



**Dr. Mostafa Zaman Chowdhury**  
Professor

**Research Area** 5G/6G, Internet of Everything (IoE), Wireless Communications, Optical Wireless Communication (OWC)

## Biography

**Prospective motivated students are welcome to join my research group. I am also looking forward for coolaboration.**

[ORCID](#) [SCOPUS](#) [GoogleScholar](#) [IEEE Xplore](#)

**MOSTAFA ZAMAN CHOWDHURY** received the B.Sc. degree in electrical and electronic engineering from the Khulna University of Engineering & Technology (KUET), Bangladesh, in 2002, and the M.Sc. and Ph.D. degrees in electronics engineering from [Kookmin University](#), South Korea, in 2008 and 2012, respectively. In 2003, he joined the Electrical and Electronic Engineering Department, KUET as a Lecturer, where he is currently working as a Professor. He was a Postdoctoral Researcher with Kookmin University from 2017 to 2019. He has published around 130 research papers in national and international conferences and journals. In 2008, he received the Excellent Student Award from Kookmin University. His three papers received the Best Paper Award at several international conferences around the world. He was involved in many Korean government projects. His research interests include convergence networks, QoS provisioning, small-cell networks, Internet of Things, eHealth, 5G and beyond communications, and optical wireless communication. Prof. Chowdhury received the Best Executive Editor Award 2024 by for [ICT Express](#) (Elsevier) journal. He received the Best Reviewer Award 2018 by for [ICT Express](#) (Elsevier) journal. Moreover, he received the Education and Research Award 2018 given by Bangladesh Community in South Korea. He was a TPC Chair of the International Workshop on 5G/6G Mobile Communications in 2017 and 2018. He was the [Publicity Chair](#) of the International Conference on Artificial Intelligence in Information and Communication, 2019 to 2025. He served as a Reviewer for many international journals and IEEE conferences. He has been working as an [Executive Editor](#) for *ICT Express*, an [Associate Editor](#) of *IEEE Access*, an [Associate Editor](#) of *Frontiers in Communications and Networks*, a [Lead Guest Editor](#) for *Wireless Communications and Mobile Computing*, and a [Guest Editor](#) for *Applied Sciences*. He has served as a TPC member for several IEEE conferences. Dr. Chowdhury is a Senior Member of [Institute of Electrical and Electronic Engineers \(IEEE\)](#) and Life Member of [Institute of Engineers Bangladesh \(IEB\)](#).

**Professor:** Dept. of EEE, KUET.

**Postdoc Research Fellow:** [Kookmin University](#), 2017 to 2019.

**Executive Editor:** [ICT Express](#) (Elsevier)

**Associate Editor:** [IEEE Access](#)

**Associate Editor:** [Frontiers in Communications and Networks](#)

**Lead Guest Editor:** [Wireless Communications and Mobile Computing](#)

**Guest Editor:** [Applied Sciences](#) (MDPI)

**Selected Reviewer:** IEEE, Elsevier, Springer, ScienceDirect, Wiley, MDPI, and Hindawi published journals

**TPC Chair:** International Workshop on 5G/6G Mobile Communications, 2017 and 2018.

**Publicity Chair:** [International Conference on Artificial Intelligence in Information and Communication](#), 2019-2025

**TPC Member:** Many IEEE conferences around the world

## Education

### Ph.D in Electronics Engineering

Kookmin University, South Korea (2008-2012) Achievement: Excellent Student Award

**Thesis Title:** [Adaptive Resource Management for Multimedia Applications in Femtocellular and Macrocellular Networks](#)

### M.Sc in Electronics Engineering

Kookmin University, South Korea (2006-2008) Achievement: Best student award

**Thesis Title:** [Call Admission Control for QoS Provisioning in Convergence Networks](#)

### B.Sc. in Electrical and Electronic Engineering

Khulna University of Engineering & Technology (KUET), Bangladesh (1998-2002)

**Thesis Title:** [Motion Estimation of Ultrasonographic Movie by Optical Flow Global Optimization Method](#)

### Posdoc

Kookmin University, South Korea (2017-2019)

It was under the Korea Research Fellowship (KRF) program supported by National Research Foundation of Korea (NRF).

