2018

14th EAI International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (QSHINE 2018)

Technical Program

Ho Chi Minh City - Vietnam

December 3, 2018

HCMC University of Technology & Education, Vietnam

Sponsors and Organizers:
Research Environment Links grant
European Alliance for Innovation
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Newton Fund
HCMC University of Technology & Education, Vietnam
Duy Tan University, Vietnam

Technical Program at Glance

Ho Chi Minh City, Vietnam, December 3, 2018

DATE	TIME	ROOM
		QSHINE ROOM
Monday – December 3, 2018	08:30-09:00	**WELCOME & OPENING**
	09:00-10:00	**Keynote 1**
	10:00-10:30	**Coffee Break**
	10:30-11:45	**SP**
	11:45-13:30	**LUNCH BREAK**
	13:30-14:30	**Keynote 2**
	14:30-15:30	**TN**
	15:30-16:00	**Coffee Break**
	16:00-17:00	**NA**
	18:00-20:30	**BANQUET AND BEST PAPER AWARD**

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QSHINE 2018

Technical Program –Ho Chi Minh City, Vietnam,

Monday, December 3, 2018

Registration: (07:30-08:30)
Venue: Entrance of QSHINE

Opening Session: (08:30-09:00)
Room: QSHINE
Speakers: Assoc. Prof. Dr. Do Van Dung, President of HCMC University of Technology & Education, Vietnam
Dr. Nguyen-Son Vo, Duy Tan University, Vietnam

Keynote 1 (09:00-10:00)

Room: QSHINE

Speaker: Dr. Hoa Le Minh, Northumbria University at Newcastle, United Kingdom

Title: The Emerging Optical Wireless Communications for Future Wireless Communications Networks

Chair: Dr. Vien Anh Ngo, Queen's University Belfast, United Kingdom

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COFFE BREAK (10:00-10:30)

Monday Morning Session— SP (10:30-11:45)

SP, Room: QSHINE
Session Title: Security & Privacy
Session Chair/Co-Chair: Dr. Taeshik Shon, Ajou University, Korea
Dr. Le Chi Kien, HCMC University of Technology & Education, Vietnam

280311: Improving Privacy for GeoIP DNS Traffic, Lanlan Pan (Geely Automobile Research Institute, China), Xuebiao Yuchi (Chinese Academy of Sciences, China), Xin Zhang (China Internet Network Information Center, China), Anlei Hu (China Internet Network Information Center, China), and Jian Wang (Geely Automobile Research Institute, China)

280408: Deep Reinforcement Learning based QoS-aware Routing in Knowledge-defined Networking, Pham Tran Anh Quang (Inria, Univ Rennes, CNRS, IRISA, France), Yassine Hadjadj-Aoul (Univ Rennes, Inria, CNRS, IRISA, France), and Abdelkader Outtagarts (Nokia Bell Labs, France)

280613: Throughput Optimization for Multirate Multicasting through Association Control in IEEE 802.11 WLAN, Dhrubajyoti Bhaumick and Sasthi C. Ghosh (Advanced Computing and Microelectronics Unit, Indian Statistical Institute, India)

280654: An NS-3 MPTCP Implementation, Kashif Nadeem (Lahore University of Management Sciences, Pakistan) and Tariq M. Jadoon (Lahore University of Management Sciences, Pakistan)

280514: A Novel Security Framework for Industrial IoT based on ISA 100.11a, Hyunjin Kim, Sungjin Kim, Sungmoon Kwon, Wooyeon Jo and Taeshik Shon (Ajou University, Korea)

LUNCH BREAK (11:45-13:30)

Monday Afternoon Keynote

Keynote 2 (13:30-14:30)

Room: QSHINE

Speaker: Dr Vien Ngo, Queen's University Belfast, United Kingdom

Title: Intelligent & Robotic Systems: Realizing real-life AI Dream

Chair: Dr. Hoa Le Minh, Northumbria University at Newcastle, United Kingdom

Monday Afternoon Session— TN(14:30-15:30)

TN, Room: QSHINE

Session Title: Telecommunications Systems and Networks

Session Chair/Co-Chair: Dr. Phan Van Ca, HCMC University of Technology & Education, Vietnam

Dr. Pham Ngoc Son, HCMC University of Technology & Education, Vietnam

280565: Social-aware Caching and Resource Sharing Optimization for Video Delivering in 5G Networks, Minh-Phung Bui (Duy Tan University and Van Lang University, Vietnam), Nguyen-Son Vo (Duy Tan University, Vietnam), Tien-Thanh Nguyen (Quang Binh Department of Science and Technology, Vietnam), Quang-Nhat Tran, and Anh-Tuan Tran (Ho Chi Minh City University of Transport, Vietnam)

280336: Energy Efficiency in QoS Constrained 60 GHz Millimeter-Wave Ultra-dense Networks, H. T. Nguyen (Inje University, Korea), H. Murakami, K. Nguyen, K. Ishizu, F. Kojima (National Institute of Information and Communications Technology, Japan), J.D. Kim, S.H. Chung (Pusan National University, Korea) and W.J. Hwang (Inje University, Korea)

280381: Priority-based Device Discovery in Public Safety D2D Networks with Full Duplexing, Zeeshan Kaleem (COMSATS University Islamabad, Pakistan), Muhammad Yousaf (Telecommunications Engineering Department, UET Taxila, Pakistan), Syed Ali Hassan (National University of Sciences and Technology (NUST), Pakistan), Nguyen-Son Vo (Duy Tan University, Vietnam), and Trung Q. Duong (Queen's University Belfast, UK)

280554: Modified Direct Method for Point-to-Point Blocking Probability in Multi-service Switching Networks with Resource Allocation Control, M. Głabowski, M. Sobieraj, and M. Stasiak (Poznan University of Technology, Poland)

COFFEE BREAK (15:30-16:00)

Monday Afternoon Session— NA(16:00-17:00)

NA, Room: QSHINE

Session Title: Networks and Applications

Session Chair/Co-Chair: Dr Nguyen-Son Vo, Duy Tan University, Vietnam

Dr Nguyen Quang Sang, Duy Tan University, Vietnam

280410: Inconsistencies among Spectral Robustness Metrics, Xiangrong Wang (Delft University of Technology, the Netherlands), Ling Feng (Institute of High Performance Computing A*STAR, Singapore), Robert E. Kooij (Delft University of Technology, the Netherlands and Singapore University of Technology and Design, Singapore), and Jose L. Marzo (Institute of Informatics and Applications University of Girona, Spain)

280555: QoS Criteria for Energy-aware Switching Networks, Mariusz Głąbowski (Poznan University of Technology, Poland), M. Stasiak (Poznan University of Technology, Poland), and M.D. Stasiak (Poznan University of Economic and Business, Poland)

280642: Modelling Overfow Systems with Queuing in Primary Resources, Mariusz G labowski, Damian Kmiecik, and Maciej Stasiak (Poznan University of Technology, Poland)

280677: Exploring YouTube's CDN Heterogeneity, Anh-Tuan Nguyen (Sorbonne Université, France), Olivier Fourmaux (Sorbonne Université, France), and Christophe Deleuze (Univ. Grenoble Alpes, France)

BANQUET AND BEST PAPER AWARD (18:00-20:30)

NO TECHNICAL SESSIONS ON TUESDAY