Dr. Vishal Sharma

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"Security of smart computing devices"

May 15, 2023

Vishal Sharma received the PhD and BTech degrees in Computer Science and Engineering from Thapar University and Punjab Technical University, respectively. He is working as a Lecturer (~Assistant Professor) in the School of Electronics, Electrical Engineering and

Computer Science (EEECS) at the Queen's University Belfast (QUB), Northern Ireland, United Kingdom. Before coming to QUB, he was a Research Fellow in the Information Systems Technology and Design (ISTD) Pillar at the Singapore University of Technology and Design (SUTD), Singapore, with Prof. Paweł Szałachowski and Prof. Jianying Zhou, under a project entitled, future-proof blockchain, funded by MoE-Tier 2 grant, Singapore. Before joining SUTD, he worked as a Research Assistant Professor under Industry-Academia Cooperation Foundation in the MobiSec Lab. at Soonchunhyang University with research sponsored by ETRI-Korea, NRF-Korea, IITP-Korea, MSIT-Korea, and AFOSR-USA. He was a postdoctoral researcher with Prof. Ilsun You in the Information Security Engineering Department at Soonchunhyang University in association with the Soongsil University, South Korea. Before this, he worked as a lecturer in the Computer Science and Engineering Department at Thapar University, India. Since 2022, he has been affiliated with Global Innovation Institute as a Fellow, and works with the Centre for Secure Information Technologies (CSIT) and Centre for Data Science and Scalable Computing (DSSC). He is a senior member of IEEE and a professional member of ACM.

Vishal's research focuses on broader perspectives of the Cyber-Physical System (CPS), 5G and Beyond Security, Internet of Things, Unmanned Aerial Systems, and Blockchain. He is interested in formal methods of verification, simulations, and hardware-in-the-loop. He has a track record of high-quality research publications, project-participations, the development of simulators and live-systems, and he is ambitious about answering concerns of secure and responsible computing through behavior-verification of computing-infrastructure.

He delivered a keynote speech to the audience on **May 15, 2023** at 2:30PM to more than 30 participants. Participants carefully listened to his address and also came forward with their queries and discussions.

Coordinators : Prof. Shruti Jain, Dr. Vikas Baghel, Dr. Himanshu Jindal.