## Service Records

- **Member, Consultancy Research & Testing Services**  
**Department/Section:** Electrical and Electronic Engineering  
**Khulna University of Engineering & Technology (KUET)** From 18-02-2003 to 01-01-1970

- **Professor**  
**Department/Section:** Electrical and Electronic Engineering  
**Khulna University of Engineering & Technology (KUET)** From 21-04-2019 to 01-01-1970
- **Associate Professor**  
**Department/Section:** Electrical and Electronic Engineering  
**Khulna University of Engineering & Technology (KUET)** From 05-07-2015 to 20-04-2019
- **Assistant Professor**  
**Department/Section:** Electrical and Electronic Engineering  
**Khulna University of Engineering & Technology (KUET)** From 09-05-2006 to 04-07-2015
- **Lecturer**  
**Department/Section:** Department of Electrical and Electronic Engineering  
**Khulna University of Engineering & Technology (KUET)** From 18-02-2003 to 08-05-2006

## Research Interest

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### 5G/6G, Internet of Everything (IoE), Wireless Communications, Optical Wireless Communication (OWC)

Radio Resource Management  
Convergence of Heterogeneous Networks  
Small-cell and Femtocell Networks  
5G and Beyond Communications  
AI for Communications  
Internet of Things (IoT) and Internet of Everything (IoE)  
Optical Camera Communication (OCC)  
THz Communication

