## Poster Session

### Poster Session 1

Date : Thu. Sep. 28, 10:00~10:30(30 min)/ 14:50~15:20(30 min), Lobby

Chair: Prof. Cheng-Hsin Hsu (National Tsing Hua University, Taiwan)

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| 1-1 | The Exploration of Machine Learning for Abnormal Prediction Model of Telecom Business Support System<br>*Jen-Hao Chen, Chao-Wen Huang, and Chia-Chun Shih (Chunghwa Telecom Co., Ltd., Taiwan)* |
| 1-2 | Using Kernel Density Estimation to Target Customer Complaint Handling Service<br>*Hsin-Chieh Chao, Kai-An Tang, Yin-Hsin Liu, and Chang-Yu Hsu (Chunghwa Telecom Laboratories, Taoyuan, Taiwan)* |
| 1-3 | Orchestration of NFV Virtual Applications Based on TOSCA Data Models<br>*Yuan-Mao Hung, Shih-Che Chien, and Yung-Yi Hsu (Chunghwa Telecom Laboratories, Taoyuan, Taiwan)* |
| 1-4 | Effect of the penalty on the QoS received by multihomed clients<br>*Rohit Tripathi (Indian Institute of Information Technology Guwahati, Guwahati, India)* |
| 1-5 | Load Balancing for Multiple Controllers in SDN Based on Switches Group<br>*Yaning Zhou, Ying Wang, Jinke Yu, Junhua Ba, and Shilei Zhang (Beijing University of Posts and Telecommunications, Beijing, China)* |
| 1-6 | Classification-Based Elephant Flow Detection Method using Application Round on SDN Environments<br>*Yuan-Hao Huang, Wen-Yueh Shih, and Jiun-Long Huang (National Chiao Tung University, Hsinchu, Taiwan)* |
| 1-7 | Design and Implement a Mobile Badminton Stroke Classification System<br>*Juyi Lin, Chia-Wei Chang, Chih-Hao Wang, Hong-Chuan Chi, Chih-Wei Yi, Yu-Chee Tseng, and Chih-Chuan Wang (National Chiao Tung University, Taiwan)* |
| 1-8 | Location-aware Dynamic Network Provisioning<br>*Van-Quyet Nguyen, Sinh-Ngoc Nguyen, Deokjai Choi, and Kyungbaek Kim (Chonnam National University, Gwangju, Korea)* |
| 1-9 | Suspicious Traffic Detection Based on Edge Gateway Sampling Method<br>*Sinh-Ngoc Nguyen, Jintae Choi, and Kyungbaek Kim (Chonnam National University, Gwangju, Korea)* |
| 1-10 | Could We Beat A New Mimicking Attack?<br>*Degang Sun\*†‡, Kun Yang†‡, Bin Lv†‡, and Zhixin Shiy† (\*Beijing University, Beijing, China, †Chinese Academy of Sciences, Beijing, China, ‡University of Chinese Academy of Sciences, Beijing, China)* |
| 1-11 | File Transfer Framework with Multipath Transfer in Heterogeneous Networks for Disaster Recovery<br>*Kyu-Hwan Lee, Dong-Hyuk Jang, and Sung-Jae Lee (Agency for Defense Development, DaeJeon, Korea)* |
| 1-12 | Evaluating Scheduling Strategies in LOD Based Application<br>*Usman Akhtar, Muhammad Bilal Amin‡, and Sungyoung Lee (Kyung Hee University, Korea, ‡Korea Research Foundation (KRF) and UCLab, Kyung Hee University)* |
| 1-13 | Sky-Scope : Skype Application Traffic Identification System<br>*Sung-Ho Lee, Young-Hoon Goo, Jee-Tae Park, Se-Hyun Ji, and Myung-Sup Kim (Korea University, Sejong, Korea)* |
| 1-14 | High-Reliable WDM Optical Access Network Expanding by Double Fiber-Tangent-Ring Topology<br>*Qi Shao\*, Yu Shao\*\*, Ying Li\*\*\*, and Si-Ya Xu\*\*\* (\*Henan electric power corporation,Henan, China, \*\*Zhengzhou power supply company,Henan, China, \*\*\*Beijing University of Posts and Telecommunications, Beijing, China)* |
| 1-15 | Experimental evaluation of a path switching function to avoid delay spikes in wireless LANs<br>*Kazumasa Goto, Kazuya Okuda, Ryohei Nakamura, and Hisaya Hadama (National Defense Academy of Japan, Japan)* |

