

CURRICULUM VITÆ

**Mohammad S. Obaidat, Life Fellow of IEEE ,
Fellow of SCS, Fellow of AAIA, and Past
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Biography:



Mohammad S. Obaidat, Ph.D.
Fellow of IEEE, Fellow of SCS and Fellow of AAIA.
Honorary Distinguished Professor, KASIT, The University of Jordan
Past President and Chair of Board of Directors of The Society for Modeling and Simulation International, SCS
Past Advisor to the President of Philadelphia University for Research, Development and Information Technology
Founding Dean and Professor, Collage of Computing and Informatics at University of Sharjah
Past Dean of College of Engineering, Prince Sultan University
Inductee of SCS Hall of Fame-Life Achievement Award
Recipient of the IEEE ComSoc Technical Committee on Communication Software Technical Achievement Award for Contribution to Cybersecurity, Wireless Networks, Computer Networks and Modeling and Simulation
Recipient of the IEEE Systems Journal 8 Best Paper Awards
Founding Editor-in-Chief, Security and Privacy Journal, Wiley
Editor in Chief, International Journal of Communication Systems, Wiley
Executive Editor, International Journal of Computer & Software Engineering, Graphy Publications
Editor, IEEE Transactions on *Sustainable Computing*
Editor, IEEE Wireless Communications
Editor, IEEE Systems Journal

Short Biography:

Professor Mohammad S. Obaidat is an internationally known academic/researcher/scientist/scholar. He received his Ph.D. degree in Computer Engineering with a minor in Computer

Science from The Ohio State University, Columbus, USA. **He is now an Honorary Distinguished Professor at King Abdullah II School of Information Technology, The University of Jordan, Amman, Jordan.**

He has received extensive research funding and published To Date (2022) about One Thousand (1,200) refereed technical articles-About half of them are journal articles, 100 books, and about 70 Book Chapters. He is Editor-in-Chief of 3 scholarly journals and an editor of many other international journals. He is the founding Editor-in Chief of Wiley Security and Privacy Journal. Moreover, he is founder or co-founder of 5 IEEE International Conferences.

Among his previous positions are Advisor to the President of Philadelphia University for Research, Development and Information Technology, President and Chair of Board of Directors of the Society for Modeling and Simulation International, SCS, Senior Vice President of SCS, Dean of the College of Engineering at Prince Sultan University, Founding Dean of the College of Computing and Informatics at The University of Sharjah, Chair and tenured Professor at the Department of Computer and Information Science and Director of the MS Graduate Program in Data Analytics at Fordham university, Chair and tenured Professor of the Department of Computer Science and Director of the Graduate Program at Monmouth University, Tenured Full Professor at King Abdullah II School of Information Technology, University of Jordan, The PR of China Ministry of Education Distinguished Overseas Professor at the University of Science and Technology Beijing, China and an Honorary Distinguished Professor at the Amity University- A Global University. He has chaired numerous (Over 180) international conferences and has given numerous (Over 180) keynote speeches worldwide. He has served as ABET/CSAB evaluator and on IEEE CS Fellow Evaluation Committee. He has served as IEEE CS Distinguished Speaker/Lecturer and an ACM Distinguished Lecturer. Since 2004 has been serving as an SCS Distinguished Lecturer. He received many best paper awards for his papers including ones from IEEE ICC, IEEE Globecom, AICSA, CITS, SPECTS, DCNET, IEEE ICCA, International conferences. He also received Best Paper awards from IEEE Systems Journal in 2018 and in 2019 (2 Best Paper Awards). In 2020, he received 4 best paper awards from IEEE Systems Journal and also in 2021 received the best paper award from IEEE Systems Journal.

During his tenure as Founding Dean of College of computing and Informatics at University of Sharjah, the Computer Sciences program has been ranked by Times for Higher Education (THE) as **NUMBER 1 in UAE** and for the first time in the history of the University.

He also received many other worldwide awards for his technical contributions including: The 2018 IEEE ComSoc-Technical Committee on Communications Software 2018 Technical Achievement Award for contribution to Cybersecurity, Wireless Networks Computer Networks and Modeling and Simulation, SCS prestigious [McLeod Founder's Award](#), [Presidential Service Award](#), SCS [Hall of Fame –Lifetime Achievement Award](#) for his technical contribution to modeling and simulation and for his outstanding visionary leadership and dedication to increasing the effectiveness and broadening the applications of modeling and simulation worldwide. He also received the SCS [Outstanding Service Award](#). He was awarded the IEEE CITS Hall of Fame Distinguished and Eminent Award.

He is a Life Fellow of IEEE, a Fellow of SCS and a Fellow of AAIA.

ADDRESS:

King Abdullah II School of Information Technology

The University of Jordan

Amman, Jordan

E-mail: msobaidat@gmail.com or; m.s.obaidat@ieee.org

Education:

Ph.D. in Electrical & Computer Engineering with Minor in Computer Science, Department of Electrical and Computer Engineering, Ohio State University, Columbus, OH 43210, USA, 1986

M.S. in Computer Engineering, Department of Electrical and Computer Engineering, The Ohio State University, Columbus, OH 43210, USA.

B.S.E.E. in Electrical Engineering with distinction (Third out of 240 Engineering graduates) Aleppo University.

Honors, Awards and, Recognitions

- Life Fellow, The Institute of Electrical and Electronics Engineers, IEEE
- Fellow, The Institute of Electrical and Electronics Engineers, IEEE
- Fellow, The Society for Modeling and Simulation International, SCS
- Fellow, Asia-Pacific Artificial Intelligence Association, AAIA
- Fulbright Distinguished Award, 2004/2005
- President, The Society for Modeling and Simulation International, SCS (2009-2011).
- Chair of the Board of Directors, The Society for Modeling and Simulation International, SCS (2009-2011).
- A Springer Book Honoring Professor Mohammad S. Obaidat's Significant Scientific Contributions Entitled: Advances in Computing, Informatics, Networking and Cybersecurity, Springer, 2022. 485 Pages, ISBN: 3030870480, 9783030870485.
- Received the IEEE ComSoc Technical Committee on Communication Software Technical Achievement Award for Contribution to Cybersecurity, Wireless Networks, Computer Networks, and Modeling and Simulation, Dec 2018.
- University of Jordan Distinguished Researcher Award- Researcher with the highest number of SCOPUS publications, 2021.
- University of Jordan Distinguished Researcher Award, 2019.
- Received in 2014 the Life Time Achievement SCS Hall of Fame Award for the exceptional technical contribution to modeling and simulation and for the outstanding visionary leadership and dedication to increasing the effectiveness and broadening the applications of modeling and simulation worldwide.
- Honorary Distinguished Professor, The Amity University- A Global Research University with campuses all over the World in cities such as London, New York, Singapore, Delhi/Noida, Kolkata, Dubai, Hyderabad, Chennai, Mumbai, Bangalore, Jaipur, Abu Dhabi, Mauritius, China etc.

- Member of the 2015 IEEE Computer Society (CS) Fellows Evaluation Committee
- Received in 2012 the Prestigious SCS Presidential Award for the outstanding unique, long-term technical contributions and services to the profession and society.
- Received in 2009 the Prestigious SCS McLeod Founder's Award in recognition of the outstanding technical and professional contributions to modeling and simulation.
- Received in 2009 the Best Paper Award on the research paper titled “Cross-Layer Based Data in Mobile Ad Hoc Networks, Proceedings of the 2009 IEEE GLOBECOM 2009 Conference.
- Received in 2009 the Best Paper Award on the research paper titled “Adaptive Learning System for Congestion Avoidance in Wireless Sensor Networks,” presented and published in the Proceedings of the IEEE International Conference on Computer Systems and Applications, AICCSA 2009.
- Best Paper Award, IEEE 2011 IEEE International Conference on Data Communication Networking, (DCNET 2011)
- Received in 2010 the IEEE Communications Society’s Outstanding Leadership Award for Distinguished contribution and leadership to IEEE GLOBECOM- Communication Software, Services, and Multimedia Applications (CSSMA) Symposium.
- Received the Outstanding Leadership Award from the IEEE International Conference on Internet of Things (iThings 2011).
- Received in 2011 the FTRA Outstanding Leadership Award for Distinguished contribution and leadership to the 3rd FTRA International Conference on Computer Science and Its Applications (CSA 2011).
- Received the Certificate of Honor and Appreciation from 2011 IEEE Asia-Pacific Services and Computing Conference (APSCC 2011).
- Received the IEEE Outstanding Leadership Award for outstanding leadership on the success of 14th IEEE International Conference on Computer and Information Technology, CIT 2014, Sep 2014.
- Received the Best Paper Award from the 2013 IEEE International Conference on Data Communication Networking, DCNET 2011 on the research paper entitled: “Computational Intelligence Applied to Wildfire Prediction using Wireless Sensor Networks”
- Received the Best Paper Award from 2013 IEEE International Conference on Computer, Information and Telecommunication Systems, 2013 on the research paper entitled: “Learning Automata Based Sentiment Analysis for Recommender System on Cloud.”
- Best Paper Award, IEEE 2015 IEEE International Conference on Computer, Information and Telecommunications Systems, (CITS 2015) on the research paper entitled: “Learning Automaton based Context Oriented Middleware Architecture for Precision Agriculture”.

- Best Paper Award, IEEE 2016 IEEE International Conference on Computer, Information and Telecommunications Systems, (CITS 2016) on the research paper entitled: “A Min-Actor Algorithm for Connected Dominating Set Formation in WSN.”
- Best Paper Award, IEEE 2017 IEEE International Conference on Computer, Information and Telecommunications Systems, (CITS 2017) on the research paper entitled: “Application of Deep Learning to Sentiment Analysis for Recommender System on Cloud.”
- Best Paper Award, IEEE 2018 IEEE International Conference on Communications, ICC 2018 on research paper entitled: “HyClass: Hybrid Classification Model for Anomaly Detection in Cloud Environment.”
- Best Paper Award, IEEE Systems Journal on paper entitled: "Learning Automata-Based Fault-Tolerant System for Dynamic Autonomous Unmanned Vehicular Networks, 2018.
- Best Paper Award, IEEE 2018 IEEE/SCS 2018 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2018, on research paper entitled: “Performance Assessment of Dynamic Analysis Based Energy Estimation Tools.”
- Best Paper Award from IEEE Systems Journal in 2018.
- Best Paper Award, IEEE Systems Journal on paper entitled: "Novel framework of risk-aware virtual network embedding in optical data center networks, 2019”.
- Best Paper Award, IEEE Systems Journal on paper entitled: "Soft-WSN: Software-Defined WSN Management System for IoT Application,” 2019.
- 4 Best Paper Awards from IEEE Systems Journal in 2020
- Best Paper Award from IEEE Systems Journal in 2021.
- Best Paper Award at the 2021 IEEE IAS 6th International Conference on Computing, Communication and Automation (ICCCA)-Paper entitled: Optimal Resource Allocation for Quality-Of-Service in D2D Communication
- Nominated Three Times for the Monmouth University Distinguished Teaching Award.
- Founding Editor-in-Chief, Security and Privacy Journal, Wiley, October, March 2017-Present.
- Editor-in-Chief, International Journal of Communication Systems, Wiley, October 1997-Present.
- Executive Editor, International Journal of Computer & Software Engineering, Graphy Publications
- Editor-in-Chief, Journal of Convergence, FTRA, 2010-Present.

- Editor-in-Chief, Journal of Information Processing, KIPS, 2011-Present.
- Editor, IEEE Wireless Communications. IF = 8.972.
- Served as the Advisor of the President of Philadelphia University for Research, Development and Information Technology to the President of Philadelphia University, Dr. Adnan Badran who became the Prime Minister of Jordan in April 2004, Jordan (2004/2005).
- Advisory Editor, Editor, and Associate Editor of many International Journals and Transactions.
- Advisor for the President of Al-Balq' Applied University (BAU) and Designer of the Software Engineering, Computer Engineering and Computer System Engineering curricula for BAU, 2004-2005.
- Member of the International Advisory Board, Hashemite University, Jordan.
- Member of the Advisory Board, Faculty of Information Technology Hashemite University, Jordan.
- Member of Advisory Committee, Ph.D. Program at University of Genoa, Italy
- Consultant for the President of the University of Jordan on Curricula for the Faculty of Information Technology and Department of Computer Engineering, 2004.
- Senior Vice President, The Society for Modeling and Simulation International, SCS (2006-2009).
- Vice President of Membership, The Society for Modeling and Simulation International, SCS (2004-Present)
- Vice President of Conferences, The Society for Modeling and Simulation International, SCS (2002-2004)
- B.S.EE with Distinction, 3rd out of 240 Engineering Students.
- Royal Endowment for Culture and Education (RECE) Scholarship to obtain M.S. and Ph.D. from The Ohio State University, Columbus, Ohio.
- IEEE Recognition Certificate for Contribution to IEEE Computer Society.
- SCS Recognition Certificate for Contribution to The Society for Computer Simulation.
- IEEE Recognition Certificate for Contribution to IPCCC Conference.
- Listed in numerous Who's Who listings such as Who is Who in Science and Engineering, Who's Who in the World, the 5,000 Personalities of the World, the

Dictionary of International Biography, the Directory of Distinguished Leadership, Who is Who in America, Men of Achievement, Who's Who in the East, International Who's Who of Professionals, International Who's Who of Contemporary Achievements, Outstanding People of the 20th Century, Man of the Year, Who is Who in Information Technology, Research Board Advisor, 2000 Outstanding Scholars of the 20th Century, Who's Who in the 21st Century, among others.

- Listed among Famous Arab Americans- Arab American Scientists; see Wikipedia.
- Distinguished Speaker, IEEE Computer Society, 1995-1998.
- Steering Committee Chair, 1995 IEEE International Conference on Electronics, Circuits and Systems, ICECS'95.
- Technical Program Chair, 1995 IEEE International Conference on Electronics, Circuits and Systems, ICECS'95.
- Program Chair, 1996 IEEE International Phoenix Conference on Computers and Communications, IPCCC'96.
- Vice Chair, 1997 IEEE International Performance, Computing and Communications Conference, IPCCC'97.
- Vice Program Chair, 1997 IEEE International Conference on Computer Communications and Networks, IC3N'97.
- General Chair and Program Co-Chair, 1997 Summer Computer Simulation Conference, SCSC'97.
- General Co-Chair, 1998 IEEE International Performance, Computing and Communications Conference, IPCCC'98.
- General Chair, 1998 Summer Computer Simulation Conference, SCSC'98.
- General Founding Chair, 1998 IEEE/SCS Symposium on Performance of Computer and Telecommunication Systems, SPECTS'98.
- Panel Chair, 1998 IEEE International Conference on Computer Communications and Networks, IC3N'98.
- Advisory Committee Member, IEEE International Performance, Computing and Communications Conference, IPCCC'99, and IPCCC'2k.
- Steering Committee Member, Summer Computer Simulation Conference.
- ACM Distinguished Lecturer, 1996-Present.
- IEEE Computer Society Distinguished Speaker, 1994-1997.