## Publication

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### Books

### Journals

65. M. Shahjalal, M. H. Rahman, M. M. Alam, M. Z. Chowdhury and a. Y. M. Jang, "DRL-Assisted Dynamic Subconnected Hybrid Precoding for Multi-Layer THz mMIMO-NOMA System," **IEEE Transactions on Vehicular Technology**, Apr. 2024 .
64. M. Hasanujjaman, M. Z. Chowdhury, M. T. Hossanand a. Y. M. Jang, "Autonomous Vehicle Driving in Harsh Weather: Adaptive Fusion Alignment Modeling and Analysis," **Arabian Journal for Science and Engineering**, vol. 49, May 2024 .
63. M. Saïam, M. Z. Chowdhury, S. R. Hasanand a. Y. M. Jang, "Reconfigurable Intelligent Surface Assisted BackCom: An Overview, Analysis, and Future Research Directions," **ICT Express**, vol. 9, no.5, Oct. 2023 .
62. M. A. B. S. Abir, M. Z. Chowdhury and a. Y. M. Jang, "Software-Defined UAV Networks for 6G Systems: Requirements, Opportunities, Emerging Techniques, Challenges, and Research Directions," **IEEE Open Journal of the Communications Society**, Jul. 2020 .
61. M. H. Rahman, M. Z. Chowdhury and a. Y. M. Jang, "Channel Estimation for Indoor Massive MIMO Visible Light Communication with Deep Residual Convolutional Blind Denoising Network," **IEEE Transactions on Cognitive Communications and Networking**, vol. 9, no.9, Jun. 2023 .
60. M. A. B. S. Abir, M. Z. Chowdhury and a. Y. M. Jang, "A Software-defined UAV Network Using Queueing Model," **IEEE Access**, May 2023 .
59. M. M. Islam, M. K. Islam, M. Shahjalal, M. Z. Chowdhury and a. Y. M. Jang, "A Low-Cost Cross-Border Payment System Based on Auditable Cryptocurrency With Consortium Blockchain: Joint Digital Currency," **IEEE Transactions on Services Computing**, vol. 16, no.3, pp.1616-1629, May 2023 .
58. M. Hasanujjaman, M. Z. Chowdhury and a. Y. M. Jang, "Sensor Fusion in Autonomous Vehicle with Traffic Surveillance Camera System: Detection, Localization, and AI Networking," **Sensors**, vol. 23, no.6, Mar. 2023 .
57. S. R. Hasan, M. Z. Chowdhury and a. Y. M. Jang, "Quantum Communication Systems: Vision, Protocols, Applications, and Challenges," **IEEE Access**, vol. 11, pp.15855-77, Feb. 2023 .
56. C. Das, M. Z. Chowdhury and a. Y. M. Jang, "A Novel Miniaturized mmWave Antenna Sensor for Breast Tumor Detection and 5G Communication," **IEEE Access**, pp.114856-68, Oct. 2022 .
55. M. M. Alam, M. H. Rahman, M. F. Ahmed, M. Z. Chowdhury and a. Y. M. Jang, "Deep learning based optimal energy management for photovoltaic and battery energy storage integrated home micro-grid system," **Nature Scientific Reports**, vol. 12, Sep. 2022 .
54. M. F. Ahmed, M. K. Hasan, M. Z. Chowdhury, N. C. Hoanand a. Y. M. Jang, "Continuous Status Monitoring of Industrial Valve Using OCC-Enabled Wireless Sensor Network," **IEEE Transactions on Instrumentation and Measurement**, vol. 71, Nov. 2022 .
53. M. K. Hasan, M. O. Ali, M. H. Rahman, M. Z. Chowdhury and a. Y. M. Jang, "Optical Camera Communication in Vehicular Applications: A Review," **IEEE Transactions on Intelligent Transportation Systems**, Jul. 2022 .
52. M. Shahjalal, M. K. Hasan, M. Z. Chowdhury and a. Y. M. Jang, "A Two-Stage Power Allocation Based NOMA Architecture for Optical Camera Communication," **IEEE Systems Journal**, vol. 15, no.2, Sep. 2021 .
51. S. Ahmed, M. Z. Chowdhury, S. R. Sabuj, M. I. Alamand a. Y. M. Jang, "Energy-Efficient UAV Relaying Robust Resource Allocation in Uncertain Adversarial Networks," **IEEE Access**, vol. 9, pp.21215 - 25, Apr. 2021 .
50. M. K. Hasan, M. Z. Chowdhury, M. Shahjalal, M. M. Islamand a. Y. M. Jang, "Optimum LED Coverage Utilization in OCC for Effective Communication with Mobile Robot," **IEEE/KICS Journal of Communications and Networks**, vol. 22, no.5, Oct. 2020 .
49. M. Z. Chowdhury, M. Shahjalal, S. Ahmedand a. Y. M. Jang, "6G Wireless Communication Systems: Applications, Requirements, Technologies, Challenges, and Research Directions," **IEEE Open Journal of the Communications Society**, vol. 1, Jul. 2020 .
48. M. Z. Chowdhury, M. T. Hossan, M. Shahjalaland a. Y. M. Jang, "A New 5G eHealth Architecture based on Optical Camera Communication: An Overview, Prospects, and Applications," **IEEE Consumer Electronics Magazine**, vol. 9, no.6, Nov. 2020 .
47. M. Z. Chowdhury, M. T. Rahman and a. Y. M. Jang, "An Analytical Hierarchy Process Combined with Game Theory for Interface Selection in 5G Heterogeneous Networks," **KSII Transactions on Internet and Information Systems**, **KSII Transactions on Internet and Information Systems**, vol. 14, no.4, Apr., 2020 .
46. S. Ahmed, M. Z. Chowdhury and a. Y. M. Jang, "Energy-Efficient UAV Relaying Communications to Serve the Legitimate Ground Nodes," **IEEE Communications Letters**, vol. 24, no.4, Apr. 2020 .

