



ADVANCE PROGRAM

MONDAY APRIL 16TH 8:45AM-10:45AM

8:45AM-9:45AM: Welcome by Workshop Co-Chairs and Keynote by Joel Fleck, HP, USA, "Future Internet Management: Surfing a New Wave"

9:45AM-10:45AM: Technical Session I: "Future Internet Management Architecture Design"
Session chair: tba

ENM: A Service Oriented Architecture for Ontology-Driven Network Management in Heterogeneous Network Infrastructures
Saber Zrelli, Nobuo Okabe (Yokogawa Electric Corporation, Japan), Atsushi Ishida, Fumio Teraoka (Keio University, Japan)

Autonomic Fault Management based on Cognitive Control Loops
Sung-Su Kim, Sin-seok Seo, James Won-Ki Hong (Pohang University of Science and Technology, Korea), Joon-Myung Kang (University of Toronto, Canada)

MONDAY APRIL 16TH 10:45AM-11:15AM

Coffee break + Poster Presentations (listed below)

MONDAY APRIL 16TH 11:15AM-12:45PM

11:15AM-12:45PM Technical Session II: "Design of Advanced Future Internet Management Mechanisms"
Session chair: tba

ValidMaker: A Tool for Managing Device Configurations Using Logical Constraints
Sylvain Hallé, Éric Lunaud Ngoupé, Gaëtan Nijdam (Université du Québec à Chicoutimi, Canada), Omar Cherkaoui, Petko Valtchev, Roger Villemaire (Université du Québec à Montréal, Canada)

Efficient Message passing and Autonomic Management Architecture for NGNs
Andreas Louca, Andreas Mauthe, Alberto E. Schaeffer-Filho (Lancaster University, UK)

Network Path Advising Service for the Future Internet
Xiongqi Wu, James Griffioen (University of Kentucky, USA)

MONDAY APRIL 16TH 12:45PM-1:30PM

Lunch + Poster Presentations (listed below)

MONDAY APRIL 16TH 1:30PM-3:15PM

1:30PM-2:20PM: Keynote by Masayoshi Kobayashi, NEC & Stanford University, USA "Software defined Networking and OpenFlow: Challenges and Opportunities"

2:20PM-3:15PM Technical Session III: "OpenFlow-based Future Internet Architectures"
Session chair: tba

Deployment and Operation of Wide-area Hybrid OpenFlow Network
Yoshihiko Kanaumi, Shu-ichi Saito (NEC Corporation, Japan), Eiji Kawai, Shuji Ishii (National Institute of Information and Communications Technology, Japan), Kazumasa Kobayashi (Kurashiki University of Science and the Arts, Japan), Shinji Shimojo (Osaka University, Japan)

A Proposal Management of The Legacy Network Environment using OpenFlow Control Plane
Fernando N. N. Farias, João J. Salvatti, Eduardo C. Cerqueira, Antônio J. G. Abelém (Federal University of Pará, Brazil)

MONDAY APRIL 16TH 3:15PM-4:15PM

Coffee break + Poster Presentations (listed below)

MONDAY APRIL 16TH 4:15PM-5:45PM

4:15PM-5:45PM Technical Session IV: "Traffic Identification, Trust and QoS in the Future Internet"
Session chair: tba

Signature Maintenance for Internet Application Traffic Identification using Header Signatures
Sung-Ho Yoon, Jun-Sang Park, Myung-Sup Kim (Korea University, Korea)

SeRViTR: A Framework for Trust and Policy Management for A Secure Internet and Its Proof-of-Concept Implementation
Xuan Liu, Parikshit Juluri, Deep Medhi (University of Missouri-Kansas City, USA), Akira Wada, Shingo Ata (Osaka City University, Japan), Tianyi Xing, Dijiang Huang (Arizona State University, USA), Yasuhiro Sato (Japan Coast Guard Academy, Japan)

QoS-aware Network Operating System for Software Defined Networking with Generalized OpenFlows
Kwang-Tae Jung, Jin-Wook Kim, Young-Tak Kim (Yeungnam University, Korea)

CLOSING + BEST PAPER AWARDS 5:45PM-6:00PM

Closing Remarks by Workshop Co-Chairs and Announcement of the Best Paper Award

POSTER PRESENTATIONS (DURING BREAKS)

Session chair: tba

Graph Clustering Based Provisioning Algorithm for Cloud Data Centers

Tae-Ho Lee, Shahnaza Tursunova, Tae-Sang-Choi (ETRI, Korea)

Towards Autonomics in Policy based Network Management

Muhammad Shoaib Siddiqui, Choong Seon Hong (Kyung Hee University, Korea), Mi-Jung Choi (Kangwon National University, Korea)

A Multi-Agent Architecture for Autonomic Management of Virtual Networks

Milton A. Soares Jr., Edmundo R. M. Madeira (University of Campinas, Brazil)

Non-repudiation Scheme for User Posting Based on BAC in Mesh Network

Yatao Yang, Burkhard Stiller (University of Zürich, Switzerland)

Using BPEL Workflow Processing for Cross-Layer Orchestrations in IP-over-Optical Networks: A Proof of Concept

Mohit Chamania, Edip Demirbilek, Admela Jukan (Technische Universität Carolo-Wilhelmina zu Braunschweig, Germany), X. Masip-Bruin, Marcelo Yannuzzi (Advanced Network Architectures Lab, Spain)

Design of an Autonomous Software Platform for Future Symbiotic Service Management

Tim De Pauw, Bruno Volckaert, Filip De Turck (Ghent University – IBBT, Belgium), Veerle Ongenaë (University College Ghent, Belgium), Nelson Matthys, Sam Michiels (Katholieke Universiteit Leuven, Belgium)

Self-Organizing Decentralized Wireless Management through Social-Based Metrics

Lucas Guardalben, Tomé Gomes, Paulo Salvador, Susana Sargento (Universidade de Aveiro/Instituto de Telecomunicações, Portugal)

Design and Evaluation of an Architecture for Future Smart Grid Service Provisioning

Matthias Strobbe, Tom Verschueren, Kevin Mets, Stijn Melis, Chris Develder, Filip De Turck (Ghent University – IBBT, Belgium), Thierry Pollet (Alcatel-Lucent, Belgium), Stijn Van de Veire (NIKO, Belgium)