



NOMS 2008

IEEE/IFIP Network Operations and Management Symposium
Pervasive Management for Ubiquitous Networks and Services

Short Papers / Poster Sessions Program

	Monday 7 April	Tuesday 8 April			Wednesday 9 April			Thursday 10 April			Friday 11 April
9:00 - 10:30	Tutorial & Workshops	Opening and Keynote			Keynotes			Technical Session 12	App. Session 3	Dissertation Digest 1	Tutorial & Workshops
10:30-11:00	Coffee break	Poster Session 1/Coffee break			Poster Session 3/Coffee break			Coffee break (10:40-11:00)			Coffee break
11:00-12:40	Tutorial & Workshops	Technical Session 1	Technical Session 2	Panel 1	Technical Session 7	Technical Session 8	Panel 3	Technical Session 13	Technical Session 14	Panel 5	Tutorial & Workshops
12:40-2:00	Lunch	Lunch			Lunch			Lunch			Lunch
2:00-3:40	Tutorial & Workshops	Technical Session 3	Technical Session 4	App. Session 1	Technical Session 9	Technical Session 10	App. Session 2	Technical Session 15	Technical Session 16	Dissertation Digest 2	Tutorial & Workshops
3:40 - 4:10	Coffee break	Poster Session 2/Coffee break			Poster Session 4/Coffee break			Coffee break			Coffee break
4:10 - 5:50	Tutorial & Workshops	Technical Session 5	Technical Session 6	Panel 2	Technical Session 11	Tools	Panel 4	Dist. Experts Panel & Closing Plenary			Tutorial & Workshops
					Tools demo (5:50 - 7:00)			Outrageous Opinion Session (5:50 - 7:00)			
	Welcome Reception (7:00 - 9:00)				Gala Dinner (7:00 - 10:00)						

Tuesday, April 8, 2008

10:30AM
11:00AM

Poster Session 1 - Chair: Omar Cherkaoui

Evaluation on Data Modeling Languages for NETCONF-Based Network Management

Hui Xu, Debao Xiao, HuaZhong Normal University, P.R. China.

Service Capacity Allocation and Pricing

Chunhua Tian, Feng Li, Rongzeng Cao, Wei Ding, IBM China Research Lab, Republic of China.

Automatic Model-Based Service Hosting Environment Migration

Liang Liu, IBM China Research Laboratory, Beijing, 100094, P.R.C., P.R. China.

Assessing the Madeira NorthBound Interface

Pablo Arozarena, Telefónica Investigación y Desarrollo, Spain.

A Model for Heterogeneous Networks Management and Performance Evaluation

Antonio Serrador, Instituto Superior Técnico - Technical University of Lisbon, Portugal
Luis Correia, Technical University of Lisbon, Portugal.

GARCH - Non-Linear Time Series Model for Traffic Modeling and Prediction

Chaoba Nikkie Anand, Caterina Scoglio, Balasubramaniam Natarajan, Kansas State University, USA.

Fast Recovery Paths Schema to Improve Reliability in IP Networks

Fernando Barreto, Emilio Wille, Luiz Nacamura Júnior, UTFPR, Brazil.

Improvement in Resource Reservations Management within Tunnels over All-IP Mobile Networks using IntServ6

Jhon Padilla, Pontificia Bolivariana University, Colombia

Josep Paradells, Technical University of Catalonia, Spain.

Julien Borgel, Maurice Israel, Thales Communications, France.

MANKOP: A Knowledge Plane for Wireless Ad Hoc Networks

Daniel Macedo, Université Pierre et Marie Curie-Paris6, France

Aldri dos Santos, Universidade Federal do Paraná, Brazil

Guy Pujolle, Université de Paris 6, France

Jose-Marcos Nogueira, UFMG, Brazil.

Bandwidth Factored Algorithm Simulation Modeling of Virtual Call Centres

Akinbola Adetunji, Glasgow Caledonian University, Great Britain

Hadi Larijani, Glasgow Caledonian University), Great Britain.

Decomposition of IT service processes and identification of alternatives using ontology

Christian Bartsch, IBM Research, USA

Larisa Shwartz, IBM T.J. Watson Research, USA

Christopher Ward, IBM, USA

Genady Grabarnik, IBM Thomas J Watson Research Center, USA

Melissa Bucu, IBM, USA.

