TRƯỜNG ĐẠI HỌC
SƯ PHẠM KỸ THUẬT TP. HỒ CHÍ MINH
HCMC University of Technology and Education
HCMUTE

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Ho Chi Minh City, Vietnam
Tel: 028.38961333 - 028.37221223
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SCIENTIFIC CURRICULUM VITAE

1. Personal details

Full name:	NGUYEN XUAN SAM	Date of birth: 07/8/1978
Academic title:	Lecturer	Sex: Male
Administrative position:		
Department:	Information Technology	
Institution:	HCMC University of Technology and Education	
Address:	No 1 Vo Van Ngan Street, Linh Chieu Ward, Thu Duc city. Ho Chi Minh City	
City/prov:	Ho Chi Minh City	
Telephone:		Cell phone: 096-993-8284
Working e-mail:	samnx@hcmute.edu.vn	
Personal site(s):	https://sites.google.com/hcmute.edu.vn/ubicomlab/members/advisor	

2. Qualifications:

STT	Years	Academic institutions	Major/Specialty	Academic degree
1	2/2016	Korea University (Seoul city, Republic of Korea)	Computer Engineering	Doctor of Philosophy
2	2/2009	Andong National University (Republic of Korea)	Information and Communications Engineering	Master of science
3	6/2002	Posts and Telecoms Institute of Technology, Hanoi city	Electronics and Communications	Bachelor of engineering

3. Professional experience:

STT	Years	Institution	Professional address	Position
1	2021-present	HCMUTE	HCM city	Lecturer
2	2017-2021	PTIT	HCM city campus	Head/ Lecturer
3	4/2016-6/2017	UIT	HCM city	Head/ Lecturer

4. Language (rating: A- Poor/deficient; B- Fair; C- Sufficient; D- Fluent)

Language	Reading	Writing	Speaking
English	highly proficient	highly proficient	highly proficient
Korean	Normal	Normal	proficient

5. Expertise and research interests

5.1. Main research orientation

My research interests include the ubiquitous computing, real-time embedded systems, artificial intelligence for Internet of things, and cyber security.

5.2. List of research projects:

List all the research grants/projects:

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No	Project ID and Project name	Funding institution & funded amount	Project duration	Project evaluation ranking	Position/ role in the project
1	Development of monitoring system for smart farming	PTIT	2020	Good	main member
2	Development of decision support system for smart city	PTIT	2019	Good	main member
3	An effective data forwarding scheme for smart farming system using Internet of Things	PTIT	2018	Good	main member
4	Border surveillance using Wireless Sensor Networks	Korean Company	2014-2016	Good	member
5	Wireless Body Area Network for Health Monitoring	Korean Company	2012-2013	Good	member

5.3. Publications

JOURNALS

[ISSN: 2525-2224] Sam Nguyen Xuan, Nguyen Ngoc Giang, "A Robust Regression Model Based on Optimal Feature Sets for Simple Decision Making in Indoor Farms," Journal of Science and Technology on Information and Communications, No.4B, Dec. 2020.

[ISSN: 1859-1531] Nguyen Xuan Sam, Nguyen Hong Son, "A New Scheme for Internet of Things based Shrimp Farming Systems to Improving Reliable Data Forwarding," Journal of Science and Technology, University of Danang, No.3, pp.59-63, Mar. 2018.

[SCIE] Sam Nguyen-Xuan, Daehee Kim, and Sunshin An, "An Adaptive Relay Transmission Scheme for Reliable Data Forwarding in Wireless Body Area Networks," IEICE Transactions on Information and System, Vol.E99-D, No.2, pp.415-423, Feb. 2016.

[KSCI] Sam Nguyen-Xuan, Dongwan Kim, and Sunshin An, "Topology-aware Packet Size and Forward Rate for Energy Efficiency and Reliability in Dynamic Wireless Body Area Networks" Journal of Internet Computing and Services, Vol.15, No.2, pp. 9-18, Apr. 2014.

[KSCI] Haoru Su, Sam Nguyen-Xuan, Heungwoo Nam, Sunshin An, "Energy-Balanced Location-Aided Routing Protocol for E-Health Systems," 2011.

[JKIEE] Haoru Su, Sam Nguyen-Xuan, Heungwoo Nam, Sunshin An, "Energy-Balanced Location-Aided Routing Protocol for E-Health System", Journal of Korean Institute of Electrical Engineers, Vol.18, No.2, 2011.

[ISSN 1226-OO7X] Sam Nguyen-Xuan, Sang-ho Park, "An analysis of the performance of TCP Reno and New-Reno through simulation," Bulletin of Industrial Technology Research Institute, Dec., 2007, Korea.

CONFERENCES

Le Thi Giang, Khuu Manh Dat, Nguyen Xuan Hiep, Sam Nguyen-Xuan "New Approach for Analyzing and Predicting Carbon Dioxide Emissions: case study of Vietnam, 2020 5th International Conference on Green Technology and Sustainable Development, HCM city Vietnam.

Sam, Nguyen-Xuan, Nguyen Luong Nhat, "A Dynamic Model for Temperature Prediction in Glass Greenhouse," 2019 6th NAFOSTED Conference on Information and Computer Science (NICS), Hanoi, Viet Nam.

Sam, Nguyen-Xuan, Nguyen Hong Son, "A real-time relay selection scheme for MAC protocol in smart farm systems," The 4th International Conference on Next Generation Computing, Dec. 2018, Vungtau City, Viet Nam.

Sam Nguyen-Xuan, Nguyen Hong Son, "Modelling and Simulating Distributed Denial of Service Attack in Mobile Health Systems," SOIS 2017: 2nd Symposium on Information Security, Dec. 2017, Ho Chi Minh City, Viet Nam.

Sam Nguyen-Xuan; Semin Oh; An Sunshin, "EE-MAC: Energy efficient-medium access control for periodic applications in border surveillance wireless sensor networks, " 16th International Conference on Advanced Communications Technology (IEEE-ICACT2014), pp.693-697, Feb. 2014, PyeongChang, Korea.

Sam Nguyen-Xuan, Dongwan Kim, and Sunshin An, "Grid Based: Routing for Energy Efficient and Reliability in Dynamic Wireless Body Area Networks," The 8th Asia Pacific International Conference on Information Science and Technology (APIC-IST), 2013, Jeju, Korea.

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Haoru Su, Sam Nguyen-Xuan, Heungwoo Nam, Sunshin An, "Energy-Balanced Location-Aided Routing Protocol for E-Health Systems," 2011년추계학술발표대회 논문집 (KSCI).

Haoru Su, Sam Nguyen-Xuan, Heungwoo Nam, Sunshin An, "Energy-Balanced Location-Aided Routing Protocol for E-Health System", Journal of Korean Institute of Electrical Engineers (JKIEE) Vol.18, No.2, 2011 (KSCI).

Sam Nguyen-Xuan, Sangho Park, Giap Le-Dang, "S-Mac for Low and Periodic Traffic in wireless Sensor Networks," International Conference on Computers, Communications and Systems (ICCCS) Nov., 2008, Daegu, Korea.