavitha Anandan, MS, “Image Processing of Nano Structures” (graduated, Spring 2009).
- Mr. David Luper, PhD, “Complex Systems Data Mining and Knowledge Extraction”, PhD Examination Committee Members: Hamid R. Arabnia (Chair), John Schramski, Walter D. Potter, Khaled Rasheed; 2007 – 2012, graduated - December 2012. Currently (as of 2013) working as Data Engineer at Apple, inc., Cupertino, California, USA.
- Mr. Chulwoo Lim, PhD, Computer Science, "Security Applications with Multi-Camera Imaging Systems", unfinished work; (2010 – 2011).
- Mr. Mohammad Nasiri Mohammadabadi, MS, “Interacting with Computer by Hand Gesture Recognition Using Monocular Camera”, Supervisor: Hamid Arabnia; Advisor: Dr. Mohammad Hossein Nadimi; Islamic Azad University, Najaf Abad Branch, Iran (2011-2013 – graduated).
- Mr. Yu Qiu, MS, 2013 – in progress.
- Mr. Prathamesh R. Divekar; MS Thesis, Computer Science, "Topic Graphs: A Clustering Technique to Categorize Subject Based Searches" (2012-2014); Graduated, Spring 2014. (Employment: Spar Solutions, Long Beach, California, USA).
- Ms. Karen E. Aguar; PhD Dissertation; 2014 - ...
- Ms. Zengyan Wang; PhD Dissertation; 2014 - ...
- Mr. Seyed Alireza Khatamian Oskoei; PhD Dissertation; “Feature Extraction and Analysis for 3D Point Cloud-Based Object Recognition”. 2012 – 2016 (Graduated in 2016)
- Yiping Wang; MS Thesis; 2014 - ...
- Mr. Yan Feng; MS Thesis; 2014 - ...

**NOTABLES: FORMER STUDENTS & CORPORATIONS who have contributed funds and/or services to UGA:**

- Dr. Erin-Elizabeth A. Durham; Position (as of 2015) Data Management Security & Initiatives Leader, GE, Atlanta, Georgia, USA – former undergrad student (acted as Judge for an important IT event at UGA), 2015.
- Ms. Linda Stevenson – former undergrad student; contributed funds to UGA in honor of Dr. Hamid R. Arabnia, 2015.
- Dr. Arash Jalal Zadeh Fard – former grad student (Arabnia was a member of his PhD Committee) – contributed funds to UGA in honor of Dr. Hamid R. Arabnia, 2015.
- The Benevity Community Impact Fund, contributed funds to UGA in honor of Dr. Hamid R. Arabnia, 2015.
- Dr. and Mrs. Arash Jalal Zadeh Fard - contributed funds to UGA in honor of Dr. Hamid R. Arabnia, 2016.
- The Benevity Community Impact Fund, contributed funds to UGA in honor of Dr. Hamid R. Arabnia; multiple times in 2016 (multiple).
- Dr. Amir Reza Abdolrashidi, contributed funds to UGA in honor of Dr. Hamid R. Arabnia, 2017.

**MEMBER OF ADVISORY/EXAMINATION COMMITTEE:**

Supervised numerous projects in Directed Studies.

Member of numerous other Examination Reading and Advisory Committees.

*PhD & MS Committees - Partial list (since 2005):*

- Member, UGA MS Thesis Examination Committee, “An Iterated Local Search With Adaptive Memory Applied to the Snake in the Box Problem”, William J. (Josh) Brown (graduated 2005).
- Member, UGA PhD Advisory Committee, “Fusion of High-Resolution Images”, Yangrong Ling, Geography, (graduated 2005).