A New Methodology for RF Failure Detection in UMTS Networks

Juan Sanchez-Gonzalez, Universitat Politècnica de Catalunya (UPC), Spain

Oriol Sallent, Jordi Pérez-Romero, Ramon Agusti, Universitat Politècnica de Catalunya, Spain

Miguel Ángel Díaz, Juan Antonio Moreno, Daniel Paul, Telefónica Móviles España, Spain

Towards Autonomic Risk-aware Security Configuration

Mohammad Salim Ahmed, The University of Texas at Dallas, USA

Ehab Al-Shaer, DePaul University, USA

Latifur Khan, University of Texas at Dallas, USA.

Dependency Graph to Improve Notifications Semantic on Anomaly Detection

Bruno Zarpelão, State University of Campinas - School of Electrical and Computer Engineering, Brazil

Mario Proença Jr., Universidade Estadual de Londrina, Brazil

Leonardo de Souza Mendes, Universidade Estadual de Campinas, Brazil

Privacy Management Service Contracts as a new Business Opportunity for Operators

Louis-Francois Pau, RSM Rotterdam school of management, The Netherlands.

Cost analysis of the service migration problem between communication platforms

Dayyan Shayani, Technische Universität München, Germany

Carmen Mas Machuca, Munich University of Technology, Germany

Monika Jaeger, Andreas Gladisch, T-Systems, Germany.

Heuristics on Link Stability in Mobile Wireless Ad Hoc Networks

Matthias Brust, University of Luxembourg, Luxemburg.

Applying Aspect Oriented Service Control in IMS Network

Jia Jia Wen, IBM China Research, P.R. China

Lina Ren, IBM China Research Lab, P.R. China

Lee Longmore, IBM, Great Britain

Qi Yu, IBM China Research, P.R. China

A Model-driven Configuration Management Methodology for Networking Testbeds Infrastructures

Fermín Galán Márquez, Telefónica I+D, Spain

Jorge López de Vergara, Universidad Autónoma de Madrid, Spain

David Fernández, Technical University of Madrid, Spain

Raul Munoz, Centre Tecnologic de Telecomunicacions de Catalunya, Spain.

Dynamic Pull-Based Load Balancing for Autonomic Servers

Remi Badonnel, LORIA - INRIA, France

Mark Burgess, Oslo University College, Norway.

Towards SLA-Based Optimal Workload Distribution in SANs

Eray Gencay, Carsten Sinz, Wolfgang Kuechlin, University of Tuebingen, Germany

3:40PM
4:10PM

Poster Session 2 - Chair: Omar Cherkaoui

A Scheme for Dynamic Monitoring and Logging of Topology Information in Wireless Mesh Networks

Cristian Popi, INRIA, France

Olivier Festor, INRIA Nancy - Grand Est, France.

Service continuity management through an E2E dynamic session in NGN

Chunyang Yin, ENST Télécom Paris, France.

Bootstrapping Device State in Managed Systems

Greg Cox, Motorola Labs, USA

Walter Johnson, David Raymer, Motorola, USA.

A Bayesian Knowledge Engineering Framework for Service Management

Wang Wei, tongji university, P.R. China

Wang Hao, Yang Bo, IBM China Research Laboratory, P.R. China

Liang Liu, IBM China Research Laboratory, Beijing, 100094, P.R.C., P.R. China

Liu Peini, IBM China Research Laboratory, Beijing, 100094, China, P.R. China

Zeng Guosun, tongji university, P.R. China.

Design and Implementation of a Policy-based Management Framework for Ambient Networks: Choices and Lessons Learned

Carlos Kamienski, Universidade Federal do ABC (UFABC), Brazil

Ramide Dantas, Universidade Federal de Pernambuco, Brazil

Joseane Fidalgo, Djamel Sadok, UFPE, Brazil

Börje Ohlman, Ericsson Research, Sweden.

SRDP-Sign: a reliable multicast protocol for signaling

Franco Tommasi, Simone Molendini, Elena Scialpi, University of Lecce, Italy.

An Incentive Engineering Mechanism for Optimizing Handoff Decisions between Cellular Data Networks and WLANs

Jun Wang, Victor Leung, University of British Columbia, Canada.

Using Trust for Key Distribution and Route Selection in Wireless Sensor Networks

Nathan Lewis, University of Otago, New Zealand

Noria Foukia, UNiversity of Otago, New Zealand

Donovan Govan, Information Science, New Zealand.

