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NOSSDAV 2011

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Organization

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Kang Li, University of Georgia, USA

Local Arrangement: Aiman Erbad, University of British Columbia, Canada

Publicity: Kuan-Ta Chen, Academia Sinica, Taiwan
Yong Liu, Polytechnic Institute of NYU, USA

Technical Program Committee
Kevin Almeroth, University of California, Santa Barbara, USA
Grenville Armitage, Swinburne University of Technology, Australia
Ali C. Begen, Cisco, Canada
Ernst Biersack, Institute Eurecom, France
Surendar Chandra, FXPAL, USA
Kuan-Ta Chen, Academia Sinica, Taiwan
Songqing Chen, George Mason University, USA
Mark Claypool, Worcester Polytechnic Institute, USA
Wu-chang Feng, Portland State University, USA
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Carsten Griwodz, University of Oslo, Norway
Yang Guo, Bell Labs, USA
Pal Halvorsen, University of Oslo, Norway
Mohamed Hefeeda, Simon Fraser University, Canada
Cheng-Hsin Hsu, Deutsche Telekom Lab, USA
JongWon Kim, Gwangju Institute of Science and Technology, Korea
Andre Koenig, Technische Universitat Darmstadt, Germany
Baochun Li, University of Toronto, Canada
Jiangchuan Liu, Simon Fraser University, Canada
Yong Liu, Polytechnic University, USA
Andreas Mauthe, Lancaster University, UK
Ketan Mayer-Patel, University of North Carolina at Chapel Hill, USA
Klara Nahrstedt, University of Illinois at Urbana-Champaign, USA
Wei Tsang Ooi, National University of Singapore, Singapore
Sanjay Rao, Purdue University, USA
Reza Rejaie, University of Oregon, USA
Nabil Sarhan, Wayne State University, USA
Karin Schwan, Georgia Institute of Technology, USA
Prashant Shenoy, University of Massachusetts, Amherst, USA
Shervin Shirmohammadi, University of Ottawa, Canada

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NOSSDAV 2011

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Download this CFP as [pdf](#) or [txt](#)
Each accepted paper should have at least one regular (non-student) registration.

Please note that there are significant advantages to registering early (and joining ACM!). Early registration is before May 1st 2011. Note also that the registration fees will be collected by ACM in US$.

The registration to NOSSDAV 2011 is managed through RegOnline service. To register for NOSSDAV, please follow the link below:

Register Now

Past NOSSDAV Workshops
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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 Universitat Darmstadt)
Konstantin Pussep (Technische Universitat 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)
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
Travel Logistics

This page contains useful information for NOSSDAV 2011 participants. NOSSDAV 2011 is hosted in the University of British Columbia (UBC). The venue is the Liu Institute for Global Issues.

Address:
6476 North West Marine Drive
Vancouver, BC
CANADA V6T1Z2

Directions are available from the UBC Wayfinding web site.

Accommodation in Vancouver

Vancouver has a wide range of hotels at a variety of price points, so that you can usually find a spot that meets your financial constraints. UBC has great choices for participants who want to be close to the workshop venue. Please check UBC conferences and accommodation for the rates and availability.

For more options, downtown Vancouver has a variety of hotels. Public transport from downtown Vancouver to UBC takes around 30-45 minutes.

Information on Vancouver

Named "Top City of the Americas" in Conde Nast Traveler magazine's 2009 Readers' Choice Awards, Vancouver offers travellers both outstanding opportunities for outdoor adventure and the sophisticated amenities of a world-class city. Vancouver was also named a Top 100 World Destination pick in TripAdvisor's 2008 Travelers' Choice awards, and one of ten Best Family Vacations in Canada in the 2011 Travelers' Choice awards. Vancouver has been chosen as the world's "Most Liveable City" in 2011 by the Economist Intelligence Unit (EIU),
a title it has been awarded eight times since 2002.

For more information about Vancouver, visit the city of Vancouver facts page. For an updated list of events and places to visit while you are in town, see the site of Vancouver tourism.

Travel and Visa Information

For visa requirements, please consult the web pages of the Canadian Embassy in your country of citizenship. For an index of Canadian embassies abroad visit the Citizenship and Immigration Canada website. International registrants should be particularly aware and careful about visa requirements, and should plan travel well in advance.
Information for Participants

Getting Around Town

The best way to get around Vancouver is using the public transport system. Vancouver's world-class public transport system is comprised of SkyTrain (automated rapid transit), West Coast Express (commuter train), SeaBus (passenger-only ferries) and an extensive bus service. To plan your trip using public transport, please visit Translink.

The Canada Line SkyTrain connects downtown Vancouver to the Vancouver International Airport (YVR). To reach UBC using Canada Line, drop off at Broadway (City hall) station and take 99 B-Line bus. A taxi is another option, a trip from the airport to UBC campus or downtown hotels should take approximately 25-30 minutes and cost about $35 (CDN).

Venue

For more information about the closest parking (if you are driving) and to help in finding your way inside UBC, please use the following links for NOSSDAV'11 venues. The main technical program will be hold at the Liu Institute for Global Issues. The reception will be at the Computer Science lounge. Finally, the banquet dinner will be at the Peter Wall Institute For Advanced Studies.

More information about Vancouver can be found on the travel page.

Parking

UBC Parking options include Parkades, On-street Metered parking, and Surface lots. Note: parking is not permitted on any roadways or areas not designated for parking. For parking maps
visit UBC parking website. Parking in UBC is expensive and it is not included in the registration.

Two parking parkades closest to the workshop venue are Fraser River Parkade and Rose Garden Parkade.

**Food**

On June 1st, we will have light snack at the reception. On each of the workshop days (June 2nd-3rd), we will have breakfast, 2 coffee breaks, and lunch. The main conference banquet dinner is scheduled on June 2nd @ 6:00pm. Please check out the program for more details.
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Karsten Schwan, Georgia Institute of Technology
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Michael Zink, University of Massachusetts, Amherst

Sponsored by ACM SIGMM; In-cooperation with SIGCOMM and SIGOPS; and Hosted at UBC
The 21th International Workshop on Network and Operating Systems
Support for Digital Audio and Video

June 2-3, 2011
Vancouver, British Columbia, Canada

http://nss.cs.ubc.ca/nossdav2011/

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