<table>
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<tr>
<th>Time</th>
<th>GreenMetrics</th>
<th>W-PIN</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Registration opens</td>
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<tr>
<td>09:00</td>
<td><strong>Keynote</strong>&lt;br&gt;Challenges in multi-modal transport planning&lt;br&gt; Jochen Mundinger</td>
<td><strong>Keynote</strong>&lt;br&gt;Economics, QoS, and charging in the next great telecom revolution&lt;br&gt; Andrew Odlyzko</td>
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<td>10:00</td>
<td><strong>Paper Session: GreenIT</strong>&lt;br&gt;Measuring Energy Consumption for Short Code Paths Using RAPL&lt;br&gt; Marcus Hänel, Björn Döbel, Marcus Völp, Hermann Härtig</td>
<td><strong>Paper Session: Neutrality</strong>&lt;br&gt;Comparison of Search Engines Non-Neutral and Neutral Behaviors&lt;br&gt; Pierre Coucheney, Patrick Maillé and Bruno Tuffin</td>
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<td><strong>Paper Session: GreenIT</strong>&lt;br&gt;Empirical Evaluation of Power Saving Policies for Data Centers&lt;br&gt; Michele Mazzucco, Isi Mitranì</td>
<td><strong>Paper Session: Neutrality</strong>&lt;br&gt;Game Theoretic Analysis of Collusions in Nonneutral Networks&lt;br&gt; Manjesh Kumar Hanawal, Eitan Altman and Rajesh Sundaresan</td>
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<td>10:40</td>
<td>Evaluating the Need for Complexity in Energy-aware Management for Cloud Platforms&lt;br&gt; Pooja Ghumre, Junwei Li, Mukil Kesavan, Ada Gavrilovska, Karsten Schwan</td>
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<td>11:00</td>
<td><strong>Break</strong></td>
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<td>12:15</td>
<td><strong>Invited Talks</strong>&lt;br&gt;Branch Flow Model: Relaxations, Convexification, Computation&lt;br&gt; Steven Low</td>
<td><strong>Paper Session: Pricing and QoS</strong>&lt;br&gt;Newsvendor Model Of Capacity Sharing&lt;br&gt; Randall Berry, Michael Honig, Thanh Nguyen, Vijay Subramanian, Hang Zhou and Rakesh Vohra</td>
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<td>12:30</td>
<td>Price Differentiation in the Kelly Mechanism&lt;br&gt; Richard T. B. Ma, Dah Ming Chiu, John Chi Shing Lui, Vishal Misra and Dan Rubenstein</td>
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<td>13:00</td>
<td><strong>Lunch Break</strong></td>
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</table>
08:30 - 09:30
Micro and macro views of discrete state Markov models and their application to efficient simulation with Phase-type distributions Part 1
Philipp Reinecke, Miklós Telek and Katinka Wolter

09:30 - 10:30
PoTrA: A framework for Building Power Models For Next Generation Multicore Architectures Part 1
Ramon Bertran and Marc Gonzalez

09:30 - 10:30
Break

11:00 - 12:00
Micro and macro views of discrete state Markov models and their application to efficient simulation with Phase-type distributions Part 2
Philipp Reinecke, Miklós Telek and Katinka Wolter

11:30 - 12:30
PoTrA: A framework for Building Power Models For Next Generation Multicore Architectures Part 2
Ramon Bertran and Marc Gonzalez

13:00 – 14:00
Lunch Break
14:00 Unbundling the incumbent: Evidence from UK broadband
Tommaso Valletti

14:30 Evaluation of the Impacts of Geographically-Correlated Failures on Power Grids
Gil Zussman

15:00 The price of tussles: bankrupt in cyberspace?
Zied Ben Houidi and Hélia Pouyllau

15:15 Real-time distributed control of electrical vehicle charging
Catherine Rosenberg

15:30 Peering Strategy adoption by Transit Providers in the Internet: A Game Theoretic approach
Aemen Lodhi, Amogh Dhamdhere and Constantine Dovrolis

16:00 Pricing of insurance policies against cloud storage price rises
Loretta Mastroeni and Maurizio Naldi

16:30 On the Impact of Storage in Residential Power Distribution Systems
Omid Ardakanian, Catherine Rosenberg, S. Keshav

16:30 ISP vs. ISP+CDN: Can ISPs in Duopoly Profit by Introducing CDN Services?
Dongmyung Lee, Jeonghoon Mo and Jinwoo Park

16:50 Electric Grid Balancing through Low-Cost Workload Migration
David Chiu, Christopher Stewart, Bart McManus

17:00 On Greedy Network Formation
András Gulyás, Attila Körösi, Dávid Szabó and Gergely Biczók

17:10 Survivability Analysis of Distribution Automation Networks with Reactive Power Compensation
D. S. Menasche, R. M. M. Leao, E. de Souza e Silva, A. Avritzer, S. Suresh, K. S. Trivedi, R. Marie, L. Happe, A. Koziolék

17:30 On Greedy Network Formation
András Gulyás, Attila Körösi, Dávid Szabó and Gergely Biczók
14:30 Basic Theory and some Applications of Martingales Part 1
Richard A. Hayden

14:30 Applications of Machine Learning to Performance Evaluation
by Edmundo de Souza e Silva and Daniel Sadoc Menasche