SIP Network Discovery by Using SIP Message Probing

Jin Zhou, China Research Lab, IBM, Republic of China

Jie Li, Yin Ben Xia, IBM China Research Lab, P.R. China

Bin Cai, IBM China research Lab, P.R. China

Chun Ying, IBM China Research Lab, P.R. China.

Real-Time Problem Localization for Synchronous Transactions in HTTP-based Composite Enterprise Applications

Narendran Sachindran, IBM India Research Laboratory, India

Manish Gupta, IBM India Research Lab., India.

On the Multi-Scale Behavior of Packet Size distribution in Internet Backbone Network

Seongjin Lee, Youjip Won, Dong-Joon Shin, Hanyang University, Republic of Korea.

An open framework for federating integrated management model of distributed IT environment

Manish Sethi, IBM India Research Lab, India

Ashok Anand, University of Wisconsin-Madison, USA
Venkateswara Reddy Madduri, IBM India Research Lab, India
Manish Gupta, IBM India Research Lab., India
Dipayan Gangopadhyay, IBM Almaden Research Center, USA.

Towards Integrating Network Management Interfaces

Elyes Lehtihet, Nazim Agoulmine, University of Evry, France.

Load balancing scheme and implementation in multihoming mobile router

Gyu Myoung Lee, Information and Communications University, Republic of Korea.

Asset-Based Requirement Analysis in Telecom Service Delivery Platform Domain

Tian Qi Ming, Xiao Yan Chen, Ling Jin, Ping Pan, Chun Ying, IBM China Research Lab, P.R. China.

Handover Prediction Strategy for 3G-WALN Overlay Networks

Hyeyeon Kwon, Electronics and Telecommunications Research INstitute, Republic of Korea.

SIP Application Composition Framework Based on Business Rules

Lina Ren, IBM China Research Lab, P.R. China
Jia Jia Wen, Qi Yu, IBM China Research, P.R. China
Lee Longmore, IBM, Great Britain.

Web Services Monitoring: An Initial Case Study on the Tools Perspective

Aimilios Chourmouziadis, University of Surrey, Great Britain
George Pavlou, University College London, Great Britain.

A Comprehensive Semantic-Based Resource Allocation Framework for Workflow Management Systems

Chong Wang, Shanghai Jiaotong University, P.R. China
Zhile Zou, IBM China Research Laboratory, P.R. China
Ru Fang, IBM, P.R. China
Qian Ma, Wang Hao, IBM China Research Laboratory, Republic of China.

Distributed fault correlation using a semantic publish/subscribe system

Wei Tai, John Keeney, Declan O'Sullivan, Trinity College Dublin, Ireland.

Manageability Design for an Autonomic Management of Semi-Dynamic Web Service Compositions

Christof Momm, Universität Karlsruhe (TH), Germany
Christoph Rathfelder, Forschungszentrum Informatik (FZI), Germany.

Harmonizing Service and Network Provisioning for a Federative Access in a Mobile Environment

David Lutz, Patrick Mandic, Sascha Neinert, Ruth del Campo, Juergen Jaehnert, Universitaet Stuttgart, Germany.

Effective Implementation of Network Composition for Ambient Networks

Ramide Dantas, Universidade Federal de Pernambuco, Brazil

Joseane Fidalgo, Jennifer Lima, UFPE, Brazil

Carlos Kamienski, Universidade Federal do ABC (UFABC), Brazil

Djamel Sadok, UFPE, Brazil

Börje Ohlman, Ericsson Research, Sweden.

DYSWIS: An architecture for automated diagnosis of networks

Vishal Singh, Henning Schulzrinne, Columbia University, USA

Kai Miao, Intel Corp, P.R. China.

Inter-Domain QoS Signaling under Mobility

Eraldo Silva, Centro Federal de Educaçao Tecnologica de Santa Catarina, Brazil

Florin Racaru, LAAS-CNRS, France

Jean-Marie Farines, Universidade Federal Santa Catarina - UFSC, Brazil

Michel Diaz, LAAS-CNRS, France.

Observing Network-wide Authentication Behavior with Datapath Tracing

George Porter, Randy Katz, University of California, Berkeley, USA

Saul Edwards, Identity Engines, USA.

