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Technical Program

June 1, 2011

1700 - 1900 Reception at Computer Science lounge, [2366 Main Mall V6T 1Z4](#). CS lounge is in the 8th floor of the Computer Science addition building([Room X860](#).)

June 2, 2010

0800 - 0830 Registration and Breakfast

0830 - 0845 Welcome

0845 - 1000 Keynote Speech

Jim Bankoski (Google Inc.) - Topic: WebM/VP8

1000 - 1030 Coffee Break

1030 - 1200 Session 1: Streaming

Chair: Jiangchuan Liu (Simon Fraser University)

LAN-Awareness: Improved P2P Live Streaming

Zhijie Shen (National University of Singapore)

Roger Zimmermann (National University of Singapore)

In-Network Adaptation of H.264/SVC for HD Video Streaming over 802.11g Networks

Ingo Kofler (Alpen-Adria Universitaet Klagenfurt)
Robert Kuschnig (Alpen-Adria Universitaet Klagenfurt)
Hermann Hellwagner (Alpen-Adria Universitaet Klagenfurt)

Media-aware Networking for SVC-based P2P Streaming

Osama Abboud (Technische Universität Darmstadt)
Konstantin Pussep (Technische Universität Darmstadt)
Dominik Stingl (Technische Universität Darmstadt)
Ralf Steinmetz (Technische Universität Darmstadt)

1200 - 1330 Lunch**1330 - 1500 Session 2: Wireless & Mobile Media Delivery**

Chair: Wu-chi Feng (Portland State University)

Mobile Video Streaming Using Location-Based Network Prediction and Transparent Handover

Kristian Evensen (Simula Research Laboratory)
Andreas Petlund (Simula Research Laboratory, University of Oslo)
Haakon Riiser (Netview Technology AS)
Paul Vigmonstad (Netview Technology AS)
Dominik Kaspar (Simula Research Laboratory)
Carsten Griwodz (Simula Research Laboratory, University of Oslo)
Pal Halvorsen (Simula Research Laboratory, University of Oslo)

The Impact of Inter-layer Network Coding on the Relative Performance of MRC/MDC WiFi Media Delivery

Rohan Gandh (Purdue University)
Meilin Yang (Purdue University)
Dimitrios Koutsonikolas (University at Buffalo, SUNY)
Y. Charlie Hu (Purdue University)
Mary Comer (Purdue University)
Amr Mohamed (Qatar University)
Chih-Chun Wang (Purdue University)

A Measurement Study of Resource Utilization in Internet Mobile Streaming

Yao Liu (George Mason University)
Fei Li (George Mason University)
Lei Guo (Microsoft Corporation)
Songqing Chen (George Mason University)

1500 - 1530 Coffee Break**1530 - 1730 Session 3: Social Media**

Chair: Songqing Chen (George Mason University)

Understanding Demand Volatility in Large VoD Systems

Di Niu (University of Toronto)
Baochun Li (University of Toronto)
Shuqiao Zhao (UUsee, Inc.)

Sharing Social Content from Home: A Measurement-driven Feasibility Study

Massimiliano Marcon (MPI-SWS)
Meeyoung Cha (MPI-SWS / Kaist)
Bimal Viswanath (MPI-SWS)
Krishna Gummadi (MPI-SWS)

Load-Balanced Migration of Social Media to Content Clouds

Xu Cheng (Simon Fraser University)
Jiangchuan Liu (Simon Fraser University)

1800 Banquet - Peter Wall Institute for Advanced Studies, [6331 Crescent Road V6T 1Z1](#)

June 3, 2010

0800 - 0830 Registration and Breakfast

0830 - 1000 Session 4: Networking

Chair: Osama Abboud (Technische Universitat Darmstadt)

Improving HTTP performance using "Stateless" TCP

David A. Hayes (Swinburne University of Technology)
Michael Welzl (University of Oslo)
Grenville Armitage (Swinburne University of Technology)
Mattia Rossi (Swinburne University of Technology)

A DTN Mode for Reliable Internet Telephony

Patrick Schreiner (Universitat Tubingen)
Christian Hoene (Universitat Tubingen)

Inferring the time-zones of Prefixes and Autonomous Systems by monitoring game server discovery traffic

Mattia Rossi (Swinburne University of Technology)
Philip Branch (Swinburne University of Technology)
Grenville Armitage (Swinburne University of Technology)

1000 - 1030 Coffee Break

1030 - 1200 Session 5: Systems

Chair: Ingo Kofler (Alpen-Adria Universitaet Klagenfurt)

GPU-based Fast Motion Estimation for On-the-Fly Encoding of Computer-Generated Video

Streams

Javier Taibo (University of Coruna)
Victor M. Gulias (University of Coruna)
Pablo Montero (University of Coruna)
Samuel Rivas (University of Coruna)

SAS Kernel: Streaming as a Service Kernel for Correlated Multi-Streaming

Pooja Agarwal (University of Illinois at Urbana Champaign)
Raoul Rivas (University of Illinois at Urbana Champaign)
Wanmin Wu (University of Illinois at Urbana Champaign)
Ahsan Arefin (University of Illinois at Urbana Champaign)
Zixia Huang (University of Illinois at Urbana Champaign)
Klara Nahrstedt (University of Illinois at Urbana Champaign)

Managing Home and Network Storage of Television Recordings. "I filled my DVR again! Now what?"

Raymond Sweha (BU, Verizon Labs)
Donald E Smith (Verizon Labs, Waltham MA)
James H Drew (Verizon Labs, Waltham MA)

1200 - 1330 Lunch**1330 - 1500 Session 6: Media Adaptation**

Chair: Baochun Li (University of Toronto)

Moving Beyond the Framebuffer

Charles D. Estes (University of North Carolina)
Ketan Mayer-Patel (University of North Carolina)

Systems Support for Stereoscopic Video Compression

Wu-chi Feng (Portland State University)
Feng Liu (Portland State University)
Yuzhen Niu (Portland State University)
Scott Price (Portland State University)

Accurate and Low-Delay Seeking Within and Across Mash-Ups of Highly-Compressed Videos

Bo Gao (CWI: Centrum Wiskunde & Informatica)
Jack Jansen (CWI: Centrum Wiskunde & Informatica)
Pablo Cesar (CWI: Centrum Wiskunde & Informatica)
Dick C. A. Bulterman (CWI: Centrum Wiskunde & Informatica)

1500 - 1530 Coffee Break**1530 - 1700 Session 7: Foundation of Media Communication**

Chair: Ketan Mayer-Patel (University of North Carolina, Chapel Hill)

Scalable Video Transmission: Packet Loss Induced Distortion Modeling and Estimation

Shujie Liu (State University of New York at Buffalo)
Chang Wen Chen (State University of New York at Buffalo)

Energy-efficient video streaming from high-speed trains

Xiaoqiang Ma (Simon Fraser University)

Jiangchuan Liu (Simon Fraser University)

Hongbo Jiang (Huazhong University of Science and Technology)

Celerity: Towards Low-Delay Multi-Party Conferencing

Xiangwen Chen (The Chinese University of Hong Kong)

Minghua Chen (The Chinese University of Hong Kong)

Baochun Li (University of Toronto)

Yao Zhao (Alcatel-Lucent)

Yunnan Wu (Facebook Inc.)

Jin Li (Microsoft Research)

1700 - 1715 Concluding Remarks