## Poster Session

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| 1-16 | **Survey on Network Protocol Reverse Engineering Approaches, Methods and Tools** <br> *Baraka D. Sija\* , Young-Hoon Goo\*, Kyu-Seok-Shim\*, Sungyun Kim\*\*, Mi-Jung Choi\*\*, and Myung-Sup Kim\* (\*Korea University, Sejong, Korea, \*\*Kangwon National University, Chuncheon, Korea)* |
| 1-17 | **Feasibility Study for Simulating Community Based Content Caching on CCN Network Using ndnSIM Simulator** <br> *Suman Pandey\*†, Yang-Sae Moon† and Mi-Jung Choi† (\*Daegu Catholic University, Korea, †Kangwon National University, Chuncheon, Korea)* |
| 1-18 | **Design and Implementation of a Service-Oriented Network Provisioning System for Network as a Service** <br> *Tse-Han Wang\*, Yen-Cheng Chen\*\*, Chen-Min Hsu\*, Kai-Sheng Hsu\*, and Hey-Chyi Young\* (\*Chunghwa Telecom Laboratories, Taoyuan, Taiwan, \*\*National Chi Nan University, Taiwan)* |
| 1-19 | **Topology Design for Multihop Cellular Network** <br> *Jyh-Shyan Huang\* and Yao-Nan Lien\*\* (\*Chunghwa Telecom Laboratories, Taipei, Taiwan, \*\*National Asia University, Taipei, Taiwan)* |
| 1-20 | **Dynamic Reordering Bloom Filter** <br> *Da-Chung Chang, Chien Chen, and Mahadevan Thanavel (National Chiao Tung University, Hsinchu, Taiwan)* |
| 1-21 | **Sliced NFV Service Chaining in Mobile Edge Clouds** <br> *Sooeun Song and Jong-Moon Chung (Yonsei University, Seoul, Korea)* |
| 1-22 | **Forwarding Path Discovery with Software Defined Networking** <br> *Chih-Chieh Chen\*, Yi-Ren Chen\*†, Shi-Chun Tsai\*, and Ming-Chuan Yang† (\*National Chiao Tung University, Hsinchu, Taiwan, †Academia Sinica, Taipei, Taiwan)* |
| 1-23 | **FERA: A Caching Scheme in CCN using File-Extension and Regression Analysis** <br> *Jin Won Lee and Choong Seon Hong (Kyung Hee University, Korea)* |
| 1-24 | **iToy: A LEGO-like Solution for Small Scale IoT Applications** <br> *Yi Ren, Muhammad Alfiansyah, Nyoto Arif Wibowo, Cheng-Wei Wu, JieFu Geng, and Yu-Chee Tseng (National Chiao Tung University, Hsinchu, Taiwan)* |
| 1-25 | **A3N: Agile Application-Awareness in Software-Defined Networks** <br> *He Cai, Jun Deng\*, Yuhua Zhang\*, and Xiaofei Wang\*, Sangheon Pack\*\* (\*Tianjin University, Tianjin, China, \*\*Korea University, Seoul, Korea)* |

### Poster Session 2
Date : Fri. Sep. 29, 10:00~10:30(30 min)/ 14:50~15:20(30 min), Lobby
Chair: Prof. Hong-Taek Ju (Keimyung University, Korea)

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| 2-1 | **Application-aware Traffic Engineering in Software-Defined Network** <br> *Seyeon Jeong, Doyoung Lee, Jonghwan Hyun, Jian Li, and James Won-Ki Hong (POSTECH, Pohang, Korea)* |
| 2-2 | **Reliable Vehicle Selection Algorithm with Dynamic Mobility of Vehicle in Vehicular Cloud System** <br> *Sukjin Choo, Insun Jang, Jungwoo Koo, Joonwoo Kim, and Sangheon Pack (Korea University, Seoul, Korea)* |
| 2-3 | **Performance Analysis of H.264, H.265, VP9 and AV1 Video Encoders** <br> *Md Abu Layek, Ngo Quang Thai, Md Alamgir Hossain, Ngo Thien Thu, Le Pham Tuyen, Ashis Talukder, TaeChoong Chung and Eui-Nam Huh (Kyung Hee University, Korea)* |
| 2-4 | **Structured Whitelist Generation in SCADA Network using PrefixSpan Algorithm** <br> *Woo-Suk Jung\*, Jeong-Han Yun\*\*, Sin-Kyu Kim\*\*, Kyu-Seok Shim\*, and Myung-Sup Kim (\*Korea University, Sejong, Korea, \*\*National Security Research Institute, Daejeon, Korea)* |