A Model-based Approach to Adding Autonomic Capabilities to Network Fault Management System

Yan Liu, Motorola Inc., USA.

Improving Distributed Service Management Using Service Modeling Language (SML)

Robert Adams, Intel, USA

Ricardo Rivaldo, Universidade Federal do Rio Grande do Sul, Brazil

Guilherme Germoglio, UFCG, Brazil

Flávio Santos, Universidade Federal de Campina Grande, Brazil

Yuan Chen, HP Labs, USA

Dejan Milojevic, Hewlett-Packard Labs - Palo Alto, USA.

Intrusion Detection Through Artificial Neural Networks

Joelson Degaspari, Universidade Federal de Santa Catarina, Brazil.

Real-time Flow Monitor Architecture Encompassing On-demand Monitoring Functions

John McGlone, Alan Marshall, Roger Woods, Queens University Belfast, Ireland.

SPIRIT: Service for Providing Infrastructure Recommendations for IT

Ashwin Lall, University of Rochester, USA

Anca Sailer, IBM, USA

Mark Brodie, IBM T. J. Watson Research Center, USA.

Non-Intrusive Transaction Monitoring Using System Logs

Bikram Sengupta, IBM Research, New Delhi, India

Nilanjan Banerjee, IBM, India

Animashree Anandkumar, Cornell University, USA

Chatschik Bisdikian, IBM Research, USA.

MANETs Routing Protocols Evaluation in a Scenario with High Mobility

Ricardo Schmidt, Universidade de Passo Fundo, Brazil

Marco Trentin, UPF, Brazil.

An Investigation of Visualization Techniques for SNMP Traffic Traces

Ewerton Salvador, Lisandro Zambenedetti Granville, UFRGS, Brazil.

ALBA: An Autonomic Load Balancing Algorithm for IEEE 802.11 Wireless Networks

Gilbert Sawma, Ryad Ben-El-Kezadri, Guy Pujolle, University Pierre et Marie Curie, France;

Issam Aib, University of Waterloo, Canada

Using Mixed Integer Programming to Schedule IT Change Requests

Leila Zia, Stanford University, USA

Yixin Diao, IBM Research, USA

Christopher Ward, IBM, USA

Kamal Bhattacharya, IBM T.J. Watson Research Center, USA.

Reinforcement Learning in Policy-driven Autonomic Management

Raphael Bahati, The University of Western Ontario, Canada

Michael Bauer, University of Western Ontario, Canada.

Policy-Based Dynamic Provisioning in Data Centers based on SLAs, Business Rules and Business Objectives

Angela McCloskey, The University of Western Ontario, Canada

Bradley Simmons, Hanan Lutfiyya, University of Western Ontario, Canada.

An Internet Traffic Classification Methodology based on Statistical Discriminators

Raimir Holanda, UNIFOR, Brazil

José Everardo Bessa Maia, Universidade Estadual do Ceará, Brazil

Marcus Fabio Fontenelle do Carmo, UNIFOR, Brazil

Gabriel Junior, University of Fortaleza, Brazil.

A step towards understanding Joost IPTV

Josilene Moreira, Rafael Antonello, UFPE, Brazil

Carlos Kamienski, Universidade Federal do ABC (UFABC), Brazil

Stenio Fernandes, CEFET-AL, Brazil
Djamel Sadok, UFPE, Brazil.

Host-Aware Routing in Multicast Overlay Backbone

Jun Guo, The University of New South Wales, Australia.

A Scalable Monitoring Strategy for Highly Dynamic Systems

Luis Carlos De Bona, University Federal of Parana, Brazil
Elias P. Duarte Jr., UFPR, Brazil
Keiko Fonseca, UTFPR, Brazil.

Algorithm to automatically solve security policy conflicts among IP devices configurations

Simone Ferraresi, Sapienza University of Rome, Italy
Emanuele Francocci, University of Rome "Sapienza", Italy
Alessio Quaglini, valueteam, Italy
Andrea Baiocchi, University of Roma Sapienza, Italy.

Provisioning IMS-based Seamless Triple Play Services over Different Access Networks

Adel Al-Hezmi, Fraunhofer FOKUS, Germany
Fabricio Gouveia, Fraunhofer Institute FOKUS, Germany
Muhammad Sher, Technical University Berlin, Germany
Thomas Magedanz, FOKUS, Germany.