Break

16:00

16:30 Basic Theory and some Applications of Martingales Part 2
Richard A. Hayden

16:30 Introduction to Network Experiments using the GENI CyberInfrastructure
Jay Aikat and Kevin Jeffay

18:00

Student Poster Session Set Up
Physics Common Room

18:30 – 21:00

Student Poster Session and Main Conference Opening Reception
Physics Common Room
07:45  Registration opens

08:30  Opening Remarks

08:45  Performance Implications of Flash and Storage Class Memories
       Naresh Patel

09:45  Delay Tails in MapReduce Scheduling
       Jian Tan, Xiaoqiao Meng and Li Zhang

10:15  Optimal Queue-Size Scaling in Switched Networks
       Devavrat Shah, Neil Walton and Yuan Zhong

10:45  Break

11:15  Minimizing Slowdown in Heterogeneous Size-Aware Dispatching Systems
       Esa Hyytiä, Samuli Aalto and Aleks Penttinen

11:45  Bipartite Graph Structures for Efficient Balancing of Heterogeneous Loads
       Mathieu Leconte, Marc Lelarge and Laurent Massoulié

12:15  Lunch Break

13:30  Workload Analysis of a Large-Scale Key-Value Store
       Berk Atikoglu, Yuehai Xu, Eitan Frachtenberg, Song Jiang and Mike Paleczny

14:00  A First Look at Cellular Machine-to-Machine Traffic – Large Scale Measurement and Characterization
       Muhammad Zubair Shafiq, Lusheng Ji, Alex X. Liu, Jeffrey Pang and Jia Wang

14:30  Bundling Practice in BitTorrent: What, How, and Why
       Jinyoung Han, Seungbae Kim, Taejoong Chung, Ted T. Kwon, Hyun-chul Kim and Yanghee Choi

15:00  Break

15:30  Energy-Efficient Congestion Control
       Lingwen Gan, Anwar Walid and Steven Low

16:00  Uniform Approximation of the Distribution for the Number of Retransmissions of Bounded Documents
       Predrag Jelenkovic and Evangelia D. Skiani

16:30  Fluid Limit of an Asynchronous Optical Packet Switch with Shared per Link Full Range Wavelength Conversion
       Benny Van Houdt and Luca Bortolussi

17:00  Towards Optimal Error-Estimating Codes through the Lens of Fisher Information Analysis
       Nan Hua, Ashwin Lall, Baochun Li and Jun Xu

18:00  Poster Session Set Up

18:30 – 21:00  Main Conference Poster Session
### SIGMETRICS/PERFORMANCE 2012

#### FRIDAY

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<thead>
<tr>
<th>Time</th>
<th>NetFPGA</th>
<th>SIGMETRICS/PERFORMANCE 2012</th>
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<tr>
<td>08:00</td>
<td>Registration opens</td>
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<tr>
<td>08:30</td>
<td>Uptime and Downtime Analysis for Hierarchical Redundant Systems in Telecommunications E.C. Coffman, Jr., Y. Kogan, W. Lai, V. Ramaswami</td>
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<tr>
<td>09:00</td>
<td>Optimal Congestion Control of TCP Flows for Internet Routers K. Avrachenkov, U. Ayesta, J. Doncel, P. Jacko</td>
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<td>09:30</td>
<td>Temporal Load Balancing for Distributed Backup Scheduling A. Schorgendorfer, P.M. van de Ven, B. Zhang</td>
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<td>10:00</td>
<td>Efficient Replication in Multi-Regional Peer-Supported VoD Systems Y. Rochman, H. Levy, E. Brosh</td>
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<td>11:00</td>
<td>Pricing and Queueing C. Borgs, J.T. Chayes, S. Doroudi, M. Harchol-Balter, K. Xu</td>
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<td>11:30</td>
<td>Stochastic Bounds for Randomized Load Balancing A.S. Godtschalk, F. Ciucu</td>
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<td>12:00</td>
<td>Estimating Queue Length Distributions for Queues with Random Arrivals D.S. Myers, M.K. Vernon</td>
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<td>Modeling Response Times in the Google ROADEF/EURO Challenge P. Cremonesi, A. Sansottera</td>
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<td>14:00</td>
<td>Provisioning for Large Scale Loss Network Systems with Applications in Cloud Computing Y. Tan, Y. Lu, C.H. Xia</td>
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<td>16:00</td>
<td>Analysis of the Large Number of Hosts Asymptotics of SITA Queues E. Bachmat, A. Natanzon</td>
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<td>16:30</td>
<td>Rate-Optimal Scheduling Schemes for Asynchronous Input-Queued Packet Switches T. Bonald, D. Cuda</td>
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<td>17:00</td>
<td>Online Optimization with Switching Cost M. Lin, A. Wierman, A. Roytman, A. Meyerson, L.L.H. Andrew</td>
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<td>17:45</td>
<td>Far-Out Vertices in Weighted Repeated Configuration Model B. Blaszczyszyn, K. Gaurav</td>
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<td>18:15</td>
<td>Replaying the Geometric Growth of Complex Networks and Application to the AS Internet F. Papadopoulos, C. Psomas, D. Krioukov</td>
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<td>18:45</td>
<td>Network Criticality in Vehicular Networks A. Tizghadam, W. Li, A. Leon-Garcia</td>
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