- PhD External Evaluator/Examiner, “Versatile Routing for Guaranteed Bounded Delay for End-to-End System in a Mesh Network”, Golla Varaprasad, Anna University, Chennai, India, 2005.
- PhD External Examiner, appointed by the Senate of the National University of Ireland (as Special External Examiner), student: Philip D. Healy (UNCC-NUI, Cork, Ireland) (since 2005).
- PhD External Examiner, “Study and Enhancements of Non-Photorealistic Rendering Techniques”, Priti Sehgal, University of Delhi, Delhi, India (2005).
- Master of Engineering, External Evaluator/Examiner, "The Design of Strain Network Architecture for the Optimized Structural Health Monitoring of Composite Structures" (Student: Mayur Deivasigamani), RMIT University, Victoria, Australia, January 2006.
- PhD External Evaluator/Examiner, "Embedded Intelligence in Structural Health Monitoring Using Artificial Neural Networks" (Student: Ajay Kesavan), RMIT University, Victoria, Australia, November 2006.
- PhD External Evaluator/Examiner, "Parallel Scientific Applications Scheduling on Distributed Computing System", (Student: Muhammad Haroon Rashid), Preston University, Islamabad, Pakistan and UAE, Victoria, Australia, November 2006.
- PhD External Evaluator/Examiner, "Versatile Routing for Guaranteed Bounded Delay for End-to-End System in a Mesh Network", (Student: Golla Varaprasad), Anna University, Chennai, India, March 2006.
- PhD External Evaluator/Examiner (on Site Examination), "Metacomputing on Clusters Augmented with Reconfigurable Hardware", (Student: Philip D. Healy), National University of Ireland, Cork, Ireland, July 2006.
- PhD Member of Advisory/Examination Committee, "Stochastic Models for Object Tracking, Background Modeling and Their Applications", (Student: Xingzhi Luo), University of Georgia, USA, 2006.
- PhD External Evaluator/Examiner, "Determining Web Usability - A Pragmatic Approach", (Student: Hema Banati nee Hema Gulati), University of Delhi, India, October 2006.
- PhD External Examiner, “Embedded Intelligence in Structural Health Monitoring Using Artificial Neural Networks” by Ajay Kesavan, RMIT University, Victoria, Australia, November 2006.
- PhD External Examiner, “Trust Based Decentralized Recommender Systems” by Harmeet Kaur, Computer Science, University of Delhi, India, 2007.
- PhD External Examiner, “Improved Face Recognition Using Image Resolution and Optimization of Feature Vector” by Muhammad Almas Anjum, Computer Engineering, National University of Sciences & Technology, Rawalpindi, Pakistan, 2007.
- PhD, Computer Science, University of Georgia, Yong Wei, “Video Personalization for Resource Constrained Environments”, 2007.
- PhD, Computer Science, University of Georgia, Ananda S. Chowdhury, “Computer Vision-Guided Virtual Craniofacial Surgery”, 2007.
- PhD, Computer Science, University of Georgia, Rui Wang, 2007
- MS, Computer Science, University of Georgia, Debdatta Chatterjee, “Measurement of Intrusions in a University Environment”, 2007.
- Member, MS in CS Examination Committee, Savitha Emani, “A Comparative Evaluation of Semantic Web Service Discovery Algorithms and Engines”, under the direction of Prof. John A. Miller, 2009.
- Member, MS in CS Examination Committee, Edwin Ralph Purvee, “Optimizing SPARQLER Using Short Circuit Evaluation of Filter Clauses”, under the direction of Prof. Krzysztof J. Kochut, 2009.
- MS, Computer Science, University of Georgia; Charulakshmi Vijayagopal, "Improving Partitioned Scheduling Bounds", Major Professor, Dr. Shelby H. Funk, 2010.
- MS, Computer Science, University of Georgia; Gurinder Pal Singh Gosal, "Prokino: Design and Development of Ontology on Protein Kinases", Major Professor, Dr. Krzysztof J. Kochut, 2010.
- MS, Computer Science, University of Georgia; Vasim Mahamuda, "Analyzing the Performance of Machine Learning Algorithms on Metagenomic Data", Major Professor, Dr. Khaled Rasheed, 2010.
- MS, Computer Science, University of Georgia; Naga Krishna Gollapudi, "SemCloud: Using Semantics to Improve Automation on a Cloud", Major Professor, Dr. John Miller, 2010.
- MS, Computer Science, University of Georgia; Wei Yu, "Numerical Simulations for 1+2 Dimensional Nonlinear Schrodinger Equation", Major Professor, Dr. Thiab Taha, 2010.
- PhD, External Examiner, Anna University, India, "Performance Improvement in Direct Torque Control of Switched Reluctance Motor Drive Using Intelligent Techniques", Student: Veena P., 2009/2010.
- PhD, External Examiner, Anna University, India, "Predicting the Insulation Status of High Voltage Rotating Machines Using Intelligent Techniques", Student: K. Sathiyasekar, 2010.
- PhD, External Examiner, Gauhati University, India, "Design and Development of Embedded System Based Computer Applications for Monitoring and Controlling of Physical Parameters", Student: Siddhartha Baruah, 2010.



