

Appointments and Service Activities

Editorship (reverse chronology on the end date)

- *Current Appointments*
 - Journal of Parallel and Distributed Computing (2018 – Present).
 - ACM Computing Surveys (2018 – Present).
 - IEEE Access (2014 – Present).
 - IEEE Communications Surveys and Tutorials (2013 – Present).
 - IEEE IT Pro (2015 – Present).
 - IET Wireless Sensor Systems (2016 – Present).
 - IET Cyber-Physical Systems: Theory and Applications (2016 – Present).

- *Past Appointments*
 - Scalable Computing and Communications, Springer (2012 – 2013 and 2016 – 2017).
 - IEEE Cloud Computing (2014 – 2016).
 - IEEE Transactions on Computers (2014 – 2015).
 - Informatica, Slovene Informatika Society (2009 – 2015).
 - Interdisciplinary Sciences, Springer (2009 – 2015).
 - Cluster Computing, Springer (2010 – 2015).
 - International Journal of Communication Systems, Wiley (2009 – 2015).
 - Security and Communication Networks, Wiley (2009 – 2015).
 - Journal of Communication Networks and Distributed Systems, Inderscience (2009 – 2015).
 - International Journal of Distributed Systems and Technologies, IGI Global (2009 – 2015).
 - International Journal of Grid and Utility Computing, Inderscience (2011 – 2015).
 - Journal of Cloud Computing, Springer (2014 – 2015).
 - Journal of Information Technology Research, IGI Global (2009 – 2015).
 - Multiagent and Grid Systems, IOS press (2009 – 2015).
 - International Journal of Green Computing, IGI Global (2009 – 2013).
 - Information Systems, Elsevier (2009 – 2011).

Expert Panelist for Professional Organizations, Conferences, and Agencies (listed as top down hierarchy)

- Chair of the Steering Committee of the IEEE Technical Area in Green Computing (2011 – Present).
- Vice Communication Chair of the IEEE Special Technical Community on Sustainable Computing (2015 – Present).
- Member of the Executive Committee of the IEEE Technical Committee on Scalable Computing (2011 – Present).
- Member of the IEEE Technical Committee on Cyber-Physical Cloud Systems (2010 – Present).
- Member of the IEEE SMC Technical Committee on Cybermatics (2017 – Present).
- Member of the Advisory Committee on the IET Big Data book series (2015 – Present).
- Proposal review panelist for the National Science Foundation (NSF), USA.
- Proposal review panelist for the Department of Defense (DoD), USA.
- Proposal review panelist for the US National Academy of Sciences (NAS), USA.
- Proposal review panelist for the European Research Council (ERC), European Union.
- Proposal review panelist for the Agence Nationale de la Recherche (ANR), France.

- Proposal review panelist for the Natural Sciences and Engineering Research Council (NSERC), Canada.
- Proposal review panelist for the Research Council (TRC), Sultanate of Oman.
- Proposal review panelist for the National Science Centre (NSC), Poland.
- Proposal review panelist for the Netherlands Science Foundations (NWO and STW), Netherlands.
- Proposal review panelist for the National Center of Science and Technology (NCST), Kazakhstan.
- Member of the panel on “cloud computing” as part of International Conference on Frontiers of Information Technology (FIT), 2012.
- Member of the panel on “green computing” as part of ACM/IEEE/IFIP International Conference on High Performance Computing and Simulation (HPCS), 2010.

Conference Organizational Committee Memberships (listed as top down hierarchy)