- IEEE Communication Society Distinguished Speaker, 2012-Present.
- Member of the Computing Sciences Accreditation Board/Commission (CSAB/CSAC), 1996-1999.
- Member, Board of Directors, the Society for Computer Simulation International; 1995-2002.
- General Chair, 1999 Summer Computer Simulation Conference, SCSC'99.
- General Chair and Steering Committee Chair, Symposium on Performance Evaluation of Computer and Telecommunication Systems, from 1999-Present.
- Associate Vice President for Conferences, the Society for Computer Simulation International.
- Steering Committee Chair, 2000 Summer Computer Simulation Conference, SCSC'00.
- Vice Chair, 2001 International Conference on Parallel Processing, ICPP-01.
- Steering Committee Chair, Summer Computer Simulation Conference, SCSC'01.
- Member, International Advisory Board, 2001 IEEE Malaysian International Conference on Communications, MICC2001.
- Advisor, UN 2002 Digital Inclusion Workshop-The Role of Information and Communications Technology.
- Distinguished Lecturer of ACM, 1995-Present.
- Distinguished Lecturer of SCS, 2005-Present.
- Chair, International Advisory Committee, 2003 and 2007 IEEE International Conference on Electronics, Circuits and Systems, ICECS2003, and ICECS 2007.
- General Chair, IEEE 2005 International Conference on Electronics, Circuits and Systems, ICECS 2005, Tunis, Tunisia, Dec 2005.
- Honorary General Chair, IEEE International Joint Conference on E-Business and Telecommunications, ICETE 2006, Setubal, Portugal.
- General Chair, 2006 International Symposium on Ad hoc and Ubiquitous Computing (ISAHUC 2006), Surathkal, Mangalore, India, December 2006.
- General Chair, IEEE International Conference on Computer Systems and their Applications, AICCSA 2007, Amman, Jordan.
- General Co-Chair, IEEE International Joint Conference on E-Business and Telecom-

munications, ICETE 2007, Barcelona, Spain, July 2007.

- Program Co-Chair, IEEE International Conference on Wireless Information Systems and Networks, WINSYS 2007.
- General Co-Chair, IEEE International Joint Conference on E-Business and Telecommunications, ICETE 2008, Porto, Portugal, July 2008.
- Program Co-Chair, IEEE International Conference on Wireless Information Systems and Networks, WINSYS 2008.
- Evaluator for the Computer Science Program at the Islamic International University-Malaysia (IIUM), 2007.
- Steering Committee Member, International Symposium on Multimedia – Applications and Processing, MMAP; 2008-Presnet.
- Steering Committee Member, IEEE/ACS International Conference on Computer Systems and Applications, AICCSA.
- General Co-Chair, Intentional Workshop on Broadband Wireless Internet Access (BWIA 2008), Avignon, France, October 2008.
- General Co-Chair, IEEE International Joint Conference on E-Business and Telecommunications, ICETE 2009, Milan, Italy, 2009.
- General Chair, IEEE International Conference on Computer Systems and Applications, Rabat, Morocco, AICCSA 2009, May 2009.
- Steering Committee Member, The 3rd IEEE International Workshop on Web and Pervasive Security (WPS 2009) Held in Conjunction with Percom 2009, Galveston, Texas, USA, 9-13 March, 2009
- General Co-Chair, IEEE International Joint Conference on E-Business and Telecommunications, ICETE 2008, Porto, Portugal, 2008.
- Steering Committee Member, 2008 International Symposium on Modeling, Assembly and Management for Service Oriented Engineering (MamSOE 2008), Dec 2008.
- General Co-Chair, IEEE International Joint Conference on E-Business and Telecommunications, ICETE 2008, Porto, Portugal, 2008.
- Steering Committee Chair, International Conference on Information Technology, ICIT 2009, Amman, Jordan.
- General Co-Chair, IEEE GLOBCOM 2010 Communications Software, Services, and Multimedia Applications, (CSSMA 2010) Symposium.
- General Chair, 2010 IEEE International Conference on Telecommunications and E-

Business, 0, Athens, Greece.

- Program Chair, 2010 IEEE International Conference on International Conference on Wireless Information Networks and Systems, WINSYS 2010, Athens, Greece.
- Program Chair, 2010 IEEE International Conference on International Conference on International Conference on Data Communication Networking, DCNET 2010, Athens, Greece.
- Vice Chair, The 24th IEEE International Conference on Advanced Information Networking and Applications (AINA 2010), Perth, Western Australia, April 2010.
- Member of International Advisory Board, 2010 IFIP International Conference on Wireless Communications and Information Technology in Developing Countries, WCITD 2010.
- Honorary Conference Chair and Chair of the Advisory Committee, 2010 International Conference on Wireless Information Networks and Business information System, WINBIS 2010.
- Steering Committee Member, 2010 IEEE International Symposium on Wireless and Pervasive Computing (ISWPC).
- Member of International Advisory Board, IEEE GLOBECOM 2010 Workshop on Web and Pervasive Security
- General Chair, 2011 IEEE International Conference on Telecommunications and E-Business, ICETE 2011, Seville, Spain.
- Program Chair, 2011 IEEE International Conference on International Conference on Wireless Information Networks and Systems, WINSYS 2011, Seville, Spain, 2011.
- Program Chair, 2011 IEEE International Conference on International Conference on International Conference on Data Communication Networking, DCNET 2011, Seville, Spain, 2011.
- Member of International Advisory Board, FTRA 2011 International Conference on International Technology Convergence and Services (ITCS 2011).
- Honorary Conference Chair and Steering Committee Chair, 2011 International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2011.
- Chair of the International Advisory Committee, 2011 International Conference on Information Technology, ICIT 2011.
- Member of International Advisory Board, Future Technology Research Association, FTRA, 2009-Present.

- Member of International Advisory Board of Human-centric Computing and Information Sciences Journal, Springer, 2010-Present.
- Member of the Steering Committee of the IEEE Australasian Telecommunication Networks and Applications (ATNAC 2011) conference.
- Chair, Steering Committee of the 2011 International Conference on Computer Science and its Applications (CSA-11), Jeju, South Korea, 2011.
- General Co-Chair, 2011 FTRA International World Convergence Conference (FTRA WCC 2011), South Korea, 2011.
- Founder and Steering Committee Chair, IEEE International Conference on Computer, Information and Telecommunication Systems, CITS.
- General Chair, 2012 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2012, Amman, Jordan.
- Founder and Steering Committee Chair, IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS. 1998-Present.
- General Chair, IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS, 1998-2009.
- Honorary General Chair, IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS, 2009-Present.
- Received the IEEE Communications Society's Outstanding Leadership Award for Distinguished Contribution and Leadership to IEEE GLOBECOM-Communication Software, Services, and Multimedia Applications (CSSMA) Symposium, Dec 2012.
- Member of the Advisory Board of the College of Information Technology, Hashemite University, Jordan, 2011-Present.
- International Advisor, National Center for the Security and Assurance of Information and Communications Systems, Hashemite University, Jordan, 2011.
- International Advisor, National Center for Micro Systems, Hashemite University, Jordan, 2011.
- Received the Best Paper Award from the IEEE International Conference on Data Communication Networking, DCNET 2011; paper title: "COMPUTATIONAL INTELLIGENCE APPLIED TO WILDFIRE PREDICTION USING WIRELESS SENSOR NETWORKS."
- General Chair, 2012 IEEE International Conference on Telecommunications and E-Business, ICETE 2012, Rome, Italy.

- Program Chair, 2012 IEEE International Conference on International Conference on Wireless Information Networks and Systems, WINSYS 2012, Rome, Italy.
- Program Chair, 2012 IEEE International Conference on International Conference on International Conference on Data Communication Networking, DCNET 2012, Rome, Italy, 2012.
- General Chair, 2012 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Rome, Italy, July 2012.
- Honorary General Chair, 2012 IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2012, Genoa, Italy 2012.
- Honorary Conference Chair, Asia Simulation Conference (AsiaSim'2012) and the International Conference on System Simulation and Scientific Computing (ICSC'2012), October 2012, Shanghai, China.
- Chair, International Advisory Board, The 2012 FTRA International Conference on Advanced IT, engineering and Management (AIM-12), Seoul, Korea, Feb. 6-8, 2012.
- Steering Committee Member, 2012 FTRA World Convergence Conference (FTRA WCC 2012), Jeju, Korea, Nov 2012.
- Steering Committee Chair, 2012 International Conference on Ubiquitous Information Technologic & Applications, CUTE 2012, Hong Kong, China, Dec 2012.
- Advisory Committee Chair, 2012 IEEE International Conference on Internet of Things, iThings 2012, Besançon, France, September 2012
- General Chair, 12th IEEE International Conference on Scalable Computing and Communications, (ScalCom-2012), December, 2012, Changzhou, China
- General Chair, 2013 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Reykjavik, Iceland, July 2013.
- General Chair, 2013 IEEE International Conference on Telecommunications and E-Business, ICETE 2013, Reykjavik, Iceland, July 2013.
- Program Chair, 2013 IEEE International Conference on International Conference on Wireless Information Networks and Systems, WINSYS 2013, Reykjavik, Iceland, July 2013.
- Program Chair, 2013 IEEE International Conference on International Conference on International Conference on Data Communication Networking, DCNET 2013, Reykjavik, Iceland, July 2013.

- General Chair, 2013 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2013, Piraeus-Athens, Greece, may 2013.
- Honorary General Chair, 2013 IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2013, Toronto, Canada, 2013.
- General Co-Chair, 10th FTRA International Conference on Secure and Trust Computing, data management, and Applications (STA 2013), Fukouka, Japan, July, 2013.
- Member, International Advisory Board, Hashemite University, Jordan, 2012- Present.
- General Chair, 12th IEEE International Conference on Scalable Computing and Communications, (ScalCom-2012), Changzhou, China, Dec 2012.
- Steering Committee Chair, 2013 FTRA International Conference on Computer Science and its Applications (CSA-14)
- General Chair, 2014 IEEE International Conference on Telecommunications and E-Business, ICETE 2014, Vienna, Austria, August 2014.
- Honorary General Chair, 2014 IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2014, Monterey, CA, USA.
- General Chair, 2014 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Vienna, Austria, August 2014.
- General Chair, 2014 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2014, Jeju Island, South Korea, July 2014.
- General Chair, 2014 IEEE International Conference on Computer and Information Technology (CIT 2014), Xi'an, China, September 2014.
- Steering Committee Member/Organizing Committee Member, The 2014 International Conference on Computational Science and Computational Intelligence (CSCI'2014).
- Vice Chair, 2014 IEEE International Conference on Parallel and Distributed Systems, ICPDS 2014, Dec 2014, Hsinchu, Taiwan
- General Chair, 2015 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Colmar, France, July 2015.
- Honorary General Chair, 2015 IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2015, Chicago, IL, USA, July 2015.

- General Chair, 2015 IEEE International Conference on Telecommunications and E-Business, ICETE 2015, Colmar, France, 2015.
- General Chair, 2015 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2015, Gijon, Spain, July 2015.
- Steering Committee Member/Organizing Committee Member, The 2015 International Conference on Computational Science and Computational Intelligence (CSCI'2015).
- General Chair, 2015 IEEE International Conference on Internet of Things, Sydney, Australia, iTHINGS 2015, Dec 2015.
- Honorary Program Chair, IPAC'2015 International conference
- Advisory Board Member, 2015 International Conference on Signal, Networks, Computing, and Systems (ICSNCS 2015).
- General Chair, 2017 International Conference on Platform Technology and Service
- Honorary General Chair, 2016 IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2015, Montreal, Canada, July 2016.
- General Chair, 2016 IEEE International Conference on Telecommunications and E-Business, ICETE 2016, Lisbon, Portugal, 2016.
- General Chair, 2016 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2016, Kunming, China, July 2016.
- General Chair, 2016 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Lison, Portugal, 2016.
- General Chair, 2017 International Conference on Platform Technology and Service, Busan, Korea, Feb 2017.
- Honorary General Chair, 2017 IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2017, Seattle, USA, July 2017.
- General Chair, 2017 IEEE International Conference on Telecommunications and E-Business, ICETE 2017, Madrid, Spain 2017.
- General Chair, 2017 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2017, Dalian, China, July 2017.
- General Chair, 2017 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Madrid, Spain, 2017.
- Program Chair, IEEE International Conference on Mathematics and Computing, Hadia,

India, Jan 2017.

- Advisory Board Member, 2017 International Conference on Computing And Communication Technologies, 2017.
- General Chair, 2017 IEEE International Conference on Platform Technology and Service, PlatCon-2017, Busan, Korea, February 2017.
- Honorary and Appreciation Award, PLatCon-17, 2017.
- General Chair, 2017 IEEE Future Technology Conference, FTC 2017, Vancouver, Canada, November 2017.
- IEEE CITS Hall of Fame and Distinguished Achievement Award, 2017.
- Honorary Distinguished Professor, The Amity University, 2017.
- Honorary General Chair, 2018 International Conference on Selected Topics in Mobile and Wireless Networking, MoWNet 2018, Tangier, Morocco, June 2018.
- Honorary General Chair, 2018 International Conference on Universal Computing, Communications and Data Engineering, UNICODE-2018, Tirupati, India, Feb 2018.
- Honorary General Chair, 2018 IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2018, Bordeaux, France, July 2018.
- General Chair, 2018 IEEE International Conference on Telecommunications and E-Business, ICETE 2018, Porto, Portugal 2017.
- General Chair, 2018 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2018, Colmar, France July 2018.
- General Chair, 2018 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Porto, Portugal 2018.
- General Chair, 2018 International Conference on Pervasive and Embedded Computing and Communication Systems, PECCS 2018, Porto, Portugal, 2018.
- General Chair, 2018 IEEE International Conference on Parallel, Distributed and Grid Computing (PDGC'2018), India, Dec 2018.
- Advisory Committee, 2019 IEEE International Conference on Internet of Vehicles (IOV 2019), Taiwan, Nov 2019.
- General Chair, 2019 International Conference on Computing, Communication and Data Engineering, CODE 2019, Tirupati, India, Feb 2019.

- General Chair, 2019 IEEE International Conference On Internet of Things: Smart Innovation and Usages (IoT-SIU 2019), Ghaziabad, Uttar Pradesh, India, April 2019.
- Honorary General Chair, 2019 IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2019, Berlin, Germany, July 2019.
- General Chair, 2019 IEEE International Conference on Telecommunications and E-Business, ICETE 2019, Prague, Czech Republic, July 2019.
- General Chair, 2019 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Prague, Czech Republic, July 2019.
- General Chair, 2019 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2019, Beijing, China, August 2019.
- General Chair, 2019 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Prague, Czech Republic, July 2019.
- Member of the Advisory Board, Advisory Board of the PhD program in Science and Technology for Electronic and Telecommunication Engineering, University of Genoa, Italy.
- Honorary Chair, 2020 IEEE International Conference on Evolving Technologies for Computing, Communication and Smart World (ETCCS-2020).
- General Chair, 2020 IEEE International Conference on Telecommunications and E-Business, ICETE 2020, Paris, France, July 2020.
- General Chair, 2020 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Paris, France, July 2020.
- General Chair, 2020 International Conference on Communications, Computing, Cybersecurity and Informatics, CCCI 2020, Sharjah, UAE, Nov 2020.
- General Chair, 2020 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2020, Hangzhou, China, May 2020.
- Honorary General Chair, 2020 IEEE /SCS International Symposium on Performance Evaluation of Computer and Telecommunications Systems, SPECTS 2020, 2020.
- General Chair and Chief Guest 2020 International Conference on Computing, Communications and Data Engineering, Nov 2020.
- Chief Guest, 2020 IEEE International Conference on Computing, Communications and Automation, ICCCA 2020, Oct 2020.