45. S. Ahmed, M. Z. Chowdhury and a. Y. M. Jang, "Energy Efficient UAV-to-User Scheduling with Throughput Maximization in Wireless Networks," **IEEE Access** , vol. 8, Jan. 2020 .
44. M. Z. Chowdhury, M. K. Hasan, M. Shahjalal, M. T. Hossan and a. Y. M. Jang, "Optical Wireless Hybrid Networks: Trends, Opportunities, Challenges, and Research Directions," **IEEE Communications Surveys and Tutorials** , vol. 22, no.2, Jan. 2020 .
43. M. K. Hasan, N. T. Le, M. Shahjalal, M. Z. Chowdhury and a. Y. M. Jang, "Simultaneous Data Transmission using Multilevel LED in Hybrid OCC/LiFi System: Concept and Demonstration," **IEEE Communications Letters** , vol. 23, no.12, Oct. 2019 .
42. M. Z. Chowdhury, M. Shahjalal, M. K. Hasan and a. Y. M. Jang, "The Role of Optical Wireless Communication Technologies in 5G/6G and IoT Solutions: Prospects, Directions, and Challenges," **Applied Sciences** , vol. 8, no.8, Oct. 2019 .
41. M. Shahjalal, M. K. Hasan, M. Z. Chowdhury and a. Y. M. Jang, "Smartphone Camera-Based Optical Wireless Communication System: Requirements and Implementation Challenges," **Electronics** , vol. 8, no.8, Aug. 2019 .
40. M. Z. Chowdhury, M. T. Hossan, M. K. Hasan and a. Y. M. Jang, "Integrated RF/Optical Wireless Networks for Improving QoS in Indoor and Transportation Applications," **Wireless Personal Communications** , vol. 107, no.3, Aug. 2019 .
39. M. Z. Chowdhury, M. J. Rahman, G. Muntean, P. V. Trinhand and J. C. Cano, "Convergence of Heterogeneous Wireless Networks for 5G-and-Beyond Communications: Applications, Architecture, and Resource Management," **Wireless Communications and Mobile Computing** , Jan. 2019 .
38. M. Z. Chowdhury, T. Fujii, G. Muntean, J. Choi and G. Araniti, "Emerging Small Cell Wireless Technologies for 5G: Architectures and Applications," **Wireless Communications and Mobile Computing** , Feb. 2018 .
37. M. K. Hasan, M. Shahjalal, M. Z. Chowdhury and a. Y. M. Jang, "Real-Time Healthcare Data Transmission for Remote Patient Monitoring in Patch-Based Hybrid OCC/BLE Networks," **Sensors** , vol. 19, no.5, Mar. 2019 .
36. M. T. Hossan, M. Z. Chowdhury, M. Shahjalal and a. Y. M. Jang, "Human Bond Communication with Head-mounted Displays: Scope, Challenges, Solutions, and Applications," **IEEE Communications Magazine** , vol. 57, no.2, Feb. 2019 .
35. M. K. Hasan, M. Z. Chowdhury, M. Shahjalal, V. T. Nguyen and a. Y. M. Jang, "Performance Analysis and Improvement of Optical Camera Communication," **Applied Sciences** , vol. 8, no.12, Dec. 2018 .
34. M. K. Hasan, M. Z. Chowdhury, M. Shahjalal and a. Y. M. Jang, "Fuzzy Based Network Assignment and Link-switching Analysis in Hybrid OCC/LiFi System," **Wireless Communications and Mobile Computing** , vol. 2018, Nov. 2018 .
33. M. Shahjalal, M. T. Hossan, M. K. Hasan, M. Z. Chowdhury, N. T. Le and a. Y. M. Jang, "An Implementation Approach and Performance Analysis of Image Sensor Based Multilateral Indoor Localization and Navigation System," **Wireless Communications and Mobile Computing** , Oct. 2018 .
32. M. Z. Chowdhury, M. T. Hossan and a. Y. M. Jang, "Interference Management Based on RT/nRT Traffic Classification for FFR-Aided Small Cell/Macrocell Heterogeneous Networks," **IEEE Access** , vol. 6, Jun. 2018 .
31. M. T. Hossan, M. Z. Chowdhury, M. K. Hasan, M. Shahjalal, T. Nguyen and N. T. Le and Jang, "A New Vehicle Localization Scheme based on Combined Optical Camera Communication and Photogrammetry," **Mobile Information Systems** , vol. 2018, Mar. 2018 .
30. M. Z. Chowdhury, M. T. Hossan, A. Islam and a. Y. M. Jang, "A Comparative Survey of Optical Wireless Technologies: Architectures and Applications," **IEEE Access** , vol. 6, Jan. 2018 .
29. A. Z. Shifat, M. Z. Chowdhury and a. Y. M. Jang, "Game-Based Approach for QoS Provisioning and Interference Management in Heterogeneous Networks," **IEEE Access** , vol. 6, pp.120-130, Jan. 2018 .
28. M. T. Hossan, M. Z. Chowdhury, A. Islam and a. Y. M. Jang, "A Novel Indoor Mobile Localization System based on Optical Camera Communication," **Wireless Communications and Mobile Computing** , vol. 2018, Jan. 2018 .
