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NETWORKING 2012

11th International IFIP TC 6 Networking Conference
Prague, Czech Republic, May 21-25, 2012
Proceedings, Part I

 Springer

Message from the General Chairs

It is our honor and pleasure to welcome you to the proceedings of the 2012 IFIP Networking Conference. This was the 11th edition of what is considered to be one of the best international conferences in computer communications and networks.

The objective of this edition of IFIP Networking was to attract innovative research works in the areas of network architecture, applications and services, wireless and sensor networks and network science. This goal was more than achieved and we would especially like to thank the Technical Program Committee Co-chairs, Joerg Widmer, Li Erran Li and Hao Yin, who efficiently organized the review of around 230 submissions and composed an outstanding technical program. The selected 64 high-quality papers were arranged into two parallel tracks.

The conference was also greatly honored by hosting the 40th IFIP TC6 Anniversary event. Some of the most prestigious networking scientists on the planet addressed the event: Vint Cerf (over video), Jon Crowcroft and Louis Pouzin, joined by the rising stars of the networking research community: Adam Dunkels, Dina Katabi and Pablo Rodriguez Rodriguez. We would like to express our gratitude to all of them for accepting the invitation; their presence was a privilege to all attendees.

This latest conference edition took place in Prague, Czech Republic, at one of the oldest technical universities in Central Europe, at the Czech Technical University in Prague (CTU). Many of the attendees also took time to enjoy Prague and visit its major cultural monuments.

All this would have not been possible without the hard and enthusiastic work of a number of people who contributed to making Networking 2012 a successful conference. We would like to thank all of them, from the Technical Program Committee Chairs and members, across the Publication and Workshop Chairs and the Organizing Committee to the authors and CTU staff that helped with the local matters. Great thanks also go to the Steering Committee of Networking, to all the members of the IFIP-TC6 for their support and especially to Gunnar Karlsson, Guy Leduc, Peter Radford and Otto Spaniol for helping organize the 40th IFIP TC6 Anniversary event.

Last but not least, we would very much like to encourage current and future authors to continue working in this exciting direction of research and participate in forums similar to this conference to promote explorative engineering and exchange of scientific knowledge and experience.

May 2012

Robert Bestak
Lukas Kencl

Technical Program Chairs' Message

It is a great pleasure to welcome you to the proceedings of Networking 2012. Networking 2012 was the 11th event of the series of International Conferences on Networking, sponsored by the IFIP Technical Committee on Communication System (TC 6), and this year hosted by the Czech Technical University in Prague.

We would like to thank all authors for the high number of submissions the conference received this year. The 225 submitted papers were distributed over the areas of network architecture (37%), network science (21.5%), applications and services (21%), and wireless and sensor networks (20.5%) and came from Europe, Middle East, Africa (58.3%), Asia/Pacific (26.4%), United States and Canada (12%), and Latin America (3.3%). With so many good papers to choose from, the task of the Technical Program Committee (TPC) of selecting the final technical program was not easy. The TPC was formed by 128 researchers from 25 different countries. In addition, 149 reviewers helped to provide further reviews. All papers underwent a thorough review process, with each paper receiving between three and five reviews as well as a meta-review that summed up the online discussion of the paper. After careful consideration, 64 papers were selected for the technical program, resulting in an overall acceptance rate of 28%.

We would like to express our thanks to the members of the TPC and the additional reviewers for all their hard work that made Networking 2012 possible. We would further like to thank the General Chairs, Robert Bestak and Lukas Kencl, for their support throughout the whole review process, and the Steering Committee Chair, Guy Leduc, for his invaluable advice and encouragement. Last not least, we would like to thank all participants for attending the conference.