- General Chair and Founder, International Symposium on E-Commerce and Cybersecurity, SEC 2020, Nov 2020.
- General Chair, 2021 International Conference on Communications, Computing, Cybersecurity and Informatics, CCCI 2020, Beijing, China, Oct 2021.
- General Chair, 2021 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2021, Istanbul, Turkey, July 2021.
- Honorary General Chair, 2021 IEEE /SCS International Symposium on Performance Evaluation of Computer and Telecommunications Systems, SPECTS 2021, 2021.
- Chief Guest, 2021 International Conference on Networks and Cryptology, NetCrypt 2020, Dec 2020.
- Honorary Chair, 2021 International Conference on Artificial Intelligence and Sustainable Computing for Smart City, AIS2C2 2021, Greater Noida, India, March 22–23, 2021.
- Featured Author of the Month, IEEE, April 2022.
<https://ieeexplore.ieee.org/Xplore/home.jsp>
- International Advisory Board Member, 2022 International Conference in Electronics and Communication Engineering, ICIEC 2022, Aug 2022.
- General Chair, 2022 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2022, Piraeus, Athens, Greece, July 2022.
- General Chair, 2022 International Conference on Communications, Computing, Cybersecurity and Informatics, CCCI 2022, Dalian, China, Oct 2021.

Professional Experience:

Feb 2022-Presnet	Honorary Distinguished Professor, <i>King Abdullah II School of Information Technology, The University of Jordan, Amman, Jordan</i>
Fall 2021-Fall 2022	Distinguished Professor at Indian Institute of Technology-Dhanbad, and University of Jordan
Fall 2018- Fall 2021	Dean and Professor, College of Computing and Informatics, University of Sharjah, UAE
Fall 2016-2019	Tenured Full Professor, King Abdullah II School of Information Technology, University of Jordan, Jordan- was On Leave from Fordham University,
2016-Presnet	Honorary Distinguished Professor, The Amity University-A Global University, India

2017-Present	PR of China Ministry of Education Honorary Distinguished Overseas Professor, University of Science and Technology, Beijing, China
1996- 2016	Tenured Professor and Chair, Department of Computer Science (CS) and later the Department of Computer Science & Software Engineering, Monmouth University, NJ, USA. <u>Also, Served as Chair of the CS Department</u>
2013-2014	Dean, College of Engineering, Prince Sultan University, Riyadh, Saudi Arabia- On Leave from Monmouth University
2009-2011	President and Chair of the Board of Directors, The Society for Modeling and Simulation International, SCS.
2007-2009	Senior Vice President, The Society for Modeling and Simulation International, SCS.
2007-2009	Vice President for Membership, The Society for Modeling and Simulation International, SCS.
2004-2007	Vice President for Conferences, The Society for Modeling and Simulation International, SCS.
2004- 2005	Advisor to the President of Philadelphia University, Dr. Adnan Badran, (Became the Prime Minister of Jordan in April 2005) and Fulbright Distinguished Professor, Jordan- On Leave from Monmouth University
1992-1996	Associate Professor, Department of Electrical Engineering, City University of New York (CUNY), The City College of New York.
Fall 1989-Fall 1992	Ass. Professor and Director of the Computer Engineering Research Laboratory, Department of Electrical and Computer Engineering University of Missouri-Columbia, Truman Campus.
Summer 1986-Fall 989	Assistant Professor, Department of Electrical Engineering, Jordan University of Science and Technology, Irbid, Jordan.
1987 Summer	Visiting Researcher, Ohio State University, Department of Electrical Engineering. Conducted Research on Performance Evaluation of Computer Systems and Networks.
1981-1986	Graduate Research Assistant, Department of Electrical Engineering and College of Pharmacy/Image Processing Group, Ohio State University. Conducted Research on Computer Architecture, Networks and Image Processing.

Editorship:

- Founding Editor-in-Chief, Wiley Journal of Security and Privacy- 2017- Present
- Editor-in-Chief, International Journal of Communication Systems, Wiley, October 1997- Present. IF= 2.047.

- Editor-in-Chief, Journal of Convergence, FTRA, 2010-Present.
- Editor-in-Chief, Journal of Information Processing, KIPS, 2011-Present.
- Executive Editor, International Journal of Computer & Software Engineering, Graphy Publications, 2019-Present.
- Editor, IEEE Transactions on Sustainable Computing. IF= 5.4.
- Editor, IEEE Wireless Communications. IF = 8.972.
- Editor, IEEE Systems Journal. IF = 4.463.
- Editor, IET, Wireless Sensor Systems.
- Editor, SIMULATION: Transactions of The Society for Modeling and Simulation monthly Journal
- Editor, Journal for Defense Modeling and Simulation: Applications, Methodology, Technology, SCS, 2003-Present.
- Editor, International Journal of Communication Networks and Distributed Systems, IJCNDS, 2006-Present.
- Editor, Computer Communications Journal, Elsevier. IF = 3.338.
- Editor, Journal of Supercomputing, Springer. IF= 1.326.
- Editor, Journal of Computers and Electrical Engineering, Elsevier, 1991-2014.
- Editor, Journal of Communications, The Academy Publisher, 2006-Present.
- Editor, Journal of Networks, The Academy Publisher, 2008-Present.
- Editor, International Journal of Sciences and Computer Engineering, 2009-Present.
- Editor, Research Reports on Computer Science, Universal Wiser Publisher, 2021-Present
- Advisory Editor, Human-centric Computing Technology and Information Sciences (HCIS) Journal, Springer.
- Advisory Editorial Board Member, Security and Communication Networks Journal, 2007-Present, Wiley (Founding Member). IF= 1.067.
- Advisory Editorial Board, Industrial Networks and Intelligent Systems Journal.
- Advisory Editorial Board Member, ICST Transactions on Industrial Networks and Intelligent Systems (Founding Member).
- Advisory Editorial Board Member, Computers Research Today Journal, 2010-Present, Mili

Publishers.

- Advisory Editor, Intentional Journal of ACM Jordan, 200-Present.
- Member of the Editorial Advisory Board, Simulation: Transactions of the Society for Modeling and Simulation International, SCS, 2005-2009.
- Member of International Advisory Board of Human-centric Computing and Information Sciences Journal, Springer, 2010-Present.
- Advisory Editorial Board Member, International Journal of Information Technology, Communications and Convergence, IJITCC, Journal, Inderscience, 2009-Present (Founding Member).
- International Advisory Board Member, International Journal of Wireless Networks and Broadband Technologies, 2009-Present.
- Member of the Editorial Advisory Board, International Journal of BioSciences and Technology, 2008-Present.
- Associate Editor, IEEE Transactions on Systems, Man, and Cybernetics, Part A: Systems and Humans; 1992-2008.
- Associate Editor, IEEE Transactions on Systems, Man, and Cybernetics, Part B: Cybernetics; 1992-Present.
- Member of the Editorial Board, Journal of Computer Science and Engineering, Philips Publishing, NJ, USA; 2007-Present.
- Associate Editor, IEEE Transactions on Systems, Man, and Cybernetics, Part Applications and Reviews, 1992-2004.
- Area Editor for the Telecommunications and Networking Area, Simulation: Transactions of the Society for Modeling and Simulation International, Sage and SCS (2001-2005).
- Editorial Advisory Board Member, International Journal of Information Technology, Communications and Convergence (IJITCC), Inderscience, 2009-Present.
- Editorial Board Member, International Journal of Bioinformatics & Biological Systems (IJBS)
- Member of the Editorial Review Board, IEEE Transactions on Instrumentation and Measurement, 1992-1999.
- Member of the Editorial Board, ACM Applied Computing Review, 1992-1999.
- Member of the Editorial Board, International Arab Journal on Information Technology, 2001-Present.

- Member of the Editorial Board of the International Journal of Information Sciences and Computer Engineering (IJISCE), 2009-Present.
- Advisory Editor, Human-centric Computing and Information Sciences (HCIS) Journal, Springer, 2011-Present.
- Guest Editor, Special Issue on High Performance Computing/Computers, The Society for Computer Simulation monthly journal SIMULATION, Vol. 61, No. 3, September 1993.
- Guest Editor, Special Issue on High Speed Networking, The Society for Computer Simulation monthly Journal, SIMULATION, Vol. 64, No.1, January 1995.
- Guest Editor, Special Issue on Modeling and Simulation of Computer Systems and Networks, Part I: Networks, The Society for Computer Simulation monthly Journal, SIMULATION, Vol. 68, No. 1, January 1997.
- Guest Editor, Special Issue on Modeling and Simulation of Computer Systems and Networks, Part II: Computer Systems, The Society for Computer Simulation monthly Journal, SIMULATION, Vol. 68, No. 4, April 1997.
- Guest Editor, Special Issue on Performance Evaluation Issues and Applications in Telecommunications Systems, Computer Communications Journal, Elsevier, March 2001. IF = 3.338.
- Editor, Proceedings of the 1997 SCS Summer Computer Simulation Conference, 957 Pages, SCS, 1997.
- Editor, Proceedings of the 1998 SCS Summer Computer Simulation Conference, 696 Pages, SCS, 1998.
- Editor, Proceedings of the 1998 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'98, 352 Pages, SCS, 1998.
- Guest Editor, IEEE Transactions on Systems, Man and Cybernetics, Part: B, on the Applications of Neural Networks to Systems, Man and Cybernetics, Vol. 28, NO. 4, August 1998. IF = 7.384
- Guest Editor, Special Issue of the International Journal of Communication Systems on Performance Evaluation of ATM Systems, Wiley, July/August 1998. IF= 1.717
- Guest Editor, Simulation Journal, Special Issue on the Performance Evaluation of Computer Systems and Networks, The Society for Computer Simulation, May 1998.
- Guest Editor, Journal of Computers & Electrical Engineering, Elsevier, Special Issue on Performance Evaluation of High-Performance Computer Systems, Elsevier, May 1999.
- Editor, Proceedings of the 1999 SCS Summer Computer Simulation Conference, 656 Pages, SCS, 1999.

- Editor, Proceedings of the 1999 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'99, 414 Pages, SCS, 1999.
- Editor, Proceedings of the 2000 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'00, 570 Pages, SCS, 2000.
- Editor, Proceedings of the 2001 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'01, 634, Pages, SCS, 2001. (With Franco Davoli as Co-Editor)
- Guest Editor, Special Issue of the Computer Communications Journal on the Performance Evaluation of Telecommunication Systems: Models, Issues and Applications, Elsevier, May 2001. IF = 3.338.
- Guest Editor (with G. I. Papadimitriou and A. S. Pomportsis), Special Issue of the International Journal of Communication Systems on Advances in Optical Network: Architectures, Performance and Protocols, Wiley, December 2001. IF= 1.717
- Guest Editor, Special Issue of the Transactions of the Society for Computer Simulation on the Performance Modeling and Simulation of ATM Systems and Networks, Part I, Vol. 78, No. 3, March 2002.
- Guest Editor, Special Issue of the Transactions of the Society for Computer Simulation on the Performance Modeling and Simulation of ATM Systems and Networks, Part II, Vol. 78, No. 4, April 2002.
- Guest Editor (with G. I. Papadimitriou and A. S. Pomportsis), IEEE Transactions on Systems, Man and Cybernetics, Part: B, on Learning Automata: Theory, Paradigms and Applications, Vol. 32, No. 6, December 2002. IF = 7.384
- Guest Editor, Special Issue of Computer Communication Journal on Advances in Performance Evaluation of Computer and Telecommunications Networking, Vol. 25, Issues 11-12, July 2002. IF = 3.338.
- Editor, Proceedings of the 2002 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'02, 989 Pages, SCS, 2002. (With Franco Davoli, Ibrahim Onyuksel and Raffaele Bolla as Co-Editors).
- Guest Editor, Special Issue of Computer Communication Journal on Recent Advances in Communications Networking, Vol. 26, No. 15, September 2003. IF = 3.338.
- Co-Guest Editor, Special Issue of Performance Evaluation Journal on Performance Modeling and Evaluation of High-Performance Parallel and Distributed Systems, Elsevier, 2004.
- Editor, Proceedings of the 2003 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'03, 989 Pages, SCS, 2003. (With Franco Davoli, Erina Ferro, and Ibrahim Onyuksel as Co-Editors).

- Guest Editor, Special Issue of Computer Communication Journal on Recent Advances in Computer Communications, September 2004. IF = 3.338.
- Editor, Proceedings of the 2004 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'04, 959 Pages, SCS, 2004. (With Abbas Jamalipour, and Franco Davoli as Co-Editors).
- Editor, Proceedings of the 2005 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'05, 962 Pages, SCS, 2005. (With Mario Marches, and Franco Davoli as Co-Editors).
- Guest Editor, Special Issue Computer Communication Journal on Performance Evaluation of Wireless Networks and Communications, Elsevier, Vol. 29, No. 8, May 2006. IF = 3.338.
- Guest Editor, Special Issue Simulation: Transactions of the Society for Modeling and Simulation International on Performance Evaluation of Wireless Systems, SCS, 2005.
- Guest Editor, Special Issue of Computers & EE Journal on Recent Advances in Wireless Networks and Systems, Elsevier, Vol. 32, Nos. 1-3, January –May 2006.
- Guest Editor, Special Issue Computer Communication Journal on Advances in Computer Communication Networks, 2006. IF = 3.338.
- Editor, Proceedings of the 2006 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'06, 630 Pages, SCS, 2006. (With Franco Davoli, Jose Marzo, and Ljiljana Trakovic as Co-Editors).
- Editor, Proceedings of the 2006 International Conference on E-Business (ICE-B)-Part of IEEE ICETE 2006, 328 Pages, 2006. (With Joaquim Filipe and Thomas Greene).
- Guest Editor, Special Issue Simulation: Transactions of the Society for Modeling and Simulation International on Recent Advances in Modeling and Simulation of Network Systems, SCS, Vol. 82, No. 6, June 2006.
- Guest Editor, Special Issue Computer Communication Journal on Advances in Performance of Communication Networks,” to appear in July 2007. IF = 3.338.
- Guest Editor, Special Issue of IEEE Systems Journal on “Recent Advances in Global Navigation and Communication Satellite Systems (GNSS)” Vol. 2, No. 1, March 2008. IF = 4.3373.882.
- Co-Editor, Proceedings of the 2006 International Symposium on Ad hoc and Ubiquitous Computing (ISAHUC 2006), Surathkal, Mangalore, India, Dec. 20-23. Published as a book by IEEE Press, 2007.
- Editor, Proceedings of the 2007 International Conference on E-Business (ICE-B)-Part of IEEE ICETE 2007, 366 Pages, 2007. (With Joaquim Filipe).