3:40PM
4:10PM

Poster Session 4 - Chair: José Neuman de Souza

A Self-diagnosis Approach for Performance Problem Localization in Component-Based Applications

Sand Correa, Eduardo Fonseca, PUC-Rio, Brazil
Renato Cerqueira, PUC Rio, Brazil.

A Security Management Framework in Sensor Networks

Sergio de Oliveira, Universidade Federal de Minas Gerais, Brazil
Jose-Marcos Nogueira, Thiago Rodrigues Oliveira, UFMG, Brazil.

Wavelength Conversion Architectures in OBS Networks

José Maranhão Neto, UNICAMP, Brazil
André Soares, William Giozza, Universidade Salvador, Brazil
Helio Waldman, UFABC, Brazil.

Load Balancing on SBCs-Efficient Implementation of Border Access Control in NGN

Bin Dai, Huazhong University of Science and Technology, P.R. China.

An ontology for privacy policy management in ubiquitous environments

Luciana Martimiano, ICMC-USP, Brazil

Muller Gonçalves, Edson Moreira, Universidade de São Paulo, Brazil.

Kalinahia: Considering quality of service to design and execute distributed multimedia applications

Sophie Laplace, IUT Informatique de Bayonne, France

Marc Dalmau, Philippe Roose, LIUPPA, France.

Value Network Model for Service Ecosystem in Business Environment

Feng Li, IBM China Research Laboratory, Republic of China.

Home/Office Intranet Resource Management for QoS-guaranteed Realtime Stream Service Provisioning on IEEE 802.11e WLAN

Young-Chul Jung, University of Yeungnam, Republic of Korea

Byung-Kil Kim, Yeungnam Univ., Republic of Korea

Young-Tak Kim, Yeungnam University, Republic of Korea.

Towards a flexible security management solution for dynamic MANETs

Vincent Toubiana, Houda Labiod, Ecole Nationale Supérieure des Télécommunications, France.

Improving QoS Guarantees through Implicit AC

Solange Rito Lima, Pedro Sousa, Paulo Carvalho, University of Minho, Portugal.

Improving User Experience And Resource Management in Wireless Communications

Ricardo R.Oliveira, Universidade Federal de Minas Gerais, Brazil

Antonio Alfredo Ferreira Loureiro, UFMG, Brazil.

A Bandwidth Management Algorithm for RDM Model in DiffServ-Aware MPLS Traffic Engineering

Walter da Costa, Salvador University, Brazil

Joberto Martins, UNIFACS - Universidade Salvador, Brazil.

Information integration techniques to automate incident management

Rajeev Gupta, IBM India Research lab, India.

Grid Resource Management with tightly coupled WBEM/CIM Local Management

Shahnaza Tursunova, Son Tran Trong, Yeungnam Univ., Republic of Korea

Young-Tak Kim, Yeungnam University, Republic of Korea.

An Improved GPS Scheduling Discipline Based on Multifractal Traffic Characteristics

Flávio Vieira, State University of Campinas, Brazil

Lee Ling, UNICAMP, Brazil.

Measuring Anonymization Privacy/Analysis Tradeoffs Inherent to Sharing Network Data

William Yurcik, University of Texas at Dallas, USA.

Fostering the simulation-based evaluation of management architectures over multi-hop topologies

Jose Irastorza, Ramon Agüero, Luis Muñoz, University of Cantabria, Spain.

Enforcing Security in Mobile RFID Networks

Namje Park, Park Namje, ETRI, Republic of Korea.

Policy and Role based Mobile RFID User Privacy Data Management System

Namje Park, Park Namje, ETRI, Republic of Korea.

Policy-based Self-healing for Radio Access Networks

Javier Baliosian, University of the Republic, Uruguay

Katarina Matusikova, Ericsson Ireland Research Centre, Ireland

Karl Quinn, LMI Ericsson, Ireland

Rolf Stadler, KTH Royal Institute of Technology, Sweden.

An Attribute Aggregation Architecture with Trust-Based Evaluation for Access Control

Jaewon Lee, Heeyoul Kim, Samsung Electronics Co., LTD., Republic of Korea

Joon Sung Hong, Samsung, Republic of Korea.

Towards an Efficient Implementation of Traceback Mechanisms in Autonomous Systems

Karima Boudaoud, I3S-CNRS Laboratory, University of Nice Sophia Antipolis, France.