*Dear Prof. Dirk Pesch, Prof. Cormac Sreenan, and Prof. and Utz Roedig*

I am writing to apply for the Post-Doctoral Researcher position in the *Dependable and Secure Internet of Things Networks* project as advertised on the university website. I have successfully defended my PhD dissertation in Information and Communication Engineering at Chungbuk National University, Korea. My research interests are related to the Internet of Things, wireless sensor networks, and cloud/edge computing. Therefore, I am excited about the opportunity to join your team at University College Cork.

During my PhD, I have studied various topics including time synchronisation protocols for large-scale wireless sensor networks, IoT/Edge gateway for heterogeneous networks, and container orchestration for edge/cloud computing environments. With these topics, I published 7 SCIE papers (5 first author and 2 co-author papers) and have 3 more SCIE papers that are under review process (2 first author and 1 co-author papers). Based on my research achievements, I received the “Outstanding Graduate Researcher Award” from the College of Electrical and Computer Engineering and have been nominated for the “Best Thesis Award” from Chungbuk National University. I have extensive knowledge in IoT wireless protocols, open-source software/frameworks for IoT, and cloud/edge computing technologies. As I mainly focus on empirical studies, I am familiar with network simulation tools (e.g., Mininet, OPNET, and Sinalgo) and container orchestration tools (e.g., Kubernetes, KubeEdge, and Docker Compose). I am confident in my programming skills, especially in using Python, C++, and Java. Recently, I am building up knowledge and hands-on experiences in machine learning through using Tensorflow, Pytorch, and Flower frameworks.

I am strongly interested in building smart IoT systems, which requires the combination of various technologies such as network communication, cloud/edge computing, software engineering, and machine learning. Moreover, I always want to conduct research that involves industry-academia collaborations to solve real-world problems. I found that your research agenda is completely matched my research experiences and interests. As a person who is fascinated with solving practical problems using scientific methods, I am eager and willing to learn new knowledge, expand my skills, and collaborate with excellent colleagues. Therefore, I believe that it will be a great opportunity for me conduct future research about IoT at CONNECT Centre.

Besides doing scientific research, as the only PhD student in the lab, I have assisted my supervisor in preparing research proposals, managing the lab, and mentoring master students during my graduate program. These tasks help me to gain collaboration skills to work efficiently with other people. With all my experiences, I believe that I can quickly adapt to a new research environment and significantly contribute to your research projects. I understand that achieving an outstanding result is non-trivial, but I also believe that it is worth the effort. Therefore, I hope to have a chance to work in your team as well as to experience life in Cork. Please let me know if I can provide additional information or documents to aid you in the evaluation of my application. Thank you in advance for considering my application, and I look forward to hearing from you.

Sincerely,

Linh-An Phan