- Editor, Proceedings of the 2007 International Conference on Security and Cryptography, SCRYPT 2007, Part of IEEE ICETE 2007, 434, (With Joaquim Filipe).
- Editor, Proceedings of the 2007 International Conference on Wireless Information Networks and Systems, WINSYS 2007, Part of IEEE ICETE 2007, 320 Pages, 2007. (With Joaquim Filipe).
- Editor, Proceedings of the 2007 International Conference on Signal Processing and Multimedia Applications, SIGMAP 2007, Part of IEEE ICETE 2007, 471Pages, 2007. (With Joaquim Filipe).
- Editor, Proceedings of the 2007 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'07, 620 Pages, SCS, 2007. (With Jose
- Marzo, and Ljiljana Trajkovic as Co-Editors).
- Guest Editor, Special Issue Simulation: Transactions of the Society for Modeling and Simulation International on Advances in Performance Evaluation of Computer and Telecommunication Systems, SCS, Vol. 83, No.2, February 2007.
- Guest Editor, Special Issue of IEEE Wireless Communications on "Medium Access Control Protocols for Wireless LANs", Dec 2008. IF = 8.972.
- Guest Editor, Special Issue of IEEE Systems Journal on: "Recent Advances in Global Navigation and Communication Satellite Systems (GNSS)," Vol. 2, No. 1, March 2008. IF = 4.463.
- Guest Editor, Special Issue Computer Communication Journal on Performance Evaluation of Communication Networks," Vol. 31, No. 16, October 2008. IF = 3.338.
- Guest Editor, Special Issue Simulation: Transactions of the Society for Modeling and Simulation International on Modeling and Simulation of Computer and Telecommunication Systems, SCS, 2008.
- Guest Editor, Special Issue of the Wiley Security and Communications Networks Journal on "Security in Wireless Sensor Networks," December 2008. IF = 1.067.
- Guest Editor, Special Issue of the International Journal of Communication Networks and Distributed Systems (IJCND) on the Techniques and Protocols for Merging Wireless and Mobility Services 3rd Quarter 2009.
- Guest Editor, Special Issue Simulation: Transactions of the Society for Modeling and Simulation International on Advances in Performance Evaluation of Computer and Telecommunication Systems, SCS, 2009.
- Guest Editor, Special Issue of the International Journal of Communication Networks and Distributed Systems (IJCND) on Performance Evaluation of Computer Networks and Parallel Systems, 3rd Quarter 2009.

- Guest Editor, Special Issue of the IEEE Transactions on Systems, Man and Cybernetics (SMC)- Part B on International Journal of Communication Networks and Distributed Systems (IJCND) on Adaptive and Learning Systems, 2009. IF = 7.384
- Editor, Proceedings of the 2008 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'08, 650 Pages, SCS, 2008. (With Jose Marzo, and Helena Szczerbicka as Co-Editors).
- Editor, Proceedings of the 2009 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'09, 620 Pages, SCS, 2009. (With Jose Marzo, and Sevi Sevillano as Co-Editors).
- Editor, Proceedings of the 2008 International Conference on Wireless Information Networks and Systems, WINSYS 2008, Part of IEEE ICETE 2008, 350 Pages, 2008. (With Rafael Caldeirinha).
- Editor, Proceedings of the 2009 International Conference on Wireless Information Networks and Systems, WINSYS 2009, Part of IEEE ICETE 2009, 2009, (With Rafael Caldeirinha).
- Guest Editor, Special Issue of the Journal of Networks, (JNW) on Performance Evaluation of Computer Networks, 3rd Quarter 2009.
- Guest Editor, Special Issue Simulation: Transactions of the Society for Modeling and Simulation International on Advances in Performance Evaluation of Computer Systems and Networks, SCS, 2010.
- Guest Editor, Special Issue/Fast Track, Computer Communications Journal on Performance Evaluation of Computer and Communication Systems, Elsevier, 2010. IF = 3.338.
- Editor, Proceedings of the 2010 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS'10, 451 Pages, SCS, 2010, (With Jose Marzo, Sevi Sevillano, and Rafael Bola as Co-Editors). ISBN: 978-1-56555-341-5.
- Guest Editor, Special Issue of the Journal of Networks, (JNW) on Performance Evaluation of Communication Networking, 2010.
- Guest Editor, Special Issue of the Journal of Internet Technology, JIT, on Performance Evaluation of Computer Systems, 2011.
- Editor, Proceedings of the 2011 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS' 2011, SCS. (With Sevi Sevillano, and Rafael Bola as Co-Editors).
- Editor, Proceedings of the International Conference on Data Communication Networking and International Conference on Optical Communication Systems, DCNET & OPTICS, SciTePress 2011. (with José Luis Sevillano, and Eusebi Calle Ortega).
- Editor, Proceedings of the International Conference on Wireless Information Networks and

Systems, WINSYS, SciTePress 2011. (With Rafael F. S. Caldeirinha).

- Editor, Proceedings of the 2012 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS' 2012.
- Guest Editor, Special Issue of the Journal of Networks, (JNW) on Performance Evaluation of Computer Networks, 2012.
- Guest Editor, Special Issue of the IET Communications on Energy-Aware Wireless Network Protocols," 2012. (With Petros Nicopolitidis and Sanjay K. Dhurandher). IF= 1.061.
- Guest Editor, Special Issue of International Journal of Computer Mathematics, Taylor & Francis, Advanced Computer Mathematics based Cryptography and Security Technologies, 2013.
- Guest Editor, Special Issue of the Journal of Networks, (JNW) on Selected Papers from ICETE 2013.
- Editor, Proceedings of the 2013 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS' 2013.
- Guest Editor, Special Issue of the Journal of Networks, (JNW) on Selected Papers form SIMULTECH 2013.
- Guest Editor, Special Issue of the Journal of Simulation (JoS) on Challenges in Modeling and Simulation, 2013.
- Guest Editor, Special Issue of the Journal of Security and Communications Networks, Wiley, 2014. IF = 1.067.
- Guest Editor (with Robert Hsu) of the Special Issue of Journal of Information System Frontiers (Springer) on Dynamic Intelligence Towards Merging Cloud and Communication Services.
- Guest Editor (with J. Park and V. Loia of the Special Issue of Journal of Systems Architectures on Smart devices and Spaces for Pervasive Computing, Elsevier, Volume 60, No. 8, September 2014.
- Guest Editor, Special Issue of the Journal of Networks, (JNW) on Selected Papers from CITS 2015.
- Guest Editor with James Park and Han-Chieh Chao, Special issue of Springer Wireless Personal Communications journal on User Experience and Quality-of-Service in Internet of Things: Practice and Trends, Vol. 91, Dec 2016.
- Editor, Proceedings of the 2013 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS' 2013.
- Editor, Proceedings of the 2014 Symposium on Performance Evaluation of Computer and

Telecommunication Systems, SPECTS' 2014.

- Editor, Proceedings of the 2015 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS' 2015.
- Editor, Proceedings of the 2016 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS' 2016.
- Editor, Proceedings of the 2017 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS' 2017.
- Editor, Proceedings of the 2018 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS' 2018.
- Editor, Proceedings of the 2019 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS' 2019.
- Editor, Proceedings of the 2020 Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS' 2020.
 - Editor, Proceedings of the 10th International Conference on Simulation and Modeling Methodologies, Technologies and Applications, SIMULTECH 2020.
 - Editor, Proceedings of the 17th International Conference on Security and Cryptography, SECRIPT 2020.
 - Editor, Proceedings of the 17th International Conference on e-Business, ICE-B 2020.
 - Editor, Proceedings of the Proceedings of the 17th International Joint Conference on e-Business and Telecommunications- DCNET, OPTICS, SIGMAP and WINSYS, INSTICC, 2020.
 - Editor, " Proceedings of the 16th International Joint Conference on e-Business and Telecommunications, ICETE 2019 - Volume 2, 2019.
 - **Editor**, Proceedings of the 16th International Joint Conference on e-Business and Telecommunications, 2019, ICETE 2019, Volume 2, 2019.
 - **Editor**, Proceedings of the 9th International Conference on Simulation and Modeling Methodologies, Technologies and Applications," SIMULTECH 2019.
 - **Editor**, Proceedings of the 2018 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2018.
 - **Editor**, Proceedings of the 15th International Joint Conference on e-Business and Telecommunications, ICETE 2018.
 - **Editor**, Proceedings of 8th International Conference on Simulation and Modeling

Methodologies, Technologies and Applications, SIMULTECH 2018.

- **Editor**, Proceedings of the 8th International Joint Conference on Pervasive and Embedded Computing and Communication Systems, PECCS 2018.
- **Editor**, Proceedings of the 15th International Joint Conference on e-Business and Telecommunications, ICETE 2018 - Volume 1.
- Editor, Proceedings of the 14th International Joint Conference on e-Business and Telecommunications (ICETE 2016),” Vol. 1: DCNET.
- **Editor**, Proceedings of the 14th International Joint Conference on e-Business and Telecommunications (ICETE 2017).
- **Editor**, Proceedings of 14th International Joint Conference on e-Business and Telecommunications (ICETE 2017),” Vol. 3: OPTICS.
- **Editor**, Proceedings of the 14th International Joint Conference on e-Business and Telecommunications (ICETE 2017),” Vol. 4: SECYPT 2017.
- **Editor**, Proceedings of the 14th International Joint Conference on e-Business and Telecommunications (ICETE 2017),” Vol. 5: SIGMAP 2017.
- **Editor**, Proceedings of the 2017 International Conference on Simulation and Modeling Methodologies, Technologies and Applications, SIMULTECH 2017.
- **Editor**, Proceedings of the 14th International Joint Conference on e-Business and Telecommunications (ICETE 2017),” Vol. 6: WINSYS.
- **Editor**, Proceedings of the 13th International Joint Conference on e-Business and Telecommunications, Volume 2: ICE-B 2016.
- **Editor**, Proceedings of the 13th International Joint Conference on e-Business and Telecommunications, Volume 3: OPTICS 2016.
- **Editor**, Proceedings of the 13th International Joint Conference on e-Business and Telecommunications, Volume 4: SECYPT 2016.
- **Editor**, Proceedings of the 13th International Joint Conference on e-Business and Telecommunications, Volume 5: SIGMAP 2016.
- **Editor**, Proceedings of the 13th International Joint Conference on e-Business and Telecommunications, Volume 6: WINSYS 2016.
- Editor, Proceedings of the 11th International Conference on Signal Processing and Multimedia Applications, SIGMAP.
- Editor, Proceedings of the 11th International Conference on Security and Cryptography, SECYPT.
- Editor, Proceedings of the 5th International Conference on Optical Communication Systems.
- Editor, Proceedings of the 5th International Conference on Data Communication Networking, DCNET.
- Editor, Proceedings of the 11th International Conference on e-Business, ICE-B.
- **Editor**, Proceedings of the 2nd International Conference on Simulation and Modeling Methodologies, Technologies and Applications, SIMULTECH.
- **Editor**, Proceedings of the 4th International Conference on Data Communication Networking, 10th International Conference on e-Business and 4th International Conference on Optical Communication Systems.

- Editor, Proceedings of the 10th International Conference on Signal Processing and Multimedia Applications and 10th International Conference on Wireless Information Networks and Systems.
- Editor, Proceedings of the 3rd International Conference on Simulation and Modeling Methodologies, Technologies and Applications.
- Editor, Proceedings of the International Conference on Data Communication Networking and International Conference on Optical Communication Systems.
- Editor, Proceedings of the International Conference on Wireless Information Networks and Systems.
- *Editor, Proceedings of the 12th IEEE Int. Conference on Electronics, Circuits, and Systems.*
- *Editor, Proceeding of the 1st Int. workshop Electronic Government and Commerce: Design, Modeling, Analysis and Security (EGCDMAS 2004).*
- Guest Editor, Special Issue of IEEE Access on Security and Privacy for Vehicular Social Networks, 2017
- Guest Editor, Special Issue of Elsevier Computer Communication Journal on Energy-aware Design for Sustainable 5G Networks, 2017. IF = 3.338.
- Guest Editor, Special Issue of IEEE China Communications on Fog Computing Enabled Internet of Everything, March 2019. IF= 1.514.
- Guest Editor, Special Issue of IEEE Internet of Things (IoT) Journal on “Age of Networking and Information in Internet of Medical Things and Its COVID-19 Applications”, 2020.
- Guest Editor, Special Issue of IEEE Access Journal on” Security and Privacy for Vehicular Networks,” 2020.
- Guest Editor, Special Issue of IEEE Transactions on Industrial Informatics on “Pervasive Edge Computing for Industrial Internet of Things,” 2021.

Publications:

A. Contribution to Books (102 Books)

102. Mohammad S. Obaidat, Padmalaya Nayak, and Niranjana Kumar Ray,” Intelligent Computing on IoT 2.0, Big Data Analytics, and Block Chain Technology,” Taylor and Francis (CRC Press), Dec 2022.

101. Agbotiname Imoize, and **Mohammad S. Obaidat** (Editors), “Handbook of Security and Privacy of AI-Enabled Healthcare Systems and Internet of Medical Things,” CRC Press (Francis & Taylor), 2023.

100. Mohammad S. Obaidat, Tuncer I. Ören, Florian De Rango,” Simulation and Modeling Methodologies, Technologies and Applications ,”- 10th International Conference, SIMULTECH 2020, Lieusaint - Paris, France, July 8-10, 2020 Revised Selected Papers. Lecture Notes in Networks and Systems 306, Springer 2022, ISBN 978-3-030-84810-1.

