

AKM BAHALUL HAQUE

Lecturer & On Leave

D.Sc. Software Engineering (Ongoing), LUT University, Finland

M.Sc.

Information

Technology,

Kiel

University

of

B.Sc. in Computer Science & Telecommunication Engineering, NSTU

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Biography

Applied

Sciences,

Germany

Mr. Bahalul Haque has achieved his Bachelor of Science in Computer Science and Telecommunication Engineering from NSTU and M.Sc. in Information Technology from Fachhochschule Kiel, Germany. He received study grant during his Master thesis.

His research area comprises of AI technologies, especially XAI, Social Computing, and Blockchain. He is open for research and project collaboration and also open for suggestion.

Research Areas

- Data Networking and Information Security
- Cloud Computing and Distributed Systems
- Mobile, Wireless and Web Applications Development
- Software Engineering

Research Interests

- AI technologies, especially XAI
- Blockchain Technologies

- Social Computing
- Data Privacy & Protection, Cyber Security
- Cloud Computing & Security
- Big Data

Teaching

- CSE 215 Programming Language II
- CSE 215L Programming Language II Lab
- CSE 323 Operating Systems Design
- CSE 327 Software Engineering
- CSE 299 Junior Design Course
- CSE499A/EEE499A/ETE499A – Senior Design I
- CSE499B/EEE499B/ETE499B – Senior Design II

Selected Publications

Journals

- AKM Bahalul Haque, Mahbubur Rahman, “Blockchain Technology: Methodology, Application and Security Issues,” International Journal of Computer Science and Network Security, (WoS; ESCI Indexed), 2020
- Tahmid Hasan Pranto, Abdulla All Noman, Atik Mahmud, AKM Bahalul Haque , “Blockchain and smart contract for IoT enabled smart agriculture,” PeerJ Computer Science, USA, 2021
- AKM Bahalul Haque, Sonia Tasmin, “Security Threats and Research Challenges of IoT – A Review,” Journal of Engineering Advancements, 2020
- A K M Bahalul Haque, Md Rifat Hasan, Md. Oahiduzzaman Mondol Zihad , “SmartOil: Blockchain and Smart Contract-based Oil Supply Chain Management,” IET Blockchain, The Institution of Engineering and Technology, UK, 2021

Conference Papers

- Mohammad Fahim Hossain, Sudipta Barman, AKM Bahalul Haque, “Augmented Reality for Education; AR Children’s Book,” IEEE TENCON 2019, 2019
- Ekra Bin Syed Mojib, AKM Bahalul Haque, Md. Nafis Raihan, Mahbubur Rahman , Fahad

Bin Alam, "A Novel Approach for Border Security; Surveillance Drone with Live Intrusion Monitoring," 2019 IEEE International Conference on Robotics, Automation, Artificial-intelligence and Internet-of-Things (RAAICON), 2019

- Shayekh Mohiuddin Ahmed Navid, Shamima Haque Priya , Nabiul Hoque Khandakar, Zannatul Ferdous , AKM Bahalul Haque, "Signature Verification Using Convolutional Neural Network," 2019 IEEE International Conference on Robotics, Automation, Artificial-intelligence and Internet-of-Things (RAAICON), 2019
- A K M Bahalul Haque, Shawan Shurid, Afsana Tasnim, Md. Shadman Sadique, Abu Sayem Mohammad Asaduzzaman, "A Novel Design of Gesture and Voice Controlled Solar Powered Smart Wheel Chair with Obstacle Detection," IEEE International Conference on Informatics, IoT, and Enabling Technologies (ICIoT'20), 2020
- Rezowana Akter, Jahid Khandaker, Shakil Ahmed, Muhtasim Munem Mugdho, A K M Bahalul Haque, "RFID Based Smart Transportation System With Android Application," International Conference on Innovative Mechanisms for Industry Applications (ICIMIA 2020), IEEE & Scopus Indexed, 2020
- AKM Bahalul Haque; Ayman Muniat; Parisha Rafiq Ullah; Shimin Mushsharat, "An Automated Approach towards Smart Healthcare with Blockchain and Smart Contracts," 2021 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS), 2021
- Shahriar Rahman¹, Shazzadur Rahman¹ and A K M Bahalul Haque¹, "Prediction of Solar Radiation Using Artificial Neural Network," Journal of Physics: Conference Series, 2021
- Sadman Chowdhury Siam; Abrar Faisal; Niazi Mahrab; AKM Bahalul Haque; Md. Naimul Islam Suvon, "Automated Student Review System with Computer Vision and Convolutional Neural Network," 2021 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS), 2021
- Mohammad Fahim Hossain; Sudipta Barman; Niloy Biswas; A K M Bahalul Haque, "Augmented Reality in Medical Education: AR Bones," 2021 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS), 2021
- Mohammad Fahim , Niloy Biswas, Sudipta Barman, A K M Bahalul Haque, "Professional

Information Visualization Using Augmented Reality; AR Visiting Card,” 2020 2nd
International Conference on Sustainable Technologies for Industry 4.0 (STI), 2021

Book Chapters

- AKM Bahalul Haque, Bharat Bhushan, “Emergence of Blockchain Technology: A
Reliable and Secure Solution for IoT Systems,” Blockchain Technology for Data Privacy
Management ; Edition: 1. Chapter: 8. Publisher: CRC Press, Taylor & Francis, USA, 2021
- AKM Bahalul Haque, Bharat Bhushan, “Security Attacks and Countermeasures in
Wireless Sensor Network,” Integration of WSNs into Internet of Things: A Security
Perspective. Edition: 1st. Chapter: 2. Publisher: CRC Press, Taylor & Francis Group, USA, 2021

Professional Activity

Network Manager (Intern) – Rx71 Ltd.

Network Manager (Full-Time) – Rx71 Ltd.