Li Erran Li
Joerg Widmer
Hao Yin

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Table of Contents – Part I

Content-Centric Networking

Efficient User-Assisted Content Distribution over Information-Centric Network	1
<i>HyunYong Lee and Akihiro Nakao</i>	
On Inter-Domain Name Resolution for Information-Centric Networks . . .	13
<i>Konstantinos V. Katsaros, Nikos Fotiou, Xenofon Vasilakos, Christopher N. Ververidis, Christos Tsilopoulos, George Xylomenos, and George C. Polyzos</i>	
Cache “Less for More” in Information-Centric Networks	27
<i>Wei Koong Chai, Diliang He, Ioannis Psaras, and George Pavlou</i>	
Collaborative Forwarding and Caching in Content Centric Networks . . .	41
<i>Shuo Guo, Haiyong Xie, and Guangyu Shi</i>	

Social Networks

Crawling and Detecting Community Structure in Online Social Networks Using Local Information	56
<i>Norbert Blenn, Christian Doerr, Bas Van Kester, and Piet Van Mieghem</i>	
Distributed Content Backup and Sharing Using Social Information	68
<i>Jin Jiang and Claudio E. Casetti</i>	
Trans-Social Networks for Distributed Processing	82
<i>Nuno Apolónia, Paulo Ferreira, and Luís Veiga</i>	
Context-Sensitive Sentiment Classification of Short Colloquial Text	97
<i>Norbert Blenn, Kassandra Charalampidou, and Christian Doerr</i>	

Reliability and Resilience

Resilience in Computer Network Management	109
<i>Marcelo F. Vasconcelos and Ronaldo M. Salles</i>	
An Experimental Study on the Impact of Network Segmentation to the Resilience of Physical Processes	121
<i>Béla Genge and Christos Siaterlis</i>	

On the Vulnerability of Hardware Hash Tables to Sophisticated Attacks 135
Udi Ben-Porat, Anat Bremler-Barr, Hanoach Levy, and Bernhard Plattner

Degree and Principal Eigenvectors in Complex Networks 149
Cong Li, Huijuan Wang, and Piet Van Mieghem

Virtualization and Cloud Services

Resilient Virtual Network Design for End-to-End Cloud Services 161
Isil Burcu Barla, Dominic A. Schupke, and Georg Carle

Dynamic Scaling of Call-Stateful SIP Services in the Cloud 175
Nico Janssens, Xueli An, Koen Daenen, and Claudio Forlivesi

Remedy: Network-Aware Steady State VM Management for Data Centers 190
Vijay Mann, Akanksha Gupta, Partha Dutta, Anilkumar Vishnoi, Parantapa Bhattacharya, Rishabh Poddar, and Aakash Iyer

Building a Flexible and Scalable Virtual Hardware Data Plane 205
Junjie Liu, Yingke Xie, Gaogang Xie, Layong Luo, Fuxing Zhang, Xiaolong Wu, Qingsong Ning, and Hongtao Guan

IP Routing

Permutation Routing for Increased Robustness in IP Networks 217
Hung Quoc Vo, Olav Lysne, and Amund Kvalbein

Routing On Demand: Toward the Energy-Aware Traffic Engineering with OSPF 232
Meng Shen, Hongying Liu, Ke Xu, Ning Wang, and Yifeng Zhong

Minimization of Network Power Consumption with Redundancy Elimination 247
Frédéric Giroire, Joanna Moulierac, Truong Khoa Phan, and Frédéric Roudaut

Sign What You Really Care about – Secure BGP AS Paths Efficiently 259
Yang Xiang, Zhiliang Wang, Jianping Wu, Xingang Shi, and Xia Yin

Network Measurement

Estimating Network Layer Subnet Characteristics via Statistical Sampling 274
M. Engin Tozal and Kamil Sarac