- 99. Mohammad S. Obaidat**, and J. Ben-Othman, " E-Business and Telecommunications," Revised Selected Papers from the 17th International Conference, ICETE, Springer, 2021. Communications in Computer and Information Science Series, ISSN 1865-0929; ISSN 1865-0937 (electronic), ISBN 978-3-030-90427-2 ISBN 978-3-030-90428-9 (eBook)
<https://doi.org/10.1007/978-3-030-90428-9>
- 98. M. S. Obaidat**, " E-Buisness and Telecommunications," Revised Selected Papers from the 16th International Conference, ICETE, Springer, 2020. eBook ISBN: 978-3-030-52686-3. DOI: 10.1007/978-3-030-52686-3.
- 97. Mohammad S. Obaidat**, Tuncer Oren, and Floriano De Rango (Eds.), "Simulation and Modeling Methodologies, Technologies and Applications,"- 8th International Conference, SIMULTECH 2018, Revised Selected Papers, Springer, 2020. ISBN: 978-3-030-35944-7
- 96. M. S. Obaidat**, S. Bilgen, K-F. Hsiao, P. Nicopolitidis, S. Oktug and Y. Guo, (Edss)" Proceedings of the 2021 IEEE International Conference on Computer, Information and Telecommunication Systems, CITS 2021, IEEE, Nov 2021. ISBN: ISBN: 978-1-6654-4913-7.
- 95. M. S. Obaidat**, K-F. Hsiao, P. Nicopolitidis, and Y. Guo, (Edss)" Proceedings of the 2021 IEEE International Conference on Communications, Computing, Cybersecurity and Informatics, CCCI 2021, IEEE, Oct 2021. ISBN: ISBN: 978-1-6654-3208-5
94. P. V. Krishan and **M. S. Obaidat** (Eds.)," Emerging Research in Data Engineering Systems and Computer Communications," Springer 2020. **Print ISBN**978-981-15-0134-0; **Online ISBN**978-981-15-0135-7.
93. F. De Rango, T. Oren and **M. S. Obaidat** (Eds.)," Proceedings of the 10th International Conference on Simulation and Modeling Methodologies, Technologies and Applications, SIMULTECH 2020," INSTICC, 2020. ISSN: 2184-2841, ISBN: 978-989-758-444-2.
92. P. Samarati, S. di Vimercati, **M. S. Obaidat** and J. Ben-Othman (Eds.)," Proceedings of the 17th International Conference on Security and Cryptography, SECRYPT 2020," INSTICC, 2020. ISSN: 2184-7711, ISBN: 978-989-758-446-6.
91. M. van Sinderen, **M. S. Obaidat** and J. Ben-Othman (Eds.) ," Proceedings of the 17th International Conference on e-Business," INSTICC, 2020. ISSN: 2184-772X, ISBN: 978-989-758-447-3
90. C. Callegari, S. X. Ng, P. Sarigiannidis, S. Battiato, A. S. Sanchez de Leon, A. Ksentini, P. Lorenze, **M. S. Obaidat** and J. Ben-Othman (Eds.)," Proceedings of the Proceedings of the 17th International Joint Conference on e-Business and Telecommunications- DCNET, OPTICS, SIGMAP and WINSYS, INSTICC, 2020. ISSN: 2184-2825; ISBN: 978-989-758-445-9.
89. P. K. Singh, W. Pawłowski, S. Tanwar, N. Kumar, J. Rodrigues, and **M. S. Obaidat** (Eds.), " Lecture Notes in Networks and Systems Volume 121- Proceedings of First International Conference on Computing, Communications, and Cyber-Security (IC4S 2019), Springer, 2020. ISSN 2367-3370; ISSN 2367-3389 (electronic).
- 88. M. S. Obaidat**, I. Traore and I. Woungang," Biometric-based Physical and Cybersecurity

Systems,” Springer, 2019. ISBN: 978-3-319-98734-7.

87. P. V. Krishan and M. S. Obaidat,” Emerging Research in Data Engineering Systems and Computer Communications: Proceedings of CCODE 2019 - Advances in Intelligent Systems and Computing,” Springer, 2019. ISBN: 9789811501340.

86. Mohammad S. Obaidat, Tuncer I. Ören, and Floriano De Rango (Eds.),” Advances in Intelligent Systems and Computing- Simulation and Modeling Methodologies, Technologies and Applications - Revised Selected Papers from SIMULTECH 2017, Springer 2019. ISBN: 978-3-030-01469-8.

85. Mohammad S. Obaidat and Pierangela Samarati,” Proceedings of the 16th International Joint Conference on e-Business and Telecommunications, ICETE 2019 - Volume 2, Prague, Czech Republic, July 26-28, 2019. SciTePress 2019, ISBN: 978-989-758-378-0.

84. Mohammad S. Obaidat, Christian Callegari, Marten van Sinderen, Paulo Novais, Panagiotis Sarigiannidis, Sebastiano Battiato, Ángel Serrano Sánchez de León, Pascal Lorenz and Franco Davoli,” Proceedings of the 16th International Joint Conference on e-Business and Telecommunications, 2019 - Volume 2, Prague, Czech Republic, July 26-28, 2019. SciTePress 2019. ISBN: 978-989-758-378-0.

83. Mohammad S. Obaidat, Tuncer Oren and Helena Szczerbicka, “Proceedings of the 9th International Conference on Simulation and Modeling Methodologies, Technologies and Applications,” SIMULTECH 2019, Prague, Czech Republic, July 29-31, - 2019. SciTePress 2019. ISBN: ISBN: 978-989-758-381-0.

82. Mohammad S. Obaidat, Enrique Cabello., “E-Business and Telecommunications - 14th International Joint Conference, ICETE 2017, Revised Selected Papers-Communications in Computer and Information Science 990, Springer 2019. ISBN 978-3-030-11038-3.

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 - 481) S. Obaidat, and H. Khalid," Performance Evaluation of Neural Network Paradigms for Ultrasonic Transducers Characterization", Proceedings of the IEEE International Conference on Electronics, Circuits and Systems, pp. 370-376, Dec 1995.
 - 482) H. Khalid, and M. S. Obaidat," A Novel Cache Controller using Neural Networks: Simulation and Algorithm", Proceedings of the 1995 Summer Computer Simulation Conference, pp. 767-772, Ottawa, Canada, July 1995.
 - 483) S. Obaidat and H. Khalid" A Performance Evaluation Methodology for Computer Systems", Proceedings of the 1995 IEEE Phoenix Conference on Computers and Communications, pp. 713-719, Scottsdale, AZ, March 1995.
 - 484) S. Obaidat," A Verification Methodology for Computer Systems Users", Proceedings of the 1995 ACM Symposium on Applied Computing, pp. 258-262, Nashville, TN, Feb. 1995.
 - 485) S. Obaidat," CompSec: A Neural Network System for Computer Access Security," Int'l Conference on Computers and Information Systems, Amman, Jordan, August 1994.
 - 486) S. Obaidat," The Architecture and Application of a New Neural Network Model",

- Proceedings of the 1994 IEEE Int'l Conference on Electronics, Circuits and Systems, pp. 712-719, December 1994.
- 487) M. S. Obaidat, " A Performance Evaluation Study of 2-Level Cache System Using Different Replacement Combinations", Proceedings of the 1994 Summer Computer Simulation Conference, pp. 157-162, July 1994.
 - 488) M. S. Obaidat, H. Khalid, and K. Sadiq, " Performance Evaluation of CISC Computer Systems under Single and Two-Level Cache Environments, Proceedings of the ACM 1994 Annual Computer Science Conference, pp. 226-248, Phoenix, Arizona, March 1994.
 - 489) M.S. Obaidat, " A Comparative Performance Study of Neural Networks Paradigms for Identifying Computer Users", Proceedings of the 1994 IEEE Phoenix Conference on Computers and Communications, pp. 161-167, Phoenix, AZ, April 1994.
 - 490) M.S. Obaidat, " Performance of Packet Switching Techniques in Computer Networks Using COMNET II.5", Proceedings of the 1993 Summer Computer Simulation Conference, pp. 116-118, Boston, MA, July 1993.
 - 491) M.S. Obaidat, " A Neural Network Paradigm and Its Performance", Proceedings of the 1993 International Simulation Technology Conference, SimTec'93, pp. 263-268, San Francisco, CA, Nov., 1993.
 - 492) B. Sadoun and M.S. Obaidat, " Design with Climate: A modeling Technique", Proceedings of the 1993 Summer Computer Simulation Conference, pp. 455-457, Boston, MA, July 1993.
 - 493) M. S. Obaidat and D. Donahue, " WBTP: A Priority Ethernet LAN Protocol", Proceedings of the 1993 Annual Computer Science Conference, pp.243-250, Indianapolis, IN, February 1993.
 - 494) M.S. Obaidat, " A Versatile Video Pattern Generator for Vision Test", Proceedings of the IEEE Phoenix Conference on Computers and Communications, pp. 545-551, March 1993.
 - 495) M.S. Obaidat, " A Methodology for Partitioning Long Local Computer Networks", Proceedings of the IEEE Phoenix Conference on Computers and Communications, pp. 275-281, March 1993.
 - 496) M.S. Obaidat, " A Video Pattern Generator for Vision Test", Proceedings of 1992 the IEEE Midwest Symposium on Circuits and Systems, pp. 282-285, Washington, D.C., July 1992.
 - 497) M.S. Obaidat, " A Comparative Performance Study of Pattern Recognition Techniques for Computer Access Security", Proceedings of SimTec'92 Conference, pp. 314-316, Clear Lake, TX, Nov. 1992.
 - 498) M.S. Obaidat, " A Simulation Study of the Performance of Ethernet and Token Bus Local Networks", Proceedings of SimTec'92 Conference, pp.618-620, Clear Lake, TX, Nov. 1992.
 - 499) M.S. Obaidat and D.T. Macchairlo, "on-line Neurocomputing System to Identify Computer Users," Proceedings of the 1992 Summer Computer Simulation Conference, pp. 403-407, Reno, NV, July 1992.
 - 500) M.S. Obaidat " On the Performance of Token Bus and Ethernet LANs", Proceedings of the 1992 Modeling and Simulation Conference, pp. 1227-1234 Pittsburgh, PA, May

1992.

- 501) M.S. Obaidat and B. Satish," A New Partitioning Scheme for Long Local ComputerNetworks", Proceedings of the 1992 Modeling and Simulation Conference, pp. 1243-1250, Pittsburgh, PA, May 1992.
- 502) M.S. Obaidat and D. Abu-Saymeh," An Intelligent Video Pattern Generator for Use in Ophthalmology", Proceedings of the 1993 ACM Symposium on Applied computing, pp.660-667, Indianapolis, IN, February 1993.
- 503) B. Sadoun, and M. S. Obaidat," A Simulation Experiment to Choose the Optimal Solar Access Site Design in Planning", Proceedings of 1992 SimTec'92 Conference, pp. 621-625, Clear Lake, TX, Nov. 1992.
- 504) M.S. Obaidat and D.S. Abu-Saymeh, "Performance Comparison of Neural Networks and Pattern Recognition Techniques for Classifying Ultrasonic Transducers," Proceedings of the 1992 ACM Symposium on Applied Computing, pp.1234-1242, Kansas City, MO, March 1992.
- 505) M.S. Obaidat and M.M. Matalgah, "Performance of the Short-time Fourier Transform and Wavelet Transform to Phonocardiogram Signal Analysis," Proceedings of the 1992 ACM Symposium on Applied Computing, pp.856-863, Kansas City, MO, March 1992.
- 506) M. S. Obaidat," Performance of Packet Switching Techniques in ComputerNetworks Using COMNET II.5", Proceedings of the 1993 Summer ComputerSimulation Conference, pp. 116-118, Boston, July 1993.
- 507) S.A. Bleha, J. Knop, and M.S. Obaidat, "Performance of the Perceptron Algorithm for the Classification of Computer Users," Proceedings of the 1992 ACM Symposium on Applied Computing, pp. 863-867, Kansas City, MO, March 1992.
- 508) M.S. Obaidat, "On the Performance of Neural Networks and Pattern Recognition Paradigms for Classifying Ultrasonic Transducers," Proceedings of the IEEE CompEuro '92 Conference, pp. 710-715, The Hague, The Netherlands, May 1992.
- 509) M. S. Obaidat and D.S. Abu-Saymeh" Neural Network and Pattern Recognition Techniques for Characterizing Ultrasonic Transducers" Proceedings of the 1992 IEEE Phoenix Conference on Computers and Communications, pp.729-735, April 1992.
- 510) M. S. Obaidat, "MTR: A New Token Ring Protocol and Its Performance", Proceedings of the 1992 Annual ACM Computer Science Conference, pp. 261-266, Kansas City, MO, March 1992.
- 511) M.S. Obaidat and M.A. Al-Rousan, "Performance Evaluation of a New Token Ring Protocol for Local Networks", Proceedings of the 1991 Simulation Technology Conference International, SimTec'91, pp.424-426, Orlando, FL, October 1991.
- 512) M.S. Obaidat," On the Performance of Crossbar Switch-based Multiprocessors", Proceedings of the 1991 Simulation Technology Conference International, SimTec'91, pp. 76-79, Orlando, FL, October 1991.
- 513) M.S. Obaidat and D. Abu-Saymeh, "A Methodology for Evaluating the Performance of RISC Processors," Proceeding of the 1991 IEEE/ACM Symposium on Applied Computing, pp.213-222, Kansas City April 1991.
- 514) M. S. Obaidat and J. Anderson, " An Intelligent Tutoring System for Basic Electronics", Proceedings of the IEEE Melcon'91, pp. 112-117, May 1991.
- 515) M.S. Obaidat," Performance of RISC-Based Multiprocessors with Homogeneous and

- Nonhomogeneous Traffic Flow", Proceeding of the 22nd Annual Pittsburgh Modeling and Simulation Conference, Vol. 22, Pt.2, pp. 1129-1136, Pittsburgh, May, 1991.
- 516) M.S. Obaidat and D. Abu-Saymeh, "A New Performance Evaluation Model for RISC Multiprocessors," Proceedings of the SCS 1991 Summer Computer Simulation Conference, pp.287-292, Baltimore, MD, July 1991.
- 517) M.S. Obaidat and J.Walk, "An Evaluation Study of Traditional and Neural Network Techniques for Image Processing Applications," Proceeding of the IEEE 34th Midwest Symposium on Circuits and Systems, pp. 72-76, Monterey, CA, May 1991.
- 518) J.W. Ekis, M.S. Obaidat and S.A. Bleha, "Characterization of Ultrasonic Transducers Using Pattern Recognition Techniques," proceedings of the 1990 Fall American Society for Nondestructive Testing Conference, Seattle, October 1991.
- 519) M. S. Obaidat and M. A. Radaideh, "Performance Models for the Bus-oriented Multiprocessor Computer Systems," Proceedings of the 1990 SCS Summer Computer Simulation Conference, pp. 153-158, Calgary, Canada, 1990.
- 520) M. S. Obaidat, "Simulation Modeling of the Bus-oriented Multiprocessor Systems," Proceedings of the 21st Annual Pittsburgh Conference on Modeling and Simulation, Vol. 21, Pt.3, pp. 1137-1141, Pittsburgh, PA, May 1990. M. S. Obaidat, "Modeling of the IMPS Multiprocessor System," Proceedings of the 1989 SCS Summer Computer Simulation Conference, pp. 73-78, Austin, TX, 1989.
- 521) M. S. Obaidat, J. M. Jagadeesh, and L. E. Leguire, "A Computerized Random Element Stereogram Generator: Design and Experiments," Proceedings of the IEEE Symposium on the Engineering of Computer-based Systems, pp. 133-138, Minneapolis, MN, 1988.
- 522) M. S. Obaidat, J. M. Jagadeesh, and G. M. Clark, "The OSUIMP Multiprocessor System," Proceedings of the IEEE COMP EURO-87, pp. 882-884, Hamburg, W. Germany, 1987.
- 523) M. S. Obaidat, J. M. Jagadeesh, and G. M. Clark, "A Modular Multiprocessor System for Image Processing," Proceedings of the IEEE Phoenix Conference on Computers and Communications, pp. 518-524, Scottsdale, AZ, 1987.
- 524) M. S. Obaidat, J. M. Jagadeesh, L. E. Leguire, G. L. Rogers, and D. L. Bremer, "A Microcomputer-Based Random Element Stereogram Generator for Use in Ophthalmology," Proceedings of the International Conference in Biomedical High Technology," pp. 120-122, Ohio State University, Columbus, 1987.
- 525) M. S. Obaidat, "Analytical and Simulation Modeling of the IMPS Multiprocessor System," Proceedings of the 19th Annual Modeling and Simulation Conference, Pittsburgh, PA, 1988.
- 526) M. S. Obaidat and J. M. Jagadeesh, "An Intelligent Video Tape Recorder Controller for Image Processing," Proceedings of the International Congress on Computers in Biotechnology, pp. 20-21, Baltimore, 1986.

