

## Statement

It will be a great pleasure for me to serve our eHealth TC passionately and with all of the dedication that I have. For over 12 years, I have volunteered for IEEE and ComSoc in a variety of roles, including SIG Chair of the IEEE ComSoc eHealth Technical Committee (TC) on AI for eHealth (Since 2020); Technical/Associate Editor of IEEE ComSoc or IEEE Journals/Magazines (IEEE Network, IEEE Wireless Communications, IEEE Transactions on Multimedia, IEEE Transactions on Instrumentation and Measurement, IEEE Multimedia, and IEEE Access); Lead Guest Editor of several IEEE ComSoc or IEEE Journals/Magazines on healthcare (IEEE ComMag, IEEE Network, IEEE TCC, IEEE TCE, IEEE JBHI); a distinguished lecturer of the IEEE ComSoc (2021-2023), Chair of SAC eHealth with GC 2024, Founding workshop Co-Chair on Edge-AI-IoT for Connected health with IEEE GC (3 times), Workshop Co-Chair of Multimedia Services & Tech. (MUST) for eHealth (6 times) and Smart Health (3 Times) with IEEE ICME, IEEE Societies/Councils Liaison Officer of the IEEE CTSoc Consumer Systems for Healthcare and Wellbeing (CSH TC), to name a few. Besides the above, I have extensive publications (100+ on AI/IoT for Healthcare/eHealth/Smart Connected Health) and involved in several eHealth/healthcare-related mega projects securing \$1.5 million. Based on my substantial professional and technical contributions as well as my active involvement with IEEE, I aim to leverage my diverse experience to support the current officer to undertake the following initiatives as secretary of the IEEE ComSoc eHealth TC:

- Support and enhance global diversity and inclusion in membership, by taking gender, age, and geographical location into account, while working with our respected eHealth TC members and current as well as previous officers.
- Promote and expand the range of activities and events related to our TC's best interests, such as technical talks, webinar series, Distinguished Lecture Series, tutorials, and forums in order to increase the visibility of our TC to other IEEE societies, showcasing how cutting-edge technological innovation in eHealth-based initiatives has impacted humanity and society.
- Promote and encourage collaborative participation as well as contributions of our TC members in joint publications, special issues, international projects, technical visits, technical activities, conferences, and workshops.

If elected, it would be an honor to represent you and the IEEE ComSoc eHealth TC. I pledge to do so with integrity and inclusiveness, as well as in your best interests, in order to preserve and strengthen the eHealth TC's current standing in collaboration with you (TC members, N&E Committee and Officers) and with IEEE ComSoc. With my significant technical and professional experiences, as well as high-impact research contributions in the field as a Clarivate Highly Cited Researcher, I am humbled to contribute significantly to eHealth TC in order to fulfill its mission, vision, and objectives in addition to the previously mentioned initiatives.

Thanks in advance for your kind support.

**Name: M. Shamim Hossain**

**Contact Information:**

**Email:** [shamimca@gmail.com](mailto:shamimca@gmail.com); [mshossain@ksu.edu.sa](mailto:mshossain@ksu.edu.sa)

**Web:** <http://fac.ksu.edu.sa/en/mshossain/home>

**Google Scholar:** <https://scholar.google.com/citations?user=E2qi5HwAAAAJ>

*M. Shamim Hossain* is currently a Professor at the Department of Software Engineering, College of Computer and Information Sciences, King Saud University, Riyadh, Saudi Arabia. He is also an Adjunct Professor with the School of Electrical Engineering and Computer Science, University of Ottawa, Canada. He received his Ph.D. in Electrical and Computer Engineering from the University of Ottawa, ON, Canada. His research interests include cloud networking, smart environment (smart city, smart health, ehealth), AI, deep learning, edge computing, Internet of Things (IoT), multimedia for health care, and multimedia big data. He has authored and co-authored more than 350 publications (200+ in IEEE, 100+ articles on AI/DL/IoT for Healthcare, and several ESI highly cited papers on Healthcare) with google scholar citations over 19300+, and an h-index of 80. Recently, he co-edited a springer book on XAI for Multimedia Health. He is the **SIG Chair** of Artificial Intelligence (AI) for eHealth with **IEEE ComSoc eHealth TC**. He is the Technical Program Co-Chair of ACM Multimedia 2023. Currently, he is the Chair of the Saudi Arabia Section Instrumentation and Measurement Society Chapter. He is on the editorial board of *the IEEE Transactions on Instrumentation and Measurement (TIM)*, *IEEE Transactions on Multimedia (TMM)*, *ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM)*, *IEEE Multimedia (MM) (2019-2023)*, *IEEE Network*, *IEEE Wireless Communications (till 2022)*, *IEEE Access (2016 - 2022)*, *Journal of Network and Computer Applications (Elsevier)*. He has served as a Lead Guest Editor on AI/IoT on Healthcare for more than two dozen of Special Issues (SIs) including *IEEE Transactions on Consumer Electronics*, *IEEE Communications Magazine*, *IEEE Network*, *IEEE JBHI*, and *IEEE Transactions on Cloud Computing*. He has received research grants and contracts totaling more than \$1.5 million on AI/IoT/Cloud on healthcare. He is a senior member of the IEEE and a Distinguished Member of the ACM. He is an IEEE ComSoc Distinguished Lecturer (DL). He is the Clarivate Highly Cited Researcher.

## IEEE ComSoc Activities

*Current eHealth TC - SIG Chair*, Artificial Intelligence (AI) for eHealth, IEEE ComSoc eHealth TC

### Conference Activities:

- **Chair**, Selected Areas in Communications - eHealth, IEEE GLOBECOM 2024, South Africa
- **Co-Chair**, 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> IEEE GLOBECOM Workshop on Edge-AI and IoT for Connected Health (3 times)
- **Co-Chair**, 1st IEEE GLOBECOM 2019 Workshop on The Advances of the Internet of Things and Cloud for Smart Connected Living (AIoTCSCL 2019). Waikoloa, HI, USA

### Editorial Activities with ComSoc Publications:

- **Technical Editor**, IEEE Network
- **Technical Editor**, IEEE Wireless Communications (2019-2022)
- **Lead GE**, IEEE Communications Magazine, Advances of NGN Technologies for Smart Healthcare, 2018
- **Lead GE**, IEEE Network Magazine, AI-enabled Networking Technologies for Tackling Epidemic Diseases, 2020

**IEEE Distinguished Lecturer**, IEEE Communications Society (ComSoc) (2021-2023)

## Other IEEE Society Activities

- **Track Chair**, IEEE International Conference on Consumer Electronics (ICCE), January 2024, Las Vegas, USA.
- **IEEE Societies/Councils Liaison Officer**, IEEE CTSoc Consumer Systems for Healthcare and Wellbeing (CSH TC)
- **Chair**, Saudi Arabia Section of the Instrumentation and Measurement Society Chapter
- **Organizing Co-Chair**, Special Sessions with IEEE I2MTC 2022
- **Special Session Co-Chair**, "AI- Enabled technologies for smart health monitoring", with IEEE I2MTC 2021
- **Workshop Co-chair**: Multimedia Services and Technologies for smart-health/E-Health (MUST-SH/EH) 2011-2019 with IEEE International Conference on Multimedia and Expo (ICME) [9 times in a row]
- **Publicity Co-Chairs**, 3<sup>rd</sup> IEEE Intl. Conf. on Multimedia Information Processing and Retrieval (MIPR 2020)
- **Associate/Technical Editor**: IEEE TMM, IEEE TIM, IEEE MM, and IEEE Access