- PhD, External Examiner, Anna University, India, "Direct Torque Control of Switched Reluctance Motor Drive Using Intelligent Techniques", Student: Veena P., 2009/2010.
- PhD, External Examiner, Anna University, India, "Automatic Extraction of Urban Road Network Using Morphological Techniques", Student: Letitia S., 2009/2010.
- PhD, Computer Science, University of Georgia; Kalesha Bullard, Major Professor, Dr. Walter D. Potter, 2010/2011.
- Meng Meng, MS Thesis (UGA Computer Science), "Automated MRI Prediction of Alzheimer's Disease Development by Machine Learning Methods", Major Professor: Khaled Rasheed. Examination Committee members: Tianming Liu and Hamid R. Arabnia, 2011 (completed).
- Man Chon (Kevin) U, PhD Dissertation (UGA Computer Science), "Using Clustering Validity Analysis to Reduce Label Uncertainty", Major Professor: Khaled Rasheed. Examination Committee members: Hamid R. Arabnia, Kannan, Eric Talevich; graduated (2013).
- Maryam Panahiazar, PhD Dissertation (UGA Bioinformatics), "Developing Semantic Technologies for PhyloInformatics", Major Professor: Jim Leebens-Mack. Examination Committee members: Hamid R. Arabnia, John Miller, Amit Sheth, Graduated 2012.
- Brian Smith, PhD Dissertation (UGA Computer Science), "Weighted Genetic Programs: a Memetic Paradigm for Real-Valued Problems", Major Professor: Don Potter, Examination Committee members: Hamid R. Arabnia, Ron McClendon, Khaled Rasheed, 2006-2011 (completed).
- Rahila Umer, MS Thesis (UGA Computer Science), Major Professor: Khaled Rasheed. Examination Committee members: Hamid R. Arabnia, ...; 2009-2011 (completed).
- "Application of Soft Computing in Web Intelligence", PhD Thesis. Student: Shawki Abdul Rakib Saif Al-Dubae. Aligarh Muslim University, India, January/February 2011.
- "Mapping of Algorithms on Parallel Architectures", PhD Thesis. Student: Keny T. Lucas. Indian School of Mines, Dhanbad, India, March 2011.
- "Automated Signature Generation for Zero-day Polymorphic Worms Using a Double-honeynet", PhD Thesis. Student: Mohssen M. Z. E. Mohammed. University of Cape Town, Rondebosch, South Africa, April 2011.
- "Selecting and Constructing Rules Using Genetic Programming and Grammatical Evolution", PhD Thesis. Student: Mohammed Mostafa Mohammed Nasef (Supervisors: Prof. Dr. Ismail A. Ismail, Prof. Dr. Nabawia A. El-Ramly, Dr. Mohammed A. Abd-El-Wahed, Dr. Passent M. El-Kafrawy). Menoufia University, Department of Mathematics, Egypt, June 2011.
- "An Optimal Controller Design Using Methods for Web Guide Control of Cold Rolling Mill", PhD Thesis. Student: S. Uma Maheswari. Centre for Research, Anna University, Chennai, India, June 2011.
- "Efficient Techniques for Image Spam Classification Using Back Propagation Neural Network", PhD Thesis. Student: M. Soranamageswari. Avinashilingam Deemed University for Women, Coimbatore, Tamil Nadu, India, October 2011.
- "Enhancing Routing Efficiency Using Agents" PhD Thesis. Student: M. A. Rizvi. Maulana Azad National Institute of Technology, Bhopal, India, October 2011.
- "Some Studies on Medical Image Processing Methods and Their Implementation", PhD Thesis. Student: Arpita Das (Supervisor: Prof. Mahua Bhattacharya). Department of Radio Physics and Electronics, University of Calcutta, India, December 2011.
- Meng Meng, MS Thesis (UGA Computer Science), "Automated MRI Prediction of Alzheimer's Disease Development by Machine Learning Methods", Major Professor: Khaled Rasheed. Examination Committee members: Tianming Liu and Hamid R. Arabnia, 2011 (completed)
- Man Chon (Kevin) U, PhD Dissertation (UGA Computer Science), Major Professor: Khaled Rasheed. Examination Committee members: Hamid R. Arabnia, Kannan, Eric Talevich; 2010 –
- Maryam Panahiazar, PhD Dissertation (UGA Bioinformatics), "Semantic Technologies and PhyloInformatics", Major Professor: Jim Leebens-Mack. Examination Committee members: Hamid R. Arabnia, John Miller, Amit Sheth, graduated – 2012.
- Brian Smith, PhD Dissertation (UGA Computer Science), "Weighted Genetic Programs: a Memetic Paradigm for Real-Valued Problems", Major Professor: Don Potter, Examination Committee members: Hamid R. Arabnia, Ron McClendon, Khaled Rasheed, 2006-2011 (completed).
- Rahila Umer, MS Thesis (UGA Computer Science), Major Professor: Khaled Rasheed. Examination Committee members: Hamid R. Arabnia, 2009-2011 (completed).
- Shawki Abdul Rakib Saif Al-Dubae, PhD, (Aligarh Muslim University, India), "Application of Soft Computing in Web Intelligence", January/February 2011.
- Keny T. Lucas, PhD (Indian School of Mines, Dhanbad, India), "Mapping of Algorithms on Parallel Architectures", March 2011.