Invited Keynote Speeches, Lectures and Seminars

- **M. S. Obaidat**, Invited Keynote Speech," A Novel Learning Automaton Based Controller Placement Scheme for Software-Defined Network Systems,"2022 IEEE International Conference on Mobile and Embedded Technology, MECON 2022, March 2022.

- **M. S. Obaidat**, Invited Keynote Speech,” New Biometric-Based Cybersecurity Techniques for Risk-Based Authentication in Web Settings,” 2022 IEEE International Conference on Information Technology, InCITe 2022, March 2022.
- **M. S. Obaidat**, Invited Keynote Speech,” Novel Biometric-Based Cybersecurity Techniques for Risk-Based Authentication,” 2022 International Conference on Advances in Distributed Computing and Machine Learning, ICADCML 2022, Jan 2020.
- **M. S. Obaidat**, Invited Keynote Speech, “Samples of our Recent Research Efforts on Machine Learning “, International Conference on Security, Privacy and Data Analytics (ISPDA-2021), Dec 2021.
- **M. S. Obaidat**, “Novel Biometric Techniques for Risk-Based Authentication,” Invited Keynote Speech,” 2021 ISEA International Conference on Security and Privacy, ISEA-ISAP 2021, Oct 2021.
- **M. S. Obaidat**, “Samples of our Research Works on Machine Learning and Related Fields,” Invited Seminar, Mohammed Bin Zayed University of Artificial Intelligence, MBZUAI, Aug 2021.
- **M. S. Obaidat**-Guest of Honor for 2021 International Conference on Electrical and Electronics Engineering (ICEEE 2021) during January 2-3, 2021
- **M. S. Obaidat**, Invited Keynote Speech,” On the Trends in the Key Enabling Technologies for Smart Homes and Cities and Samples of Our Related Works,” 2020 International Conference on IoT based Control Networks and Intelligent Systems”, ICICNIS 2020, Dec 2020.
- **M. S. Obaidat**, Invited Keynote Speech,” Biometric-Based Cybersecurity Methodologies for Risk-Based Authentication in Web Systems,” 2020 International Conference on Networks and Cryptology, NetCrypt 2020, Dec 2020.
- **M. S. Obaidat**, Invited Keynote Speech,” A Novel QoS and Cost Aware Fault Tolerant Scheme for Multi-Controller Software Defined Networks,” 2020 International Conference on Communication, Computing and Data Engineering, CCODE 2020, Nov 2020.
- **M. S. Obaidat**, Invited Keynote Speech,” New Biometric Schemes for Risk-Based Authentication in Web Environment,” 2020 IEEE Conference on Communication, Computing and Automation, ICCA 2020, Oct 2020.
- **M. S. Obaidat**, Invited Keynote Speech, “Trends and Challenges in the Key Enabling Technologies for Smart Homes and Cities, “2020 IEEE International Conference on Innovative Mechanisms for Industry Applications, ICIMIA 2020, Bangalore, India, March, 2020.
- **M. S. Obaidat**,” Is AI Back?, Invited Talk at UoS Research Café, Feb 2020.
- **M. S. Obaidat**,” Trends and Challenges in the Key Enabling Technologies of Smart Cities and Homes,” CCI Invited Seminar, UOS, Dec 2019.
- **M. S. Obaidat**, Invited Keynote Speech, “Risk-Based Authentication Technique Using Biometrics in Web Environment Systems, “2019 IEEE International Symposium on Advanced Electrical and Communication Technologies (ISAECT 2019), Rome Italy, Nov 2019.
- **M. S. Obaidat**, Invited Keynote Speech, “On Key Enabling Technology for Smart Homes and Cities”, 2019 International Conference on Innovative Data Communication Technologies and Applications, ICIDCA 2019, Coimbatore, October, 2019.
- **M. S. Obaidat**, Invited Panel, “Is Artificial Intelligence (AI) and Neural Networks Back and Why?”Invited Panel Organizer, IEEE ICETE 2019, Prague, Czech Republic,

July 2019.

- **M. S. Obaidat**, Invited Panel, “What to use: Simulation Packages, Simulation Languages or General Purpose Programming Languages?” Invited Panel Organizer, SIMULTECH 2019, Czech Republic, July 2019.
- **M. S. Obaidat**, Invited Keynote, “Wireless Systems as Key Enabling Technology for Smart Homes and Cities & Samples of our Related Recent Works”, Harbin Institute of Technology, Harbin, China, June 2019.
- **M. S. Obaidat**, Invited Keynote, “A Novel QoS and Cost -Aware Fault Tolerant Technique for Multi-Controller Software Defined Networks (SDNs), BUPT, Beijing, China, June 2019.
- **M. S. Obaidat**, Invited Keynote, “Research Trends in Information and Communications Technology,” Hangzhou Dianzi University, Hangzhou, China, May 2019.
- **M. S. Obaidat**, Invited Keynote, “Research Trends in Information and Communications Technology,” University of Science and Technology Beijing, March 2019.
- **M. S. Obaidat**, Invited Keynote,” A Novel QoS and Cost Aware Fault Tolerant Scheme for Multi-Controller Software Defined Networks Systems,” Fudan University, Shanghai, China, May 2019.
- **M. S. Obaidat**, Invited Keynote,” An Efficient QoS Aware Fault Tolerant Technique for Multi-Controller Software Defined Network Systems,” University of Science and Technology Beijing, May 2019.
- **M. S. Obaidat**, Invited Keynote, “Novel Biometric Techniques for Risk-Based Authentication in Web Environment Systems,” 2019 International Conference on Computing Communications and Data Engineering (CCODE 2019), Tirupati, AP, India, 2019.
- **M. S. Obaidat**, Invited Keynote, “Future and Challenges in the Key Enabling Technologies of Smart Cities and Homes and Samples of Our Related Research Efforts,” 2018 IEEE International Conference Parallel, Grid and Cloud Computing,” Himachal, India, Dec 2018.
- **M. S. Obaidat**, Invited Panel, “Recent Advances and Challenges in Internet of Things (IoTs), Invited Panel Organizer, IEEE ICETE 2018, Porto, Portugal, July 2018.
- **M. S. Obaidat**, Invited Panel, “Are we ready for an Undergraduate Program in Modeling and Simulation?,” Invited Panel Organizer, SIMULTECH 2018, Porto, Portugal, July 2017.
- **M. S. Obaidat**, Invited Keynote,” Wireless Network Systems as Key Enabling Technology for Smart Homes and Cities,” 2018 IEEE International Conference on Wireless and Mobile Computing, Networking and Communication, WiMob 2018,” Limassol, Cyprus, October 2018.
- **M. S. Obaidat**, Invited Keynote,” Trends and Challenges in the Key Enabling Technologies of Smart Cities,” Invited Keynote at the Eastern Mediterranean University, EMU, North Cyprus, 2018.
- **M. S. Obaidat**, Invited Keynote,” Trends and Challenges in the Key Enabling Technologies of Smart Cities and Homes and Samples of Our Research Outcomes,”

SCS 2018 Summer Simulation Multi-conference and 2018 IEEE/SCS International Symposium on Performance Evaluation of Computer and Telecommunication Systems, SPECTS 2018), Bordeaux, France, 2018.

- **M. S. Obaidat**, Invited Keynote, "Efficient Multipath Routing Protocol with Quality of Service for Mobile Adhoc Network Systems," Beijing University of Post and Telecommunications, June 2018.
- **M. S. Obaidat**, Invited Keynote, "Trends and Challenges in the Key Enabling Technologies of Smart Cities and Homes and Samples of Our Research Outcomes," 2018 IEEE Parallel, Distributed and Grid Computing Conference, PDGC 2018, Himachal Pradesh, India.
- **M. S. Obaidat**, Invited Keynote, "Biometric Schemes for Risk-Based Authentication in Web Environment Systems," China Eastern Normal University, June 2018.
- **M. S. Obaidat**, Invited Keynote, "A New Efficient Multipath Routing Protocol with Quality of Service for Mobile Adhoc Network Systems," University of Science and Technology Beijing, 2018.
- **M. S. Obaidat**, Invited Keynote, "On the Key Enabling Technologies for Smart Homes and Cities and Samples of Our Related Works," 2018 IEEE International Conference Universal Computing, Communications and Data Engineering, UNICODE 2018, Tripura, India, Feb 2018.
- **M. S. Obaidat**, Invited Keynote, "Trends and Challenges in Key Enabling Technologies for Smart Homes and Cities and Samples of Our Related Works," 2017 IEEE International Conference on Future Technology Conference, FTC 2017, Vancouver, Canada, November 2017.
- **M. S. Obaidat**, Invited Panel, "Trends in Biometric-based Security Systems, Invited Panel Organizer, IEEE ICETE 2017, Madrid, Spain, July 2017.
- **M. S. Obaidat**, Invited Panel, "Challenges and Directions in Modeling and Simulation of Computer Networks and Systems," Invited Panel Organizer, SIMULTECH 2017, Madrid, Spain, July 2017.
- **M. S. Obaidat**, Invited, "Novel Schemes for Biometric-based Security Systems, University of North Carolina, Summer 2017.
- **M. S. Obaidat**, Invited Keynote, "On the Wireless Network Systems as a Key Enabling Technology for Smart Homes and Cities and Samples of our Related Efforts," 2017 IEEE International Conference on Platform Technology and Service, PlatConf 2017, Busan, South Korea, Feb 2017.
- **M. S. Obaidat**, Invited, "Novel Biometric Techniques for Security of Web and Network Environments," Invited Keynote at the Erasmus 2017, University of Jordan, Amman, January 2016.
- **M. S. Obaidat**, Invited Keynote, "The Role of Wireless Network Systems as a Key Enabling Technology for Smart Homes and Cities and Samples of our Related Works," IEEE International Conference on Cloud Computing and Data Science and Engineering, Confluence 2017, Delhi, India, January 2017.

- **M. S. Obaidat**, Invited Keynote, “Key Enabling Technologies for Smart Homes and Cities and Samples of Our Related Efforts,” 2017 IEEE International Conference on Mathematics and Computers, ICMC 2017, Haldia, W. Bengal, India, January 2017.
- **M. S. Obaidat**, “How to Make a Successful SSR and ABET Visit? University of Jordan, Amman, November 2016.
- **M. S. Obaidat**, Invited Panel, “Issues in Big Data,” Panel Organizer, ICETE 2016, Lisbon, Portugal, July 2016.
- **M. S. Obaidat**, “A Novel Efficient Elastic Node Addressing Technique for Next-Generation Network Systems,” Invited Keynote, BUPT, Beijing, China, March 2016.
- **M. S. Obaidat**, “Trends in Wireless Networks as an Enabling Technology for Smart Homes and Cities and Samples,” Invited Keynote Speech, Yunnan Minzu University, Kunming, China, March 2016.
- **M. S. Obaidat**, “On the Role of Wireless Network Systems for Smart Homes and Cities and Samples of our Related Recent Works,” Invited Keynote Speech, IBM TJ Watson, NY, USA, Dec 2015.
- **M. S. Obaidat**, “On the Role of Wireless Networks as a Key Enabling Technology for Smart Homes and Cities,” Invited Keynote Speech, University of Agder, Grimstad, Norway, October, 2015,
- **M. S. Obaidat**, “Communications in Smart Cities,” Panel Organizer, ICETE 2015, Colmar, France, July 2015.
- **M. S. Obaidat**, “Advances in Modeling and Simulation of Computer Networks and Systems” Panel Organizer, SIMULTECH 2015, Colmar, France, July 2015.
- **M. S. Obaidat**, “On the Applications of Wireless Networks to Smart Cities,” Keynote at the IEEE 2015 Cybermatics International Conference, Beijing, China, August 2015.
- **M. S. Obaidat**, “Top 10 Challenges for Smart World,” Panelist at IEEE 2015 Cybermatics International Conference, Beijing, China, August 2015.
- **M. S. Obaidat**, “Trends and Challenges in the Key Enabling Information and Communication Technologies for Smart Cities,” Invited Keynote Speech by Wuzi University, Beijing, China, August 2015.
- **M. S. Obaidat**, “A New Learning Automaton- based Context Oriented Middleware Architecture for Agriculture,” Invited Keynote Speech by Fudan University, Shanghai, China, Aug 2015.
- **M. S. Obaidat**, “On the Role of Wireless Networks as a Key Enabling Technology for Smart Homes and Cities and Samples of our Related Recent Works,” Invited Keynote Speech, Fordham University, NY, USA, Feb 2015.
- **M. S. Obaidat**, “A Methodology to Predict the Forthcoming Sleep Period in XG-PON Systems Using Exponential Smoothing Approaches,” Invited Keynote Speech by Beijing University of Post and Telecommunications (BUPT), Beijing, China, Dec 2014.
- **M. S. Obaidat**, “On the Estimation of the Upcoming Sleep Period in XG-PON Systems Using Exponential Smoothing Techniques,” Invited Keynote Speech by Xidian University, Xian, China, Dec 2014.
- **M. S. Obaidat**, “Key Enabling ICT Systems for Smart Homes and Cities: The Opportunities and Challenges,” Keynote Speech at the 2014 IEEE International

Conference on Network Infrastructure and Digital Content (IC-NIDC), Beijing, China, September 2014.