Sparsity without the Complexity: Loss Localisation Using Tree Measurements	289
<i>Vijay Arya and Darryl Veitch</i>	
Efficient and Secure Decentralized Network Size Estimation	304
<i>Nathan Evans, Bartłomiej Polot, and Christian Grothoff</i>	
A Panoramic View of 3G Data/Control-Plane Traffic: Mobile Device Perspective	318
<i>Xiuqiang He, Patrick P.C. Lee, Lujia Pan, Cheng He, and John C.S. Lui</i>	
Network Mapping	
Towards a Robust Framework of Network Coordinate Systems	331
<i>Linpeng Tang, Zhiyong Shen, Qunyang Lin, and Junqing Xie</i>	
BSense: A Flexible and Open-Source Broadband Mapping Framework	344
<i>Giacomo Bernardi, Damon Fenacci, Mahesh K. Marina, and Dimitrios P. Pazaros</i>	
Validity of Router Responses for IP Aliases Resolution	358
<i>Santiago Garcia-Jimenez, Eduardo Magaña, Mikel Izal, and Daniel Morató</i>	
Semantic Exploration of DNS	370
<i>Samuel Marchal, Jérôme François, Cynthia Wagner, and Thomas Engel</i>	
LISP and Multi-domain Routing	
On the Dynamics of Locators in LISP	385
<i>Damien Saucez and Benoit Donnet</i>	
A Local Approach to Fast Failure Recovery of LISP Ingress Tunnel Routers	397
<i>Damien Saucez, Juhoon Kim, Luigi Iannone, Olivier Bonaventure, and Clarence Filsfils</i>	
An Analytical Model for the LISP Cache Size	409
<i>Florin Coras, Albert Cabellos-Aparicio, and Jordi Domingo-Pascual</i>	
Path Computation in Multi-layer Multi-domain Networks	421
<i>Mohamed Lamine Lamali, Hélia Pouyllau, and Dominique Barth</i>	
Author Index	435

Table of Contents – Part II

Video Streaming

Quality Adaptation in P2P Video Streaming Based on Objective QoE Metrics	1
<i>Julius Rückert, Osama Abboud, Thomas Zinner, Ralf Steinmetz, and David Hausheer</i>	
Playback Policies for Live and On-Demand P2P Video Streaming	15
<i>Fabio V. Hecht, Thomas Bocek, Flávio Roberto Santos, and Burkhard Stiller</i>	
SmoothCache: HTTP-Live Streaming Goes Peer-to-Peer	29
<i>Roberto Roverso, Sameh El-Ansary, and Seif Haridi</i>	
Leveraging Video Viewing Patterns for Optimal Content Placement	44
<i>K.-W. Hwang, D. Applegate, A. Archer, V. Gopalakrishnan, S. Lee, V. Misra, K.K. Ramakrishnan, and D.F. Swayne</i>	

Peer to Peer

Enhancing Traffic Locality in BitTorrent via Shared Trackers	59
<i>Haiyang Wang, Feng Wang, Jiangchuan Liu, and Ke Xu</i>	
A Task-Based Model for the Lifespan of Peer-to-Peer Swarms	71
<i>Yong Zhao, Zhibin Zhang, Ting He, Alex X. Liu, Li Guo, and Binxing Fang</i>	
Using Centrality Metrics to Predict Peer Cooperation in Live Streaming Applications	84
<i>Glauber D. Gonçalves, Anna Guimarães, Alex Borges Vieira, Ítalo Cunha, and Jussara M. Almeida</i>	
Content Publishing and Downloading Practice in BitTorrent	97
<i>Seungbae Kim, Jinyoung Han, Taejoong Chung, Hyun-chul Kim, Ted “Taekyoung” Kwon, and Yanghee Choi</i>	

Interdomain

Towards a Statistical Characterization of the Interdomain Traffic Matrix	111
<i>Jakub Mikians, Amogh Dhamdhere, Constantine Dovrolis, Pere Barlet-Ros, and Josep Solé-Pareta</i>	

Characterizing Inter-domain Rerouting after Japan Earthquake	124
<i>Yujing Liu, Xiapu Luo, Rocky K.C. Chang, and Jinshu Su</i>	
Measuring the Evolution of Internet Peering Agreements	136
<i>Amogh Dhamdhere, Himalatha Cherukuru, Constantine Dovrolis, and Kc Claffy</i>	
Obscure Giants: Detecting the Provider-Free ASes	149
<i>Syed Hasan and Sergey Gorinsky</i>	