- General Co-Chair of the Scalable Solutions for GreenIT (SCALSOL) as part of the IEEE International Conference on Scalable Computing and Communications (SCALCOM), 2011.
- General Co-Chair of the Workshop on Scalable Optimization in Intelligent Networking (SCOPIN) as part of the IEEE International Conference on Network-Based Information Systems (NBIS), 2011.
- General Co-Chair of the Workshop on Optimization Issues in Energy Efficient Distributed Systems (OPTIM) as part of the ACM/IEEE/IFIP International Conference on High Performance Computing and Simulation (HPCS), 2010.
- General Co-Chair of the Workshop on GreenIT Evolutionary Computation as part of the ACM Genetic and Evolutionary Computation Conference (GECCO), 2011, 2012.
- Co-Chair of the Track on Metaheuristics and Green Computing as part of the International Conference on Metaheuristics and Naturally Inspired Computing (META), 2010, 2011, 2012.
- Co-Chair of the Track on High Performance Green Computing as part of the International Conference on Parallel, Distributed, Grid and Cloud Computing for Engineering (PARENG), 2011.
- Chair of the Advisory Committee of the IEEE International Conference on Pervasive Intelligence and Computing (PICom), 2018.
- Member of the Steering Committee of the IEEE International Conference on Scalable Computing and Communications (ScalCom), 2014, 2015.
- Member of the Steering Committee of the IEEE/ACM International Conference on Green Computing and Communications (GreenCom), 2011, 2012, 2013.
- Member of the Steering Committee of the International Conference on Eco-Friendly Computing and Communication Systems (ICECCS), 2014, 2015.
- Member of the Steering Committee of the IEEE International Conference on Frontiers of Information Technology (FIT), 2016, 2017, 2018.
- Member of the Organizing Committee of the International Conference on Computational and Systems Biology (ICCSB), 2010.
- Member of the Advisory Board of the European Conference on Modeling and Simulation (ECMS), 2011, 2012.
- Member of the International Advisory Committee of the International Conference on Advanced Computing and Communication Systems (ICACCS), 2013.
- Member of the International Advisory Committee of the International IT Summit Confluence, 2012.
- Technical Program Committee Co-Chair of the IEEE International Conference on Data Science and Data Intensive Systems (DSDIS), 2015.
- Technical Program Committee Co-Chair of the IEEE International Conference on Cloud Networking (CloudNet), 2014.
- Technical Program Committee Co-Chair of the ACM/IEEE International Conference on Frontiers of Information Technology (FIT), 2011, 2012, 2013, 2014, 2015.

- Technical Program Committee Vice Chair of the IEEE/ACM International Conference on Green Computing and Communications (GreenCom), 2010.
- Technical Program Committee Co-Chair of the IEEE International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC), 2011.
- Technical Program Committee Co-Chair of the IEEE International Conference on Smart Grid and Home (SGH), 2011.
- Technical Program Committee Vice Chair of the IEEE International Conference on Big Data and Cloud Computing (BdCloud), 2014.
- Technical Program Committee Vice Chair of the IEEE International Conference on Contemporary Computing (IC3), 2016.
- Technical Program Committee Vice Chair of the IEEE International Conference on Cloud Computing Technology and Science (CloudCom), 2012.
- Technical Program Committee Vice Chair of the IEEE International Conference on Data Science and Systems (DASS), 2016.
- Technical Program Committee Vice Chair of the IEEE International Conference on Sustainable Computing and Communications (SustainComm), 2015.
- Track Chair of the IEEE International Conference on Network-Based Information Systems (NBIS), 2011.
- Track Co-Chair of the International Conference on Intelligent Networking and Collaboration Systems (INCoS), 2017.
- Workshop Chair of the 19th IEEE Conference on High Performance Computing and Communications (HPCC), 2017.
- Workshop Co-Chair of the IEEE International Conference on Scalable Computing and Communications (SCALCOM), 2011.
- Proceedings Chair of the IEEE/ACM International Conference on Utility and Cloud Computing (UCC), 2016.
- Industrial Co-Chair of the ACM/IEEE International Conference on Frontiers of Information Technology (FIT), 2010.
- Co-Chair of Local Arrangements of the IEEE International Symposium on High-Performance Computer Architecture (HPCA), 2019.

Conference Program Committee Memberships (listed alphabetically)

- ACM Cloud and Autonomic Computing Conference (CAC), 2013.
- ACM/IEEE International Conference on Big Data Science, Engineering and Applications (BDSEA), 2016.
- ACM Workshop on Energy Efficient High Performance Parallel and Distributed Computing (EEHPDC), 2013.
- ACS/IEEE International Conference on Computer Systems and Applications (AICCSA), 2010.
- Asian Conference on Intelligent Information and Database Systems (ACIIDS), 2014.
- IEEE/ACM International Conference on Cloud and Utility Computing (UCC), 2015, 2016.
- IEEE/ACM International Conference on High Performance Computing (HiPC), 2011.
- IEEE/ACM International Symposium on Cluster, Cloud, and Grid Computing (CCGrid), 2012.
- IEEE Consumer Communication and Networking Conference (CCNC), 2009, 2010, 2011, 2012, 2013, 2014.
- IEEE Global Communications Conference (GLOBECOM), 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016.
- IEEE International Conference on Advanced Cloud and Big Data (ICCD), 2013, 2014.
- IEEE International Conference on Advances in Cloud Computing (ACC), 2012.
- IEEE International Conference on Advances in Computing, Communications, and Informatics (ICACCI), 2014.
- IEEE International Symposium on Big Data Security on Cloud (BigDataSecurity), 2015, 2016.
- IEEE International Conference on Cloud and Service Computing (CSC), 2011, 2012, 2013.