- **M. S. Obaidat**,” On the Recent Advances in Smart Cities and Homes Samples of Our Related Works,” Invited Keynote Speech by Xidian University, Xian, China, Sep 2014.
- **M. S. Obaidat**,” Fundamental Empowering ICT Systems for Smart Cities and Homes,” Invited Keynote Speech by University of Science and Technology Beijing, Beijing, China, Sep 2014.
- **M. S. Obaidat**,” Plenary Panelist and Plenary Session Chair at SIMULTECH 2014: “Recent Issues and Trends in the Validation and Verification of Simulation Models,” Vienna, Austria, August 2014.
- **M. S. Obaidat**,” Plenary Panelist and Plenary Session Chair at ICETE 2014: “Recent advances in smart cities,” Vienna, Austria, August 2014.
- **M. S. Obaidat**,” Keynote Speech at the 2014 FTRA International Conference on Ubiquitous Context-Awareness and Wireless Sensor Network (UCAWSN-14), July 7-10, 2014, Jeju, Korea.
- **M. S. Obaidat**,” Recent Developments and Challenges in Green Information and Communications Systems and Samples of our Related Research Works,” Main Keynote Speech at the 2014 PSU Engineering Symposium, PSU, KSA, Feb 2014.
- **M. S. Obaidat**,” On the Advances and Challenges in Smart Homes and Cities and Samples of our Recent Related Works,” Keynote Speech at the 2013 IEEE World Ubiquitous Science Congress (U-Science2013), Chengdu, China, Dec 2013.
- **M. S. Obaidat**,” ICT Systems for Smart Homes and Cities and Samples of our RecentRelated Works,” Invited Keynote Speech by Beijing University, of Post and Telecommunications (BUPT), Beijing, China, Dec 2013.
- **M. S. Obaidat**,” A Novel Biometric Scheme for Risk-Based Authentication in Web Environments,” Keynote Speech at the 2013 IEEE World Cybermatics Congress: 2013 IEEE International Conference on Internet of Things (iThings 2013), 2013 IEEE International Conference on Cyber, Physical and Social Computing (CPSCom 2013) and 2013 IEEE International Conference on Green Computing and Communications, GreenCom 2013), Aug 2013.
- **M. S. Obaidat**,” Plenary Panelist and Plenary Session Chair at ICETE 2013: “ICT Technology for Smart Cities and Homes,” Reykjavik, Iceland, July 2013.
- **M. S. Obaidat**,” On the Fundamentals of Modeling and Simulation and Advances and Challenges,” Keynote Speech at the 2013 International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH), Reykjavik, Iceland, July 2013.
- **M. S. Obaidat**,” On the Trends and Challenges in Green Information Systems, “Keynote Speech at the 20132 International Conference on Information Technology, May 2013.
- **M. S. Obaidat**,” Advance son the Security of Communication Networks, “,” Invited Talk, IEEE Computer Society, UAE Chapter and Khalifa University of Science, Technology and Research (KUSTAR), Abu Dhabi, UAE, January 2013.
- **M. S. Obaidat**,” On the Recent Advances of the Security of Computer Networks and Samples of Some of our Recent Related Works,” Keynote Speech at the 2012

International Conference on Ubiquitous Information Technologies & Applications (CUTE 2012), Hong Kong, Dec 2012.

- **M. S. Obaidat**,” Trends and Issues in Smart Homes and Cities,” IEEE Fellows Panel Session at the APEC Smart City Industrial Technology Cooperation Forum, Changzhou, Dec 2012.
- **M. S. Obaidat**,” New Trends and Challenges in Green ICT and Samples of Some of our Related Efforts,” Fudan University, Shanghai, China, Dec 2012.
- **M. S. Obaidat**,” A Biometric Methodology for Risk-Based Authentication in Web Environments” Beijing University of Post and Telecommunications, BUPT, Beijing, China, Nov 2012.
- **M. S. Obaidat**,” Advances, Trends and Challenges in Smart and Digital Homes and Samples of our Recent Works,” Keynote Speech at the 2012 IEEE International Conference on Digital Home, ICDH 2012, Guangzhou, China Nov 2012.
- **M. S. Obaidat**,” Trends and Challenges in Green Information and Communication Technologies (ICT) and Samples of our Related Research Works,” Invited Talk, Office of Senior Vice President for Research and Development, Khalifa University of Science, Technology and Research (KUSTAR), Abu Dhabi, UAE, Nov 2012.
- **M. S. Obaidat**,” Plenary Panelist and Plenary Session Chair at SIMULTECH 2012: “Trends and Challenges in Modeling and Simulation”, Rome, Italy, July 2012.
- **M. S. Obaidat**,” Plenary Panelist and Plenary Session Chair at ICETE 2012: “Recent Advances in the Security of Telecommunication and Network Systems” Rome, Italy, July 2012.
- **M. S. Obaidat**,” Future of Green Information and Communication Systems and Samples of our Related Research Works,” An Invited Talk at Beihang University, Beijing, Dec 2011.
- **M. S. Obaidat**,” Recent Advances and Trends in Wireless Networks,” An Invited Talk at BUPT, Beijing, Dec 2011.
- **M. S. Obaidat**,” Future of Green Information and Communication Systems and Samples of our Related Research Works,” An Invited Talk at Fudan University, Shanghai, Dec 2011.
- **M. S. Obaidat**,” Future of Green Information and Communication Systems and Samples of our Related Research Works,” An Invited Talk at the Shanghai Research Center for Wireless Communications, Dec 2011.
- **M. S. Obaidat**,” On the Fundamentals of Modeling and Computer Simulation,” A Keynote at the 2011 Nebraska Research and Innovation Conference (NRIC), Omaha, NE, September 27, 2011.
- **M. S. Obaidat**,” Future of Green Information and Communication Systems and Samples of our Related Research Works, Beijing University of Post and Telecommunications, BUPT, October 2011.
- **M. S. Obaidat**,” On the Trends and Challenges in Green Information and Communication Technology and Samples of Some of our Related Research Results,” A Keynote Speech at FTRA World Convergence Congress, Jeju, Korea, December 2011.

- **M. S. Obaidat**,” Recent Trends and Challenges in Wireless Network Systems,” A Keynote Speech at International Conference on Next Generation Mobile Applications, Services and Technologies (NGMAST’11), Cardiff, UK, September 2011.
- **M. S. Obaidat**,” Performance Evaluation of Computer and telecommunication Systems,” INFORTE Seminar, Tampere University of Technology, Finland May 2011.
- **M. S. Obaidat**,” Trends in Green Information and Communication Technology and Samples of our Related Research Works,” A Keynote Speech at the joint IEEE/ACM International Conference on Green Computing and Communications, GreenCom 2010, and the 2010 IEEE/ACM International Conference on Cyber, Physical and Social Computing (CPSCom 2010), Hangzhou, China, December 2010.
- **M. S. Obaidat**,” Recent Trends and Challenges in the Security of e-Systems and Computer Networks,” A keynote at the InfoWare2010 International Multiconference, Valencia, Spain, September 2010.
- **M. S. Obaidat**,” Recent Trends and Challenges in the Security of e-Systems and Computer Networks,” A keynote at the 2010 International Conference on Information Technology Convergence and Services (ITCS-10), August 2010.
- **M. S. Obaidat**,” On the Trends in the Security of e-Systems and Computer Networks,” A keynote at the National Ilan University, Ilan, Taiwan, August 2010.
- **M. S. Obaidat**,” On the Trends in the Security of e-Systems and Computer Networks,” A keynote at the Tamkang University, Tamsui, Taiwan, August 2010.
- **M. S. Obaidat**,” Schemes for the Analysis of Rechargeable Nodes in Wireless Sensor Networks, A keynote at the University of Seville, Spain, June 2010.
- **M. S. Obaidat**,” Advanced E-Business and Digital Security Technologies Management: Strategic Options for Enhancing System Integrity Healing Data Compromise, and Preventing Process Failures in a World of New e-Security Threats, Fears and Attacks,” A Keynote at the 2010 TransnationalHCS, Lagos, Nigeria, January 2010.
- **M. S. Obaidat**,” Advances and Challenges in Security of Wireless Networks,” A keynote at the 2009 International Conference on Ubiquitous Information Technologies & Applications (ICUT-09), Fukuoka, Japan, Dec 2009.
- **M. S. Obaidat**,” On the Security of e-Systems and Computer Networks,” A keynote at the University of Seville, Seville, Spain, July 2008.
- **M. S. Obaidat**,” Issues in Security of Wireless Network Systems,” An Invited Panel Moderator and Chair, 2008 IEEE International Conference on e-Business and Telecommunications, IETE 2008, Porto, Portugal, 2008.
- **M. S. Obaidat**,” Trends in the Security of e-Systems and Computer Networks,” A keynote at the University of Oviedo, Gijon Campus, Spain, July 2008.
- **M. S. Obaidat**,” Fundamentals of Wireless Network Systems, Invited Tutorial, IEEE International Conference on Electronics, Circuits and Systems, ICECS 2008, Malta, August 31, 2008.
- **M. S. Obaidat**,” Trends and Challenges in Wireless Systems,” Keynote at the 2007 IEEE International Conference on Electronics, Circuits and Systems Conference, ICECS 2007, Marrakech, Morocco, Dec. 2007.

- **M. S. Obaidat,** "Future Trends in Wireless Networks-Applications to Postal Services," Keynote Speech at the Universal Union of Postal Services Postech 2007 Conference, Jeddah, Saudi Arabia, Nov. 2007.
- **M. S. Obaidat,** "Future and Challenges of the Security of E-Systems and Computer Networks," Main Keynote Speech, IEEE International Joint Conference on E-Business and Telecommunications Networks, ICETE 2007 (ICETE 2007 Consists of 4 Major International Conferences: ICE-B, SCRYPT, SIGMAP and WINSYS), Barcelona, Spain, July 2007.
- **M. S. Obaidat,** "On the Recent Trends in Wireless Networks," Invited Talk, Faculty of ICT, Islamic International University, Malaysia, Kuala Lumpur, Malaysia, August 2007.
- **M. S. Obaidat,** "Future of Telecommunications Systems," Conference Plenary Panel, Organizer and Plenary Panel Chair, IEEE International Conference on E-Business and Telecommunications Networks, ICETE 2006, Setubal, Portugal, August 2006.
- **M. S. Obaidat,** "Challenges in Wireless Communication Networks," Keynote Speech, 2006 IEEE International Symposium on Computer Networks, IDSCN 2006, Istanbul, Turkey, June 2006.
- **M. S. Obaidat,** "Recent Challenges in Wireless Networks Security," Invited Lecture, Kuwait University, Kuwait, May 2006.
- **M. S. Obaidat,** "Recent Trends in Wireless Networking," Invited Lecture, Kuwait University, Kuwait, May 2006.
- **M. S. Obaidat,** "Trends and Challenges in Wireless Networks," Keynote Speech, 2005 IEEE International Conference on E-Business and Telecommunications Networks, ICETE 2005, Reading, London, 2005.
- **M. S. Obaidat,** "Fundamentals of Wireless Networks," Tutorial, 2005 International Conference on E-Business and Telecommunications Networks, ICETE 2005, Reading, London, October 2005.
- **M. S. Obaidat,** "Novel Protocols for Wireless Systems," Keynote Speech, Institute of Computer and Communication Institute, National Cheng Kung University Taiwan, June 2005.
- **M. S. Obaidat,** "Recent Advances in Wireless Systems, Keynote Speech, "Institute for Information Industry (III), Kaohsiung, Taiwan, June 2005.
- **M. S. Obaidat,** "Essentials of Wireless Networks," Tutorial, 2005 International Conference on Information Technology: Research and Education, Hsinchu, Taiwan, June 2005.
- **M. S. Obaidat,** "Trends and Challenges in Wireless Networks Security," Keynote Speech, International Workshop on Wireless Security Technology," London, United Kingdom, April 2005.
- **M. S. Obaidat,** "Impact of Information Technology on Human Culture," Keynote Speech, Philadelphia University, Jordan, Dec 2004.
- **M. S. Obaidat,** "New Protocols for Wireless Networks," Keynote Speech, Jordan International Conference on Computer Science and Engineering, JICCSE2005, Al-Balqa' Applied University Campus, Salt, Jordan, October 2004.

- **M. S. Obaidat**,” Recent Research in Wireless Networks: Present and Future,” Invited Keynote Speech at the International Chilean Computer Science Society Conference, Chile, November 2003.
- **M. S. Obaidat**,” Fundamentals of Wireless Networks,” Invited Tutorial, IEEE International Conference on Electronics, Circuits and Systems, ICECS2003, December 2003
- **M. S. Obaidat**,” Wireless Networks: Present and Future,” Keynote Speech at the International Conference on Information Technology and Natural Sciences, AICITNS2003, October 2003.
- **M. S. Obaidat**,” Wireless Networks: Some of Our Recent Works,” Invited Keynote Speech, University of Girona, Spain, September 2003.
- **M. S. Obaidat**,” Trends in Telecommunications Networking,” Invited Keynote Speech. University of Girona, Spain, September 2003.
- **M. S. Obaidat**,” Trends in Information and Telecommunications Technology,” Keynote Speech at the ACIT2002 Conference, 2002.
- **M. S. Obaidat**,” Driving Citizens to Digital Technology,” University of Qatar, December 2002.
- **M. S. Obaidat**, A New Deadlock Recovery for Wormhole Switched Networks,” University of Alabama, August 2002.
- **M. S. Obaidat**, A Novel Mechanism for Deadlock Recovery in wormhole Networks,” West Virginal University, April 2002.
- **M. S. Obaidat**,” Trends and Challenges in Telecommunications Networking,” Tampere University of Technology, Tampere, Finland, June 28, 2001.
- **M. S. Obaidat**,” Performance Evaluation of Computer and Telecommunications Systems,” IEEE ICC2001 Conference, A One-Day Tutorial, Helsinki, Finland, June 11, 2001.
- **M. S. Obaidat**,” Novel Mechanisms for Improved Adaptive Routing in Wormhole Switched Networks, Tampere University of Technology, Tampere, Finland, June 8, 2001.
- **M. S. Obaidat**,” Information Technology Going into the 21st Century,” Keynote Address presented at the ACIT’2000 Conference, Amman, Jordan, October 2000.
- **M. S. Obaidat**, Novel Mechanism for Deadlock Recovery in Wormhole Systems, DIST, University of Genoa, June 2000.
- **M. S. Obaidat**,” New Wormhole Switched Networks Algorithm, Torino Polytechnic, Torino, Italy, June 2000.
- **M. S. Obaidat**,” Performance Evaluation of Computer and Telecommunications Systems,” A Short Course Taught at Tampare University of Technology, Tampare, Finland, May 2000 and June 2001.
- **M. S. Obaidat**,” An Efficient New Deadlock Recovery Scheme for Wormhole Switched Networks,” Tampare University of Technology, Tampare, Finland, May 2000.
- **M. S. Obaidat**,” A Novel Deadlock Recovery Scheme for Wormhole Switched Networks,” University of Idaho, USA, April 2000.