Security

Detecting Stealthy Backdoors with Association Rule Mining	161
<i>Stefan Hommes, Radu State, and Thomas Engel</i>	
Security Adoption in Heterogeneous Networks: The Influence of Cyber-Insurance Market	172
<i>Zichao Yang and John C.S. Lui</i>	
Secure Client Puzzles Based on Random Beacons	184
<i>Yves Igor Jerschow and Martin Mauve</i>	
Heterogeneous Secure Multi-Party Computation	198
<i>Mentari Djatmiko, Mathieu Cunche, Roksana Boreli, and Aruna Seneviratne</i>	

Cooperation and Collaboration

Competition in Access to Content	211
<i>Tania Jiménez, Yezekael Hayel, and Eitan Altman</i>	
Modelling the Tradeoffs in Overlay-ISP Cooperation	223
<i>Raul Landa, Eleni Mykoniati, Richard G. Clegg, David Griffin, and Miguel Rio</i>	
Reducing the History in Decentralized Interaction-Based Reputation Systems	238
<i>Dimitra Gkorou, Tamás Vinkó, Nitin Chiluka, Johan Pouwelse, and Dick Epema</i>	
On the Problem of Revenue Sharing in Multi-domain Federations	252
<i>Isabel Amigo, Pablo Belzarena, and Sandrine Vatou</i>	

DTN and Wireless Sensor Networks

On the Impact of a Road-Side Infrastructure for a DTN Deployed on a Public Transportation System	265
<i>Sabrina Gaito, Dario Maggiorini, Christian Quadri, and Gian Paolo Rossi</i>	
Estimating File-Spread in Delay Tolerant Networks under Two-Hop Routing	277
<i>Arshad Ali, Eitan Altman, Tijani Chahed, Dieter Fiems, Manoj Panda, and Lucile Sassatelli</i>	
A Distributed Smart Application for Solar Powered WSNs	291
<i>T.V. Prabhakar, S.N. Akshay Uttama Nambi, R. Venkatesha Prasad, S. Shilpa, K. Prakruthi, and Ignas Niemegeers</i>	
A Two-Layer Approach for Energy Efficiency in Mobile Location Sensing Applications	304
<i>Yi-Yin Chang, Cheng-Yu Lin, and Ling-Jyh Chen</i>	

Wireless Networks I

Maximizing Lifetime of Connected-Dominating-Set in Cognitive Radio Networks	316
<i>Zhiyong Lin, Hai Liu, Xiaowen Chu, Yiu-Wing Leung, and Ivan Stojmenovic</i>	
Traffic-Aware Channel Assignment for Multi-radio Wireless Networks...	331
<i>Ryan E. Irwin, Allen B. MacKenzie, and Luiz A. DaSilva</i>	
QoE Analysis of Media Streaming in Wireless Data Networks	343
<i>Yuedong Xu, Eitan Altman, Rachid El-Azouzi, Salah Eddine Elayoubi, and Majed Haddad</i>	
Competition between Wireless Service Providers Sharing a Radio Resource	355
<i>Patrick Maillé, Bruno Tuffin, and Jean-Marc Vigne</i>	

Wireless Networks II

Relay Placement for Two-Connectivity	366
<i>Gruia Calinescu</i>	
A 2-Approximation Algorithm for Optimal Deployment of k Base Stations in WSNs	378
<i>Hui Wu and Sabbir Mahmud</i>	

A Semi-dynamic Evolutionary Power Control Game	392
<i>Majed Haddad, Eitan Altman, Julien Gaillard, and Dieter Fiems</i>	
Gossip-Based Counting in Dynamic Networks	404
<i>Ruud van de Bovenkamp, Fernando Kuipers, and Piet Van Mieghem</i>	
Author Index	419