27. N. T. Le, M. Z. Chowdhury and a. Y. M. Jang, "IEEE 802.15.7m Short-Range Optical Wireless Communications," **IEEE Communications Standards Magazine** , Sept. 2017 .
26. M. A. Rahman, M. Z. Chowdhury and a. Y. M. Jang, "Uniform Fractional Band CAC Scheme for QoS Provisioning in Wireless Networks," **Journal of Information Processing Systems** , vol. 16, no.6, Dec. 2015 .
25. M. Z. Chowdhury and a. Y. M. Jang, "Quality-Aware Popularity Based Bandwidth Allocation for Scalable Video Broadcast over Wireless Access Networks," **Journal of Internet Technology** , vol. 16, no.6, Nov. 2015 .
24. M. Z. Chowdhury, M. A. Hossain, S. Ahmed and a. Y. M. Jang, "Radio Resource Management Based on Reused Frequency Allocation for Dynamic Channel Borrowing Scheme in Wireless Networks," **Wireless Networks** , vol. 21, no.8, Nov. 2015 .
23. A. Z. Shifat, M. Z. Chowdhury and a. Y. M. Jang, "A Game Theoretical Approach for QoS Provisioning in Heterogeneous Networks," **ICT Express** , vol. 1, no.3, Sep. 2015 .
22. M. Z. Chowdhury and a. Y. M. Jang, "Class-Based Service Connectivity using Multi-Level Bandwidth Adaptation Model in Multimedia Wireless Networks," **Wireless Personal Communications** , vol. 77, no.1, Aug. 2014 .
21. T. Nguyen, M. Z. Chowdhury and a. Y. M. Jang, "Seamless Connectivity Support using Movement Trajectory in LED-ID Networks," **Information Journal** , vol. 17, no.5, May, 2014 .
20. M. Z. Chowdhury, M. S. Uddin and a. Y. M. Jang, "Dynamic Channel Allocation for Class-Based QoS Provisioning and Call Admission in Visible Light Communication," **Arabian Journal for Science and Engineering** , vol. 39, no.2, Feb. 2014 .
19. M. Z. Chowdhury, T. Nguyen, Y. Kim, W. Ryu and a. Y. M. Jang, "Radio Resource Allocation for Scalable Video Services over Wireless Cellular Networks," **Wireless Personal Communications** , vol. 74, no.3, Feb. 2014 .
18. T. Nguyen, M. Z. Chowdhury and a. Y. M. Jang, "A Novel Link Switching Scheme Using Pre-Scanning and RSS Prediction in Visible Light Communication Networks," **EURASIP Journal on Wireless Communications and Networking** , pp.1-17, Dec. 2013 .
17. M. Z. Chowdhury, Y. M. Jang and a. Z. J. Haas, "Call Admission Control based on Adaptive Bandwidth Allocation for Wireless Networks," **IEEE/KICS Journal of Communications and Networks (JCN)** , vol. 15, no.1, Feb. 2013 .
16. M. Z. Chowdhury and a. Y. M. Jang, "Handover Management in High-dense Femtocellular Networks," **EURASIP Journal on Wireless Communications and Networking** , Jan. 2013 .
15. M. Z. Chowdhury, N. Saha, S. H. Chae and Y. M. Jang, "Handover Call Admission Control for Mobile Femtocells with Free-Space Optical and Macrocellular Backbone Networks," **Journal of Advanced Smart Convergence** , vol. 1, no.1, May 2012 .
14. M. Z. Chowdhury, Y. M. Jang and a. Z. J. Haas, "Priority based Bandwidth Adaptation for Multi-class Traffic in Wireless Networks," **International Journal of Multimedia and Ubiquitous Engineering** , vol. 7, no.2, Apr., 2012 .
13. T. Nguyen, M. Z. Chowdhury and a. Y. M. Jang, "Mobility-Aware QoS Provisioning in LED-ID Networks," **International Journal of Smart Home** , vol. 6, no.2, Apr., 2012 .
12. M. Z. Chowdhury, Y. M. Jang and a. Z. J. Haas, "Cost-Effective Frequency Planning for Capacity Enhancement of Femtocellular Networks," **Wireless Personal Communications** , vol. 6, no.1, Sep. 2011 .
11. B. M. Trung, M. Z. Chowdhury, T. Nguyen, Y. M. Jang, Y. Kim and a. W. Ryu, "IPv6 Handover Performance for Mobile IPTV over Mobile WiMAX Networks," **The Journal of Korea Society of Space Technology** , Dec. 2011 .
10. B. M. Trung, M. S. Uddin, M. Z. Chowdhury, T. Nguyen and a. Y. M. Jang, "Fast Link Switching Scheme for LED-ID System," **The Journal of Korean Institute of Communications and Information Sciences (KICS)** , vol. 36, no.12, Dec. 2011 .
9. M. Z. Chowdhury, B. M. Trung, Y. M. Jang, Y. Kim and a. W. Ryu, "Service Level Agreement for the QoS Guaranteed Mobile IPTV Services over