- Mohssen M. Z. E. Mohammed, PhD, (University of Cape Town, Rondebosch, South Africa), "Automated Signature Generation for Zero-day Polymorphic Worms Using a Double-honeynet", April 2011.
- Mohammed Mostafa Mohammed Nasef, PhD, (Menoufia University, Department of Mathematics, Egypt), "Selecting and Constructing Rules Using Genetic Programming and Grammatical Evolution", (Supervisors: Prof. Dr. Ismail A. Ismail, Prof. Dr. Nabawia A. El-Ramly, Dr. Mohammed A. Abd-El-Wahed, Dr. Passent M. El-Kafrawy). June 2011.
- S. Uma Maheswari, PhD, (Centre for Research, Anna University, Chennai, India), "An Optimal Controller Design Using Methods for Web Guide Control of Cold Rolling Mill", June 2011.
- M. Soranamageswari, PhD, (Avinashilingam Deemed University for Women, Coimbatore, Tamil Nadu, India), "Efficient Techniques for Image Spam Classification Using Back Propagation Neural Network", October 2011.
- M. A. Rizvi, PhD, (Maulana Azad National Institute of Technology, Bhopal, India) "Enhancing Routing Efficiency Using Agents", October 2011.
- Arpita Das, PhD, (Department of Radio Physics and Electronics, University of Calcutta, India), "Some Studies on Medical Image Processing Methods and Their Implementation", (Supervisor: Prof. Mahua Bhattacharya), December 2011.
- Arash Jalal Zadeh Fard, PhD, Computer Science, University of Georgia, 2012 – in progress.
- External PhD examiner; Anna University of Technology, Coimbatore, Centre For Research, India.; February 2012.
- External PhD examiner; Maulana Azad National Institute of Technology, Bhopal, India. December 2012.
- Harini Medikonduru, MS, Computer Science, University of Georgia (Examination Committee Chair: Prof. Thiab Taha), "The Two Dimensional Coupled Nonlinear Schrodinger Equation – Numerical Methods and Experiments", 2012.
- Member of MS Examination Committee, Sayali Birari, "FMRI of Gameplay", Major Professor: Tianming Liu (other members: Khaled Rasheed), graduated in 2013.
- Member of PhD Examination Committee, student: Gregory A. Silver, "The Use of Ontologies in Discrete-Event Simulation" (Major Professor: John A. Miller), Graduated in 2013.
- External Examiner, Doctor of Science, Berhampur University, Bhanja Bihar, Ganjam (Orissa), India, April 2013.
- External Examiner, Doctor of Philosophy, RMIT University, Melbourne, Victoria, Australia, May 2013.
- External PhD Examiner: Acharya Nagarjuna University, Guntur Dist., India, December 3, 2013.
- Member of Organizations/Associations (non-Computer Science):  
Association of Professors and Scholars of Iranian Heritage (2009 - )  
Member of Board of Trustees, Professional Organization of Iranian-Americans (2012 - )
- Ms. Farzaneh Motavaselalhigh, Member and External Advisor Master's Thesis: "Knowledge-based Adaptable Scheduler for Software as a Service Provider in Cloud Computing Environment", Azad University, Najaf Abad Branch, Iran (Supervisor: Dr. Faramarz Safi Esfahani, Advisor: Prof. Hamid R. Arabnia, Judges: Dr. Mostafa Kermani and Dr. Hamid Rastegari), 2014 (graduated).
- Mr. Mehdi Bahrami, PhD Committee, PhD Dissertation Title "A Dynamic Cloud with Data Privacy Preservation", University of California, Merced, California, USA, Prof. Mukesh Singhal (Committee Chair, UCMerced), Prof. Florin Rusu (UCMerced), Prof. Hamid R. Arabnia (UGA), 2014 – 2016 (Graduated in 2016).
- Mr. Shahaboddin Shamshirband, PhD Thesis, "Cooperative Multi Agents for Intelligent Intrusion Detection and Prevention Systems", University of Malaya, Kuala Lumpur, Malaysia, 2014 (graduated).
- Mr. Chan Siew Yin, PhD Thesis, "Resource-Aware Graph Partitioning on Multicore Systems", University of Malaya, Kuala Lumpur, Malaysia, 2014 (graduated).
- Mr. Arash Jalal Zadeh Fard; PhD Dissertation, "Subgraph Pattern Matching: Models, Algorithms, and Techniques", Major Professors: John A. Miller and Lakshmish Ramaswamy; Members of Examination Committee: Professors Hamid R. Arabnia and Krzysztof J. Kochut; PhD, Graduated, 2014.
- Mr. Mayur Jadhav; MS Thesis; "Improving Dual Priority Scheduling"; Major Professor: Dr. Shelby Funk; Advisory Committee Members: Prof. Rod Canfield and Prof. Hamid R. Arabnia; MS, graduated, Spring 2014.
- Ms. Jennifer Dawn Rouan; MS Thesis; "GPU Acceleration of k-Nearest Neighbor Search in Face Classifier Based on EigenFaces"; Major Professor: Prof. Thiab Taha; Advisory Committee Members: Prof. Rod Canfield and Prof. Hamid R. Arabnia; MS, 2012-2014; graduated, Spring 2014.
- Sanmit Tatoba Desai; MS Thesis; "Smart Sentiment and Emotion Analysis"; Major Professor: Dr. I. Budak Arpinar (Adv. committee members: Krzysztof J. Kochut and Hamid R. Arabnia), graduated, Fall 2014.
- Mr. Arash Khoshparvar, MS Thesis, "Trust and security Issues in Integrated Circuit Design"; Committee members: Kang Li (Chair), Hamid R. Arabnia and Ismailcem B. Arpinar; 2013-2014, graduated.
- Ms. Narges Khatibi, Islamic Azad University, Isfahan Branch, Department of Computer Engineering; (Major Professor: Dr. Faramarz Safi), MS Thesis in Computer Engineering, 2015 (graduated).

