



Hong, Seng Phil

홍 승 필

Professor, aSSIST University

AI MBA, Blockchain & Security Track, Head Professor

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 (Security Engineering), KAIST, 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

- Present, aSSIST, University, KOREA, Professor
- Sungshin University, KOREA., Professor
- LG CNS, INC, KOREA, Senior Researcher

ACTIVITY

- Advisory Committee for National Privacy to MOSPA (Ministry of Security and Public Administration), KOREA.
- External evaluation committee for KSS (Korea Financial Supervisory Service)
- Adviser to KSD (Korea Securities Depository)
- Adviser to KFSB (Korea Federation of Savings Bank)
- Chief Committee for ICT and New R&D Area in MSIT (Ministry of Science and Information Technology), KOREA.
- Committee for Research on Standard Block Chain (ISO / TC 307)
- Committee of Certification for ISMS(Information Security Management System) to KISA (Korea Internet & Security Agency)
- Advisory Committee for PIPC (Personal Information Protection Commission), KOREA.
- Vice President of the KBCA (Korea Block Chain Association)
- Vice President of the KSII (Korea Society for Internet Information)
- Director Board of KIISC (Korea Institute of Information Security and Cryptography)
- Director Board of KACE (Korea Association of Computer Education)
- Editorial board of TIIS (SCIE-Science Criteria Indexing Extension)

BASIC SKILL AREAS

- Approaches 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 related Business
- Risk Management
- Security Consulting

BOOK PUBLICATION (KOREA)

- “Digital Assets & Security” (ISBN: 978-89-6587-222-1, January, 2020)
- “Introduction to Privacy and Act” (ISBN: 978-89-91182-87-5, July, 2009)
- “Ubiquitous Computing Security” (ISBN: 978-89-91182-34-9, Oct, 2007)
- “Introduction to Security” (ISBN: 89-7560-195-1, Feb, 2004)
- “Red Hat Linux 7 Server” (ISBN: 89-8160-045-7, April, 2001)
- “e-Business Security” (ISBN:89-8160-041-4 , Dec, 2000)
- “Security Technology and implementation” (ISBN: 898160015, 1998)

INTERNATIONAL CERTIFICATION

- CISSP (Certifies Information Systems Security Professional), (ISC)2
- CISM (Certifies Information Security Manager), ISACA
- CIACA (Certifies Information Systems Audit and Control Association), ISACA

RESEARCH WORKS (2020 ~ PRESENT)

- Amjad Rehman Khan, Tanzila Saba, Tariq Sadad, Seng-phil Hong (May 26, 2022) “Cloud-Based Framework for COVID-19 Detection through Feature Fusion with Bootstrap Aggregated Extreme Learning Machine”. Discrete Dynamics in Nature and Society SCIE , Vol. 2022, Article ID 3111200
- Stephen Neal Joshua Eali Debnath Bhattacharyya, Thirupathi Rao Nakka¹, Seng-Phil Hong (April 10, 2022) “A Novel Approach in Bio-Medical Image Segmentation for Analyzing Brain Cancer Images with U-NET Semantic Segmentation and TPLD Models Using SVM”. Traitement du Signal SCIE, Vol.39, No.2
- N. Thirupathi Rao Seng-phil Hong Debnath Bhattacharyy Sk. Meeravali (March 15, 2022) “Performance Evaluation of a Distributed Energy Model with Compound Poisson Arrivals on an Improved Forked Network: A Detailed Analysis”. Sustainable computing: informatics and systems SCIE, Vol.33, No.1
- Merlec, M.M.; Lee, Y.K.; Seng-phil Hong, In, H.P (November 30, 2021) “A Smart Contract-Based Dynamic Consent Management System for Personal Data Usage under GDPR”. Sensor SCIE, Vol.21, Issue 23, 3.576
- Kyoung-jin Kim, Seng-phil Hong (October 2021) “Study on Digital Finance Secure Architecture based on Blockchain”. KONI KCI, Vol.25, No.5
- Hye-min Kwon, Seng-Phil Hong, Mingoo Kang, Jeongwok Seo (September 2021) “Data Traffic Reduction with Compressed Sensing in an AIoT System”. Computers, Materials & Continua SCI, Vol.70, No.1
- Seng-Phil Hong, Mingoo Kang, Jeongwok Seo, SangYub Nam (October 2021) “Study on the Digital Goods Platform and Security for Drama based on FID”. Proceedings of the 44th KSII fall Conference, Vol.22, No.2
- Hye-min Kwon, Seng-Phil Hong, Mingoo Kang, Jeongwok Seo (Aug 20, 2021) “Performance Comparison of PoseNet Models on an AIoT Edge Device”. Intelligent Automation & Soft Computing SCIE, Vol.30, No.3
- Wonseok Jung, Se-Han Kim, Seng-Phil Hong, Jeongwok Seo (April,30, 202) “An AIoT Monitoring System for Multi-Object Tracking and Alerting”. Computers, Materials & Continua SCI, Vol.67, No.1
- Sangmi Moon, Hyeonsung Kim, Seng-Phil Hong, Mingoo Kang and Intae Hwang (January,31, 2021) “Fingerprint-Based Millimeter-Wave Beam Selection for Interference Mitigation in BeamSpace Multi-User MIMO Communications”. Computers, Materials & Continua SCI, Vol.66 No.1
- Jae-Hoon Kim , Seungchul Lee, Seng-phil Hong (January,17, 2021) “Autonomous Operation Control of IoT Blockchain Networks”. Electronics SCIE, Vol.10, No.2
- Joohyun Kim Seohee, Hong Seng-phil Hong, Jaehoon Kim (March,17, 2020) “Context-aware pub/sub control method using reinforcement learning”. John Wiley & Sons, Ltd. SCIE, Vol.3, Issue 15
- Seungcheol Lee, Jaehyun Lee, Sen-gphil Hong, Jae-Hoon Kim (August 2020) “Lightweight End-to-End Blockchain for IoT Applications”. TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS SCIE, Vol. 14, No. 8
- Seng-phil Hong (March 2020) “New Blockchain-based Gold Trading Platform”. Business Letter <https://blockchain-asia.com>