Saiful Islam

B-102, 5-10 Sageundong 8(pal)ga-gil, Seongdong-gu | Seoul-04763, South Korea, | +8201067839016 | **saifulbd@hanyang.ac.kr**

Education

Hanyang University, Seoul, South Korea

Ph.D. in Electronic Engineering | 2019-2024(expected)

- CGPA - 4.25 out of 4.5 (continued)

Daffodil International University, Dhaka, Bangladesh

BSc. in Electrical and Electronic Engineering | 2014-2018

- CGPA - 3.85 out of 4

Experience

2019 – Present

Graduate Research Assistant | Hanyang University

- Spearheaded research and development of advanced antennas for smartphones and implantable devices, optimizing signal quality and energy efficiency.
- Led interdisciplinary teams to ensure compliance with international electromagnetic safety standards, minimizing potential health risks.
- Developed and implemented testing protocols to evaluate electromagnetic emissions and their effects on human tissues, contributing to product safety assessments.

Teaching Assistant | Hanyang University | Summer-2021

- Conducted weekly lab experiments and discussions for a group of 30 students in the Biomedical Circuit and System lab for the undergraduate program.

Skills and Interests

Computer: HFSS, CST, Sim4life, ADS, EMPro, EasyEDA, etc.

Programming: MATLAB, Python, C, C++.

Languages: Bengali (native), English, Hindi.

Interests: Traveling, Football, Cricket.

Publications

- S. Islam, M. Zada and H. Yoo, **"*Low-Pass Filter Based Integrated 5G Smartphone Antenna for Sub-6-GHz and mm-Wave Bands,*"** in IEEE Transactions on Antennas and Propagation, vol. 69, no. 9, pp. 5424-5436, Sept. 2021, doi: 10.1109/TAP.2021.3061012.
- S. Islam, M. Zada and H. Yoo, ***"Highly Compact Integrated Sub-6 GHz and Millimeter-Wave Band Antenna Array for 5G Smartphone Communications,"*** in IEEE Transactions on Antennas and Propagation, 2022, doi: 10.1109/TAP.2022.3209310.
- S. Islam, M. Zada and H. Yoo, ***"Low-Profile P-I-N-Diode-Controlled Bezel Fit Radiation-Pattern Reconfigurable Antenna Arrays for 5G Smartphones,"*** in IEEE Transactions on Antennas and Propagation, vol. 71, no. 8, pp. 6470-6480, Aug. 2023, doi: 10.1109/TAP.2023.3285109.
- And three local conference papers.