- Mobile WiMAX Networks," **The Journal of Korean Institute of Communications and Information Sciences (KICS)** , vol. 36, no.4, Apr. 2011 .
8. M. Z. Chowdhury, Y. M. Jang and a. Z. J. Haas, "Network Evolution and QoS Provisioning for Integrated Femtocell/Macrocell Networks," **International Journal of Wireless & Mobile Networks (IJWMN)** , vol. 2, no.1, Aug. 2010 .
7. M. Z. Chowdhury and a. Y. M. Jang, "Priority based Interface Selection for Overlaying Heterogeneous Networks," **The Journal of Korean Institute of Communications and Information Sciences (KICS)** , vol. 35, no.7, Jul. 2010 .
6. M. Z. Chowdhury and a. Y. M. Jang, "Handover Control for WCDMA Femtocell Networks," **The Journal of Korean Institute of Communications and Information Sciences (KICS)** , vol. 35, no.5, May 2010 .
5. M. Z. Chowdhury, M. N. Islam and a. Y. M. Jang, "Estimation of QoS Parameters for Next Generation Wireless Networks," **Kookmin University Journal of Engineering Science and Technology** , Dec. 2008 .
4. M. Z. Chowdhury and a. Y. M. Jang, "Bandwidth Degradation in Call Admission Control for IMS-based HSDPA/WLAN Interworking," **Kookmin University Journal of Engineering Science and Technology** , Dec. 2007 .
3. M. Z. Chowdhury and Y. M. Jang, "End-to-End Soft QoS Approach for IMS-based Integrated Satellite/Terrestrial Network Architecture," **The Journal of Korea Society of Space Technology** , vol. 2, no.2, pp.85-90, Dec. 2007 .
2. M. Ahmad, M. Z. Chowdhury and a. M. J. Alam, "Tissue-motion Analysis of Artery Pulsation in Cranial Ultrasonogram of New Born Baby," **Istanbul University journal of Electrical & Electronic Engg. (IU-JEEE)** , vol. 6, no.1, 2006 .
1. M. Ahmad, M. S. Yusuf, M. Z. Chowdhury and a. M. Yamada, "Global Optimization of Optical Flow Technique on the Computation of Tissue-Motion in Neonatal Cranial Ultrasonogram," **Istanbul University journal of Electrical & Electronic Engg. (IU-JEEE)** , vol. 4, no.1, pp.1007-1016, 2004 .