- **M. S. Obaidat,**” A Novel Scheme for Deadlock Recovery in Wormhole Switched Network,” Oklahoma State University, USA, April 2000.
- **M. S. Obaidat,**” A New Mechanism for Deadlock Recovery in Switched Networks,” Colorado School of Mines, Colorado, USA, April 2000.
- **M. S. Obaidat,**” A New Deadlock Recovery Mechanism for Fully Adaptive Routing Algorithms in Wormhole Switched Networks,” University of Miami, Florida, USA, March 2000.
- **M. S. Obaidat,**” Performance Evaluation of High Performance Systems”, ACM Distinguished Lecture, Allegheny College, Meadville, PA, December 1999.
- **M. S. Obaidat,** “Parallel Synchronization Scheme for SDH Systems,” University of Aizu, Aizu-Wakamatsu, Japan, September 1999.
- **M. S. Obaidat,**” Performance Evaluation of Super Computers and HPC Systems,” Al-Isra University, Amman, Jordan, June 1999.
- **M. S. Obaidat,** “Information Technology and Year 2000,” Abdelhamid Shoman Foundation, Amman, Jordan, June 1999.
- **M. S. Obaidat,** “Y2K Computer Problem,” Hofuof Teaching College and Chamber of Commerce and Trade, Hofuof, Saudi Arabia, May 1999.
- **M. S. Obaidat,**” A Novel Cache Replacement Scheme,” Northern Illinois University, DeKalb, IL, February 1999.
- **M. S. Obaidat,**” KORA: A High Performance Cache Replacement Scheme," King Fahd University of Petroleum and minerals, Saudi Arabia, November 1998.
- **M. S. Obaidat,**” A High Performance Cache Replacement Algorithm,” Howard University, Washington, DC, October 1998.
- **M. S. Obaidat,**” Performance Evaluation of Computer and Telecommunication Systems,” University of Oslo, Norway, August 1998.
- **M. S. Obaidat,**” Performance Evaluation of Computer Systems and Networks,” Tampare University of Technology, Tampare, Finland, August 1998.
- **M. S. Obaidat,** "On-line Neural Network System for Computer Access Security", New York City Chapter of ACM, ACM Distinguished Lecture Series, April 1997.
- **M. S. Obaidat,** " KORA: A Cache Replacement Scheme and Its performance", Ohio University, Athens, Ohio, June 1996.
- **M. S. Obaidat,**" Performance Evaluation of Computer Systems and Networks", IEEE Distinguished Lecture, IEEE Portland Section, May 1996.
- **M. S. Obaidat,** “A High Performance Cache Replacement Algorithm", Portland State University and IEEE Portland Section, IEEE Distinguished Lecture, May 1996.
- **M. S. Obaidat,**" Wavelet Algorithms for the Estimation of Pitch Period of Speech Signals", CUNY Symposium on Computational Neuroscience, May 1, 1996.
- **M. S. Obaidat,**" A Novel High Performance Cache Replacement Algorithm", Monmouth University, April 1996.
- **M. S. Obaidat,**" Performance Evaluation of Computer Systems and Networks", IEEE NJ Shore Joint Chapters of Computer and Communication, IEEE Distinguished Lecture, April 1996.

- **M. S. Obaidat**, "Performance Evaluation of Computer Systems and Networks", IEEE and HKN Sections of City College of New York, September 1995.
- **M. S. Obaidat**, "High Performance Massively Parallel Processors", Jordan Computer Society, August 1994.
- **M. S. Obaidat**, "High Performance Computing and Distributed Simulation", Panel Chair and Organizer, 1994 Summer Computer Simulation Conference, La Jolla, CA, July 1994.
- **M. S. Obaidat**, "Applied Neural Network Computing", CMIPS, City College of New York, December 1993.
- **M. S. Obaidat**, "Impact of High Performance Computers on Simulation Technology", Panel Chair and Organizer, 1993 Summer Computer Simulation Conference, Boston, MA, July 1993.
- **M. S. Obaidat**, "Parallel and High Performance Computers", HKN Chapter of the City College of New York, April 1993.
- **M. S. Obaidat**, "Methodologies for Evaluating RISC Single and Multiprocessors Systems", The University of Central Florida, Orlando, April 1992.
- **M. S. Obaidat**, "Local Network Protocols", ASTA, Amman, Jordan, August 1992.
- **M. S. Obaidat**, "IEEE Membership: Career Enhancement and Benefits", IEEE S-PAC Conference, Kansas State University, Manhattan, KS, March 1992.
- **M. S. Obaidat**, "A New Protocol for Token Ring Local Area Networks", Invited Seminar by IEEE Computer Society, Kansas City, August 1991.
- **M. S. Obaidat**, "Characterizing Ultrasonic Transducers Using Pattern Recognition, Invited Seminar by IEEE Computer Society, Kansas City, March 1991.
- **M. S. Obaidat**, "Rapid Development of Software," Panelist, IEEE 35th Video Conference, Overland Park, KS, May 2, 1990.
- **M. S. Obaidat**, "The Design of a Modular Time-shared based Multiprocessor System," poster presented on the PARBASE-90 Conference, Miami Beach, FL, March 1990.
- **M.S. Obaidat**, "The IMPS Multiprocessor System", A seminar presented in the Department of Electrical and Computer Engineering, University of Missouri-Columbia, June 1989.
- **M. S. Obaidat**, "Performance Evaluation of Multiprocessor Computer Systems," presented in the ASST/UNESCO Winter Session, Queueing Theory and Computer Applications, Damascus, 1988 (also appear in the meeting's Proceedings pp. 9.1-9.25).
- **M.S. Obaidat**, "Multiprocessor Systems ", Department of Electrical and Computer Engineering, University of Missouri- Truman Campus, MO, 1989.
- **M. S. Obaidat**, "Microprocessor Systems and Their Applications," Seminar presented at the College of Engineering Workshops for Industry, Jordan University of Science and Technology, Irbid, 1989.
- **M. S. Obaidat**, "A Prospective View on the Applications of Computers in Jordan," Seminar, presented in the Jordan University of Science and Technology Series of Seminars to serve local community, Irbid, Jordan, 1987.

Other Professional Activities

- Served as Ph.D. advisor for many Students including Humayun Khalid, Jun Teng, Ahmad Dalal'ah, Chihab Ahmed, Mohamed Hamdi, F. Zarari, Virginia Gasull.
- Served as External Examiner for Ph.D. Dissertations for students at University of Oslo (Norway), Indian Institute of Technology (India)-Kharagpur, Indian Institute of Technology (India)-Dhanbad, Indian Institute of Technology (India)-Delhi , Columbia University, Rutgers University, Glasgow University (UK), Tampere University of Technology (Finland) 2 times, University of Rouen (France), University of Carthage (Tunisia), Carleton University (Canada), National Institute of Technology Calicut, India and SASTRA University, India . Among these the Ph.D. Dissertations of Frode Nelson, Ayman Abu Hamdieh, C. Bonevista, Mohammed Awwad, Kimmo Pulakka, Kalaf Katatneh, Sudip Misra, Avadora Dumitrescu, P. C. NEELAKANTAN, D. Manivannan, RISHIVARMAN A. R., Rakesh Kumar, HARIS P A., ALAGESWARAN R., NEELAKANTAN P.C., B. D. Deepak, Sunil Kumar Guatam, Jitendra Bhatia, among others.
- Served as Advisor for the President of Philadelphia University (He became in April 2005 the Prime Minister of Jordan), Jordan, 2004/2005.
- President and Chair of the Board of Directors, The Society for Modeling and Simulation International, SCS (2009-2011).
- Senior Vice President, The Society for Modeling and Simulation International, SCS (2006-2009).
- Vice President of Membership, The Society for Modeling and Simulation International, SCS (2004-2006).
- Vice President of Conferences, The Society for Modeling and Simulation International, SCS (2002-2004).
- Served on the Technical Program Committee of over 300 International Conferences sponsored by IEEE, ACM, SCS, among many others.
- Served as an external evaluator for the promotion and tenure of faculty members at University of Ottawa, Northern Illinois University, Florida Atlantic University, Amman University, Mu'tah University, Yarmouk University, Zarka Private University, University of Jordna, Yarmouk Univeristy, Jordan, Al al-Bait University, Aberdeen University, King Fahd University of petroleum and Minerals, King Abdul-Aziz University, University of Petra, Al-Isra University, Nanyang Technological University (NTU), Mu'atah University, Jordan, University of Akron, Kuwait University, Sultan Qaboos University, Oman, King Saud University, Saudi Arabia, Old Dominion University, VA, USA, University of South

Carolina, American University of Beirut, Prince Sultan University, Al-Qasimi College, among others.

- Served as advisor for numerous graduate Students.
- Member of IEEE Computer Society, Communications Society, SMC Society, Instrument and Measurement Society.
- Member of the Publication Board, The Society for Computer Simulation International, 1991-Present.
- Member of the Association for Computing Machinery, ACM.
- Co-founder of the IEEE Computer Society- Kansas City Chapter.
- Chairman, IEEE Computer Society- Kansas City Chapter, 1991- 1992.
- Member of the IEEE Executive Committee- Kansas City Section, 1990-1992
- Chair, IEEE Kansas City Section Educational Activities Committee, 1990-1992.
- Vice Chairman, IEEE Computer Society-Kansas City Chapter, 1990/1991.
- Member of the CUNY Ph.D. Committee in Engineering, 1992-1996.
- Faculty Member of the Biomedical Engineering Program of City College of New York, 1994-1996.
- Serving on the Society for Computer Simulation Committee on High Performance Computing.
- Serving on the Ad Hoc Evaluation Committee to review the Computer Science Telecommunication Program and Center for Advanced Technology at the University of Missouri- Kansas City, 1992.

Reviewer for Transactions, Journals and Conferences:

- I served as a reviewer for numerous scholarly journals, transactions and conferences including these published/organized by IEEE, ACM and SCS as well as highly reputable publishers such as Wiley, Cambridge University Press, Sage, Elsevier, Springer, Inderscience, and others.
- Served as a member of the Source Selection Evaluation Board (SSEB) of the Department of Homeland Security (DHS) on Complex Event Modeling, Simulation and Analysis.

- Reviewed research proposals for Federal agencies and universities worldwide including:
 - NSF Proposals
 - DHS
 - Numerous Universities worldwide.

Research Awards and Grants:

I received about 3.5 Million US Dollars as research grants.

Samples of these grants that I serve as PI include:

- PR of China Ministry of Education Distinguished Overseas Professor at the University of Science and Technology Beijing (USTB) Grant.
- NSA: National Security Agency
- Mitre/Gemini
- Kevin Kennedy Association
- Sharjah Chamber of Commerce and Industry
- Motorola: 2 grants
- Texas Instruments: 2 grants
- Intel: 2 grants
- TransSoft
- Gerhard Cibis Ltd.
- Fulbright
- Nokia
- World Bank/UJRC
- Social Policy Grant
- WNCS Grant
- Fordham University
- Monmouth University
- UNESCO: 2 grants
- Tithe Award
- PSC-CUNY 3 grants
- UMC 2 grants
- MRAA
- ODA/JUST
- UMC 2 grants
- MRAA
- ODA/JUST
- PSC: Professional Staff Congress
- UNESCO: United Nations Education, Science, and Culture Organization
- UMC: University of Missouri-Columbia
- MRAA: Missouri Research Assistant Act
- ODA: Overseas Development Agency (UK)

Consulting: Consulted for Several Corporations.

Graduate Students Supervision: Supervised numerous M.S. Theses and produced several **Ph.D. dissertations**. Former graduate students have been hired by universities, and industry worldwide.

Administrative Committees: I have served on numerous administrative committees in several universities including:

Deans Council, College Council Chair, IT Governance Committee, University Council, Chair of Graduate Studies Committee, Quality Assurance Committee, ABET Committee Coordinator, CS Outcome Assessment Director, Chair of Faculty Search Committee, Peer Teaching Observer, University Cross Cultural Committee, CSSE Academic Committee, School Personnel Committee, Chair, Faculty Search Committee, University Outcome Assessment Committee, Chair of the CS Departmental Committee on Tenure, Research Committee, Promotion Committee, Departmental Committee on Tenure, Cross Cultural Committee, Chair of the Dept. of Computer Science, Monmouth University, Director, Graduate Studies Committee, Member, Ad Hoc Committee on Engineering Education, Supervising Committee of Information Technology, Faculty Senate Member, CUNY, Laboratories Supervisor, CCNY, Member, Curriculum Committee, CCNY, Planning Committee, CCNY, Ph.D. Qualifying Exam Coordinator, CUNY, Computer Engineering Laboratory Supervisor, CCNY, Member of the Doctoral Committee at the CUNY, Member of the IEEE Admission and Advancement Committee, Member of the Executive Committee of the Kansas City Section of the IEEE, 1990-1992, Chair, IEEE Computer Society- Kansas City Chapter, 1991-1992.

Courses Taught:

I have taught numerous courses at all levels. Among these:

Graduate Level:

- Cyber security
- AI
- Advanced Machine Learning
- Big Data Analytics
- Biometric based security
- Wireless Networks Systems and Security.
- Advanced Wireless Networking
- Security of e-Systems and Computer Networks
- Security of Wireless Networks Systems.
- Telecommunications
- Neural Networks and Learning Automata
- Computer Networks
- Research Methods
- Personal and Professional Skills Development
- LANs/MANs
- Computer System Architecture

- Fundamentals of Computer Security and Cryptography
- Wireless Communications and Networks.
- Modeling and Simulation
- Performance Evaluation of Computer Systems
- Parallel Processing
- Microcomputer Architecture, Interfacing and Programming
- Parallel Computer Architecture
- Computer Architecture II
- Advanced Computer Architecture.
- Many Individual Study Courses during the years I have been in Academia.

Undergraduate Level:

- Introduction to Biometric-Security
- Introduction to AI
- Machine Learning Foundation
- Introduction to Computer Networks
- Introduction to AI
- Machine Learning Foundation
- Cybersecurity Essentials
- Digital Logic Design
- Digital Logic Laboratory
- Microprocessor Systems
- Microprocessor Lab.
- Advance Microprocessor Laboratory
- Computer Organization
- Computer architecture I.
- Communication Systems.
- Operating Systems
- Computer Networks
- Assembly Language Programming
- Computer Organization
- Capstone Project
- Senior Design Project

Industrial Training and Continuing Education Courses

- Security of e-Systems and Computer Networks
- AI and Machine Learning
- Biometrics
- Biometric Security
- Fundamentals of Wireless Networks Systems
- Fundamentals of Performance Evaluation of Computer and Telecommunication System
- Modeling and Simulation of Computer Systems and Networks
- Performance Evaluation of Computer Systems

- Performance Evaluation of Computer and Telecommunication Systems
- High Speed Networking
- Broadband Networks.
- Distributed and Parallel Simulation
- Distributed Interactive Simulation
- Microprocessor Architecture and Programming
- Artificial Neural Networks and Their Applications

Research Areas:

- Cyber Security
- Artificial Intelligence
- Machine Learning
- Data Analytics
- Wireless Networks
- Security and Privacy
- Security of E-Systems
- Internet of Things (IoT)
- Computer Networks
- Computers Communications and Telecommunications
- Performance Evaluation of Computer Networks and Systems
- Modeling and Simulation
- Biometric-based Security
- Neural Networks and AI Machine Learning,
- Learning Automata and Adaptive Learning
- Parallel Computing: Architecture, and Algorithms.
- Computer Architecture
- High Performance Computers/Computing and Networking.
- Adaptive Learning, Applied Neural Networks and Pattern Recognition
- Digital Watermarking
- Speech Recognition.