



## Hong, Seng Phil

홍 승 필

Adjunct Professor, aSSIST

### RESEARCH AREAS

Approaches AI, Security Engineering or Blockchain for IT systems, modeling, development processes, operation, and consulting  
Blockchain related Business Modeling & User Case (Innovative business in digital Asset)  
Blockchain related System Design and Development (Smart Contract, Platform)  
Computing Architecture in Digital Business Environment  
ICT (Information, Communication and Technology) infrastructure  
Privacy Act related Law, Regulation, and Technology  
IoT Security  
FINTECH Technology and Service  
Digital Asset  
Risk Management  
Security Consulting

### TEACHING AREAS

AI Computing System  
Blockchain  
Security  
Digital Business  
Digital Finance / FinTech  
Privacy Act  
Related Computer Science Class

### EDUCATION

- Ph.D. in Computer Science, KAIST(Korea Advanced Institute of Science and Technology), DaeJeon, KOREA.
- Ph.D. Candidate in Computer Science, Illinois Institute of Technology, Chicago, USA
- M.S. in Computer Science, Ball State University, Indiana, USA.
- B.S. in Computer Science, Indiana State University, Indiana, USA.

### EXPERIENCE

- HANCOM WITH, Inc., KOREA. - CEO / Senior Advisor
- Sungshin University, KOREA. - Professor
- LG CNS, Inc, KOREA. - Researcher / Business Leader

**PUBLISHED JOURNALS**

- *“A Smart Contract-Based Dynamic Consent Management System for Personal Data Usage under GDPR”*, Elsevier (SCIE), Vol21 Issue 23, Nov, 2021.
- *“Study on Digital Finance Secure Architecture based on Blockchain”*, JANT (KCI), Vol25 No.5, Oct, 2021.
- *“Data Traffic Reduction with Compressed Sensing in an AIoT System”*, Computers, Materials & Continua (SCI), Vol.70 No1, Sept 2021.
- *“Performance Comparison of PoseNet Models on an AIoT Edge Device”*, Intelligent Automation & Soft Computing (SCIE), Vol30 No.3, Aug 2021.
- *“An AIoT Monitoring System for Multi-Object Tracking and Alerting”*, Computers, Materials & Continua (SCI), Vol.67 No1, April 2021.
- *“Fingerprint-Based Millimeter-Wave Beam Selection for Interference Mitigation in BeamSpace Multi-User MIMO Communications”*, Computers, Materials & Continua (SCI), Vol.66 No1, Jan 2021.
- *“Autonomous Operation Control of IoT Blockchain Networks”*, MDPI (SCIE), Vol10 No2, Jan 2021.
- *“Context-aware pub/sub control method using reinforcement learning”* John Wiley & Sons, Ltd., (SCIE), Vol33 Issue 15, March 2020.
- *“New Blockchain-based Gold Trading Platform”*, Business Letter, Blockchain Asia, March 2020.
- *“Lightweight End-to-End Blockchain for IoT Applications”* TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS (SCIE), Vol14 No8, Jan 2020.