- IEEE International Conference on Communication Systems and Network Technologies (CSNT), 2014.
- IEEE International Conference on Communications (ICC), 2011, 2012, 2013, 2014, 2015, 2016, 2017.
- IEEE International Conference on Communications and Network Security (CNS), 2015.
- IEEE International Conference on Computational Science and Engineering (CSE), 2019.
- IEEE International Conference on Computer Communications (INFOCOM), 2012, 2018, 2019.
- IEEE International Conference on Computer Communications and Networks (ICCCN), 2014.
- IEEE International Conference on Computer Science and its Applications (CIIA), 2013.
- IEEE International Conference on Computers, Software and Applications (COMPSAC), 2016, 2018.
- IEEE International Conference on Contemporary Computing (IC3), 2012, 2013, 2014, 2015.
- IEEE International Conference on Cyber-enabled Distributed Computing and Knowledge Discovery (CyberC), 2015.
- IEEE International Conference on Edge Computing and Scalable Cloud (EdgeCom), 2019.
- IEEE International Conference on Future Information Technology (FutureTech), 2011.
- IEEE International Conference on Intelligent Data and Security (IDS), 2016.
- IEEE International Conference on Network Softwarization (NetSoft), 2015.
- IEEE International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC), 2012.
- IEEE International Conference on Parallel and Distributed Systems (ICPADS), 2016.
- IEEE International Conference on Parallel Processing (ICPP), 2015.
- IEEE International Conference on Pervasive Computing and Communications (PerCom), 2018.
- IEEE International Conference on Smart Cloud (SmartCloud), 2018.
- IEEE International Conference on Systems, Man, and Cybernetics (SMC), 2013, 2014, 2015.
- IEEE International Conference on Wireless Communications, Networking and Information Security (WCNIS), 2010.
- IEEE International Green and Sustainable Computing Conference (IGSC), 2016.
- IEEE International Parallel and Distributed Processing Symposium (IPDPS), 2011, 2012, 2013, 2014, 2015, 2016.
- IEEE International Performance Computing and Communications Conference (IPCCC), 2012, 2013, 2014.
- IEEE International Symposium on Computer Architecture and High-Performance Computing (SBAC-PAD), 2012.
- IEEE International Symposium on High Performance and Smart Computing (HPSC), 2015, 2016.
- IEEE International Symposium on Multimedia (ISM), 2007.
- IEEE International Symposium on Network Computing and Application (NCA), 2018.
- IEEE International Symposium on Parallel and Distributed Computing (ISPDC), 2014, 2015, 2016.
- IEEE International Symposium on Programming and Systems (ISPS), 2011, 2013.
- IEEE International Symposium on Signal Processing and Information Technology (ISSPIT), 2014.
- IEEE International Workshop on Data Center Performance (DCPerf), 2012, 2013, 2014, 2015, 2016, 2017.
- IEEE International Workshop on Digital Computing Infrastructure and Applications (DCIA), 2010, 2011, 2012.
- IEEE International Workshop on Internet of Things and Internet of Services: Cyber-Physical Systems (IoT-IoS), 2010.
- IEEE International Workshop on IT Converged Services and Applications (ITCSA), 2011.
- IEEE International Workshop on Security in e-Science and e-Research (ISSR), 2011, 2012, 2013, 2014.
- IEEE International Workshop on Wireless and Internet Services (WISE), 2010, 2012.
- IEEE International Workshop Towards Smart Communications and Network technologies applied on Autonomous Systems (SaCoNAS), 2010.
- IEEE Wireless Communications and Networking Conference (WCNC), 2013.
- IEEE Vehicle Power and Propulsion Conference (VPPC), 2015.