## Conference

97. M. A. B. S. Abir and M. Z. Chowdhury, "Digital Twin-based Aerial Mobile Edge Computing System for Next Generation 6G Networks," **International Conference on Electrical Information and Communication Technology (EICT)**, Bangladesh, Dec. 2023, .
96. M. A. B. S. Abir and M. Z. Chowdhury, "Digital Twin-based Software-defined UAV Networks Using Queuing Model," **International Conference on Signal Processing and Integrated Networks (SPIN)**, Mar. 2023 .
95. S. R. Hasan, M. Z. Chowdhury, M. Saïam, and Y. M. Jang, "Integration of Reconfigurable Intelligent Surface and Visible Light Communication Systems for 5G and Beyond Communications," **International Conference on Artificial Intelligence in Information and Communication (ICAIIIC)**, Feb. 2023 .
94. S. R. Hasan, M. Z. Chowdhury, and M. Saïam, "A New Quantum Visible Light Communication for Future Wireless Network Systems," **International Conference on Advancement in Electrical and Electronic Engineering**, Feb. 2022 .
93. M. B. Hossen, M. Z. Chowdhury, and M. E. Shawon, "Spreading Loss Model for Channel Characterization of Future 6G Terahertz Communication Networks," **International Conference on Electrical & Electronic Engineering (ICEEE)**, Dec. 2021 .
92. M. Saïam, M. Z. Chowdhury, and S. R. Hasan, "Crypto Holographic Reconfigurable Intelligent Surface-Assisted Backscatter Communication," **International Conference on Fourth Industrial Revolution and Beyond 2021**, Dec. 2021 .
91. F. Ahmed and M. Z. Chowdhury, "Artificial Intelligence Based Network Selection in Heterogeneous Wireless Networks," **International Conference on Electronics, Communications and Information Technology (ICECIT)**, Sep. 2021 .
90. M. E. Shawon, M. Z. Chowdhury, M. B. Hossen, M. F. Ahmed, and Y. M. Jang, "Rain Attenuation Characterization for 6G Terahertz Wireless Communication," **of International Conference on Artificial Intelligence in Information and Communication (ICAIIIC)**, Apr. 2021 .
89. M. F. Ahmed, M. M. Alam, M. Z. Chowdhury, and Y. M. Jang, "Automatic Wireless Power Transfer Management Based on Receiver Feedback," **International Conference on Artificial Intelligence in Information and Communication (ICAIIIC)**, Feb. 2020 .
88. M. Shahjalal, M. M. Islam, M. K. Hasan, M. Z. Chowdhury, and Y. M. Jang, "Multiple Access Schemes for Visible Light Communication," **International Conference on Ubiquitous and Future Networks (ICUFN)**, Jul. 2019 .
87. M. Z. Chowdhury, M. M. Islam, M. Shahjalal, M. K. Hasan, and Y. M. Jang, "Optical Wireless Communication for Tactile Internet in 6G Internet of Things," **KICS Summer Conference**, Jun. 2019 .
86. M. Z. Chowdhury, M. T. Hossan, and Y. M. Jang, "Applying Model-Free Reinforcement Learning Algorithm in Network Slicing for 5G," **International Conference on Advances in Science, Engineering and Robotics Technology (ICASERT)**, Apr. 2019 .
85. M. Z. Chowdhury, M. K. Hasan, M. Shahjalal, E. B. Shin, and Y. M. Jang, "Opportunities of Optical Spectrum for Future Wireless Communications," **International Conference on Artificial Intelligence in Information and Communication (ICAIIIC)**, Feb. 2019 .
84. M. K. Hasan, M. Shahjalal, M. Z. Chowdhury, and Y. M. Jang, "Simultaneous Traffic Sign Recognition and Real-Time Communication using Dual Camera in ITS," **International Conference on Artificial Intelligence in Information and Communication (ICAIIIC)**, Feb. 2019 .
