P4 Workshop 2021

December 21, 2021
CPT Building
National Yang Ming Chiao Tung University

Time (GMT+8)	Topics
09:00-09:10	Opening Ceremony • Jason Yi-Bing Lin, Lifetime Chair Professor (NYCU, Taiwan)
09:10-09:40	Intel® Intelligent Fabric Vision and P4 Technology • Todd Koelling, Director of Marketing and Technology Planning (Intel)
09:40-10:10	Improved Congestion Control with P4-based Remote Priority Flow Control (Remote PFC) • Jeremias Blendin, Staff Engineer (Intel)
10:10-10:30	Break
10:30-11:00	P4 Users Community Update, Japan • Kentaro Ebisawa, Principal Researcher (Toyota)
11:00~11:30	TBD • Accton Technology Corporation
11:30~12:00	Net-Gen Cloud-FMC Far Edge Architecture • James Yeh (Kaloom Inc)
12:00~13:00	Lunch Time (Demo)
13:00-13:40	TBD • Accton Technology Corporation
13:40~14:00	Botnet Traffic Detection • Meng-Hsun Tsai, Associate Professor (NCKU, Taiwan)
14:00~14:20	P4虛擬網路設計與實作 • 陳君儀, 工程師 (ITRI, Taiwan)
14:20~14:50	Break (Poster/Demo)
14:50~15:10	P4-IPS • Charles Hung-Pin Wen, Distinguished Professor (NYCU, Taiwan)
15:10~15:30	Longer Stay Less Priority: Flow Length Approximation Used in Information-Agnostic Traffic Scheduling in Data Center Networks • Chien Chen, Jointly Appointed Professor (NYCU, Taiwan)
15:30~15:50	P4-enabled Network Slicing and 5G User Plane Function • Chien-Chao Tseng, Professor (NYCU, Taiwan)
15:50~16:10	Break
16:10~16:40	Server Load Balancer Accelerator (SLBA) P4-based Solution • Petr Kastovsky, Software Product Manager (Intel)
16:40~17:00	A Flow Control Scheme based on Per Hop and Per Flow in Commodity Switches for Lossless Networks • Shie-Yuan Wang, Professor (NYCU, Taiwan)

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