- Ms. Bitra Kazemi Zahrani; MS Thesis; “Big Data Analytic Tools to Detect Fraud in Health-care Data”; Committee members: Prof. Thiab R. Taha (Chair), Prof. Hamid R. Arabnia, Prof. Lakshmish Ramaswamy, graduated, 2015.
- Mr. Jerrad Arthur Patch, MS Thesis, "Detecting Bullying on Twitter Using Emotion Lexicons"; Committee members: I. Budak Arpinar (Chair), Hamid R. Arabnia and D. W. Potter; 2014-2015, graduated.
- Mr. Amir Reza Abdolrashidi; PhD Committee, PhD Dissertation Title “Partitioning of Massive Dynamic Graphs and Its' Impact on Graph Processing Clusters"; Committee members: L. Ramaswamy (Chair), Hamid R. Arabnia, K. Kochut, J. A. Miller, E. R. Canfield; 2011-2016 (Graduated in 2016).
- Mr. Mustafa Nural; PhD Committee, PhD Dissertation Title “Automated Predictive Big Data Analytics Using Ontology”; Committee members: Prof. John A. Miller (Chair), Prof. Hamid R. Arabnia, Prof. Jessica Kissinger, Dr. Khaled Rasheed; 2015, ...
- Mr. Kyle Krafka; PhD Committee, PhD Dissertation Title “Building Real-time Unconstrained Eye Tracking with Deep Learning”; Committee members: Prof. S. M. Bhandarkar (Chair), Prof. Hamid R. Arabnia, Prof. Walter D. Potter, Dr. Kyle J. Johnsen; graduated, Fall 2015.
- Mr. Victor Lawson; PhD Committee, PhD Dissertation Title “Towards a Data Quality-Aware Framework for Cloud-Based Sensor Devices”; Committee members: Prof. Lakshmish Ramaswamy (Chair), Prof. Hamid R. Arabnia, Regents Prof. Richard T. Watson; 2013-2016 (graduated).
- PhD External examiner for Department of Computer Science, Faculty of Science and Engineering, Macquarie University, Sydney, Australia; PhD Thesis title “Improved PCA-Based Techniques for Face and Finger-Vein Recognition Systems” (Student: Sepehr Damavandinejadmonfared); 2017
- Jinze Li (MS in Computer Science): Chair: Tianming Li; members: Khaled Rasheed, Hamid R. Arabnia; “Brain Imaging”, 2016, ...
- Dileep Bodanki (MS in Computer Science); "Applications of Machine Learning Techniques to Resale Based e-Commerce Websites". Chair: Thiab R. Taha; members: Hamid R. Arabnia, Suchendra M. Bhandarkar. Graduated in 2016.
- Ms. Delaram Yazdaneh (PhD in Computer Science); Chair: Lakshmish Ramaswamy; members: Hamid R. Arabnia and Khaled Rasheed, 2016