83. M. Shahjalal, M. K. Hasan, M. Z. Chowdhury, and Y. M. Jang, "Future Optical Camera Communication Based Applications and Opportunities for 5G and Beyond," **International Conference on Artificial Intelligence in Information and Communication (ICAIIIC)**, Feb. 2019 , DOI:International Conference on Artificial Intelligence in Information and Communication (ICAIIIC).
82. M. Z. Chowdhury, M. Shahjalal, M. K. Hasan, and Y. M. Jan, "Spectrum Allocation and Optimization using Machine Learning in Optical Wireless Communications," **KICS Winter Conference**, Jan. 2019 .
81. M. Shahjalal, M. K. Hasan, M. Z. Chowdhury, and Y. M. Jang, "Deep Learning Based Object Detection Methods in Android Smartphone," **KICS Winter Conference**, Jan. 2019 .
80. M. Shahjalal, M. K. Hasan, M. Z. Chowdhury, and a. Y. M. Jang, "Application-Based Comparative Performance Analysis of Visible Light Communication technologies," **KICS Winter Conference**, Jan. 2019 .
79. M. Shahjalal, M. Z. Chowdhury, M. K. Hasan, M. T. Hossan, and Y. M. Jang, "A Generalized SDN Framework for Optical Wireless Communication Networks," **International Conference on ICT Convergence (ICTC)**, Oct. 2018 .
78. M. Z. Chowdhury, M. K. Hasan, M. Shahjalal, M. T. Hossan, and Y. M. Jang, "Optical Wireless Hybrid Networks for 5G and Beyond Communications," **International Conference on ICT Convergence (ICTC)**, Oct. 2018 .
77. M. K. Hasan, M. Shahjalal, M. Z. Chowdhury, and Y. M. Jang, "Access Point Selection in Hybrid OCC/RF eHealth Architecture for Real-Time Remote Patient Monitoring," **International Conference on ICT Convergence (ICTC)**, Oct. 2018 .
76. M. Shahjalal, M. T. Hossan, M. K. Hasan, M. Z. Chowdhury, and Y. M. Jang **International Conference on Ubiquitous and Future Networks (ICUFN)**, Jul. 2018 .
75. M. K. Hasan, M. Shahjalal, M. Z. Chowdhury, M. TanvirHossan, and Y. M. Jang, "Fuzzy Logic Based Network Selection in Hybrid OCC/Li-Fi Communication System," **International Conference on Ubiquitous and Future Networks (ICUFN)**, Jul. 2018 .
74. A. Islam, M. T. Hossan, M. Z. Chowdhury, and Y. M. Jang, "Design of Positioning Scheme using Artificial Intelligence Algorithms," **International Conference on Information Networking (ICOIN)**, Feb. 2018 .
73. M. T. Hossan, M. Shahjalal, M. Z. Chowdhury, and Y. M. Jang, "Intelligent RF and/or Optical Frequency Spectrum Access for Internet of Vehicles," **KICS Summer Conference**, Jun, 2018 .
72. M. Z. Chowdhury, M. Shahjalal, M. K. Hasan, M. T. Hossan, and Y. M. Jang, "Future Research Trends of Ultra-Dense Networks beyond

5G," **Joint Conference on Communications and Information**, May 2018 .

71. M. K. Hasan, M. Shahjalal, M. Z. Chowdhury, M. D. Thieu, V. T. Nguyen and Jang, "An Analysis of Channel Model for Optical Camera Communications," **KICS Winter Conference**, Apr. 2018 .

70. M. T. Hossan, M. Z. Chowdhury, and Y. M. Jang, "Integration of Photogrammetry and Optical Camera Communication Technologies for Vehicle Positioning," **International Conference on ICT Convergence (ICTC)**, Oct. 2017 .

69. A. Islam, M. T. Hossan, M. Z. Chowdhury, and Y. M. Jang, "An Indoor Localization Scheme Based on Integrated Artificial Neural Fuzzy Logic," **Vehicular Technology Society Asia Pacific Wireless Communications Symposium (APWCS)**, Aug. 2017 .

68. M. T. Hossan, M. Z. Chowdhury, A. Islam, and Y. M. Jang, "Simplified Photogrammetry using Optical Camera Communication for Indoor Positioning," **International Conference on Ubiquitous and Future Networks (ICUFN)**, Jul. 2017 .

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