- IFIP International Conference on Network and Parallel Computing (NPC), 2013.
- IFIP International Conference on New Technologies, Mobility and Security (NTMS), 2011.
- International Conference on Advances in Information Technology (IAIT), 2015.
- International Conference on Applied Informatics (ICAI), 2018.
- International Conference on Cloud Computing Technologies and Applications (CLOUDTECH), 2015.
- International Conference on Cloud and Green Computing (CGC), 2013.
- International Conference on Communication Technology (ICCT), 2006.
- International Conference on Complex Distributed Systems (CODS), 2010, 2011.
- International Conference on Computational Intelligence (ICCI), 2005.
- International Conference on Computing, Networking and Communications (ICNC), 2012, 2013.
- International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN), 2013, 2014.
- International Conference on ICTs for Disaster Management (ICT-DM), 2014.
- International Conference on ICT as Key Technology for the Fight against Global Warming (ICT-GLOW), 2011, 2012.
- International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing (IMIS), 2013.
- International Conference on Internet Engineering (ICIE), 2006.
- International Conference on Model and Data Engineering (MEDI), 2014.
- International Conference on Multimedia and Ubiquitous Engineering (MUE), 2008, 2009.
- International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA), 2006, 2007, 2008, 2009, 2010.
- International Conference on Parallel and Distributed Systems (PDS), 2005.
- International Symposium on Security and Multimodality in Pervasive Environments (SMPE), 2010.
- International Symposium on u- and e- Service, Science and Technology (UNESST), 2008.
- International Workshop on Trust, Security and Privacy for Big Data (TrustData), 2013.
- Workshop on Collaboration in Virtual Environments (CoVE), 2012.

Refereeing (listed alphabetically)

- ACM Journal on Emerging Technologies in Computing Systems.
- ACM Transactions on Storage.
- ACM Transactions on Modeling and Computer Simulation.
- Advances in Information Sciences and Service Sciences.
- AIP/IEEE Computing in Science and Engineering.
- Computer Networks.
- Computers and Mathematics.
- Concurrency and Computation: Practice and Experience.
- CRC Press Book Series.
- Elsevier Book Series.
- Future Generation Computer Systems.
- IEEE Computer.
- IEEE Communications Letters.
- IEEE Distributed Systems Online.

- IEEE Systems Journal.
- IEEE Sensors Journal.
- IEEE Transactions on Circuits and Systems for Video Technology.
- IEEE Transactions on Cloud Computing.
- IEEE Transactions on Communications.
- IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems.
- IEEE Transactions on Dependable and Secure Computing.
- IEEE Transactions on Emerging Topics in Computing.
- IEEE/ACM Transactions on Networking.
- IEEE Transactions on Parallel and Distributed Systems.
- IEEE Transactions on Pattern Analysis and Machine Intelligence.
- IET Book Series.
- International Journal of Computers and their Applications.
- International Journal of Grid and High-Performance Computing
- International Journal of Parallel Programming.
- Journal of Heuristics.
- Journal of Internet Services and Applications.
- Journal of Network and Computer Applications.
- Journal of Signal Processing Systems.
- Journal of Supercomputing.
- Nature.
- Pervasive and Mobile Computing.
- Optical Engineering.
- Recent Patents on Computer Science.
- Sensors.
- Software: Practice and Experience.
- Sustainable Computing.
- Telematics and Informatics.
- Wiley Book Series.
- Wireless Communications and Mobile Computing.

University/College/Department Service (reverse chronology on the end date)

- North Dakota University System Task Force on Cybersecurity, Member, 2015 – 2016.
- NDSU Advisor Board for Student Affairs, Member, 2015 – 2016.
- NDSU Organization of Pakistani Students, Faculty Advisor, 2014 – 2016.
 - Recipient of the 2014/2015 Student Organization of the Year Award
 - Recipient of the 2014/2015 Best Cultural/Diversity Program of the Year Award
 - The Organization President, S. O. Ahmed was the 2014/2015 Student Leader of the Year awardee
- NDSU Graduate Affiliated Status Committee, Member, 2015 – 2016.
- NDSU Graduate Council, Member, 2014 – 2016.
- NDSU Graduate School Appeal Committee, Member, 2015.

- NDSU Director of the Office of Institutional Research, Member, 2015.
- Program Review Committee, Member, 2014 – 2015.
- CoE Grant Coordinator Search Committee, Member, 2014.
- NDSU Provost Search Committee, Member, 2013 – 2014.
- ECE Computer Engineering Curriculum Committee, Chair, 2013 – 2014.
- ECE Research Web Portal, Maintainer, 2009 – 2013.
- ECE Chair Search Committee, Member, 2010 – 2013.
- ECE Faculty Search Committee, Member, 2011 – 2012.

Community Service

- AccessEngineering Leadership Team, Disabilities, Opportunities, Internetworking, and Technology (DO-IT), University of Washington, Member, 2015 – 2016.
- Community Advisory Board of Prairie Public, (Public Broadcasting Service (PBS)), Member, 2013 – 2016.