WELCOME TO SIGCOMM 2016

S. Keshav, Chair, ACM SIGCOMM

Agenda

- Welcome – General Chairs
- Review process and Best Paper Awards – PC Chairs
- Test of time and Dissertation awards – Awards Chair
- SIGCOMM Award winner - SIGCOMM Chair
- Keynote: SIGCOMM Award Winner

GENERAL CHAIRS

Marinho Barcellos and Jon Crowcroft

Some statistics

- 383+ attendees
- 139+/73+ workshop/tutorial attendees
- 34+ countries represented
- 191+ students
- 122 travel award recipients

Overview of SIGCOMM 2016

Program

- 41 full-length papers (2 of which from CCR)
- Keynote by SIGCOMM Lifetime Achievement Award Winner
- 5 workshops and 4 tutorials:
  - Workshops: GAIA, HotMiddlebox, Internet-QoE, LANCOMM, NetPL
  - Tutorials: P4, Internet Measurements, Enabling Research in Future Wireless & Mobile Nets, SDN, NFV, and its Role in 5G
- 21 posters, 12 main track posters, 18 demos, and 8 industrial demos

Overview of SIGCOMM 2016

Socials

- Welcome reception
- N2Women dinner
- SIGCOMM Awards dinner

- Student dinner at Ataliba Churrascaria
- Conference banquet at Slaviero Ingleses (Aquamar)
- Breakfast at hotels, coffee breaks and luncheons at the venue

SIGCOMM 2016 Highlights

- Posters/demos/industrial demos/posters from main track papers (full day sessions, daily)

- Mentoring moments

- Topic preview sessions

- Community feedback session

- Live webcast of main conference sessions

- Remote presentations with interactive Q&A

Mentoring & Previews

- Mentoring moments (Craig & Fahad)
  - A chance for PhDs and post-docs to meet with faculty outside their university
  - Thanks to our teams of mentors!
  - Esmeralda 1 & 2 rooms

- Topic preview sessions (Ítalo, Ethan, & Maria)
  - All the background you need to have to understand an upcoming paper session – in 15 minutes
  - Monday 17:30-18:45 – Topic Preview 1 (Topazio room)
  - Wednesday 12:30-13:30 – Topic Preview 2 (Auditorium), Lunch provided
  - Thanks to volunteer presenters!

Anti-harassment policy

Harassment is unwelcome or hostile behavior, including speech that intimidates, creates discomfort, or interferes with a person's participation or opportunity for participation, in a conference, event or program. Harassment in any form will not be tolerated.

Details are on the SIGCOMM 2016 website

Reporting harassment

If you believe you have been harassed or notice that someone else is being harassed, you are encouraged to report the incident in confidence either by email or in person to one of the conference General Chairs or the SIGCOMM Chair S. Keshav or SIGCOMM Vice-Chair Renata Teixeira. You can also ask any volunteer at the conference, who will all be wearing distinctive clothing, to arrange an immediate meeting with one or more of these named individuals.

Details are on the SIGCOMM 2016 website

We thank our Organization Committee

- Amin Vahdat & Sachin Katti (PC)

- Weverton Cordeiro & Anna-Kaisa Pietilainen (Web)

- Marco Canini & Daniel Figueiredo (Posters)

- Pan Hui & Christian Rothenberg (Demos)

- Jussara Almeida & Lars Eggert (Workshops)

- Phillipa Gill, Costin Raiciu, Sue Moon & Lisandro Granville (Travel Grants)

- Christophe Diot (Treasurer)

- Fabíola Greve & Leobino Sampaio (@Salvador)

- Ronaldo Ferreira & Hamed Haddadi (Publicity)

We thank our Organization Committee

- Aakanksha Chowdhery & Matteo Varvello (Publication)
- Sharon Goldberg (Registration)
- Craig Partridge & Fahad Dogar (Mentoring)
- Raj Jain (Tutorials)
- Ítalo Cunha, Ethan Katz-Basset & Maria Kazandjieva (Topic Preview)
- Aruna Balasubramanian & Te-Yuan Huang (N2Women)
- Yashar Ganjali (Conference Coordinator)
- Fran Spinola (ACM HQ)
- S. Keshav & Renata Teixeira (EC)
- Student volunteers (from INF/UFRGS)

We thank our supporters

s16comm
Florianópolis, Brazil

PC CHAIRS

Sachin Katti and Amin Vahdat

Goal: An Excellent Program

- 56-member PC
  - chosen for technical excellence, review quality, topic coverage, diversity
  - ~1/5 of PC serving for first time
  - Split into heavy and light, heavy members present for paper discussion
  - Each discussed paper received ~8 reviews
- Emphasis throughout on seeing submissions' strengths and potential

Experience Track

For "experience papers on the design, analysis, and evaluation of techniques in commercial or otherwise widely used deployment"

Goal: help extend the community's knowledge of **how known techniques fare in realistic settings,** and particularly in settings that most in the community cannot duplicate, for reasons of scale or otherwise

Following on the success of 2015

Process: Reviewing

- 225 papers received 3 first-round reviews
  - About as many submissions as in 2015
  - Papers with support from >= 1 reviewer advanced to second round
- 99 papers advanced to second round
- 66 papers advanced to third round
- Papers discussed online at each round's end
- PC discussed 60 papers at PC meeting
- PC and outside experts wrote over 1000 reviews!

Process: PC Meeting

- 26 PC members attended 1.5 day meeting
- 60 papers discussed
    - Discussed papers had received around 8 reviews
    - Every paper had at least 5 reviewers in room for discussion
- 39 papers ultimately accepted

- All accepted papers shepherded by PC member to help authors produce strongest possible camera-ready

Process: Best Paper Award

- To avoid any appearance of conflict, handled independently by another PC member
  - PC Chairs not involved
  - Chair-authored papers not considered for the awards
- Expanded to award three Best Paper Awards
  - Recognizing the fact that there is very little to choose between the top papers
  - Merit of work as presented in camera-ready paper

Best Paper Award Winners

- **Don't Mind the Gap: Bridging Network-wide Objectives and Device-level Configurations;**
  Ryan Beckett (Princeton University), Ratul Mahajan (Microsoft), Todd Millstein (University of California, Los Angeles), Jitendra Padhye (Microsoft), David Walker (Princeton University)

- **Eliminating Channel Feedback in Next-Generation Cellular Networks;**
  Deepak Vasisht (MIT), Swarun Kumar (CMU), Hariharan Rahul (MIT), Dina Katabi (MIT)

- **Inter-Technology Backscatter: Towards Internet Connectivity for Implanted Devices;**
  Vikram Iyer (University of Washington), Vamsi Talla (University of Washington), Bryce Kellogg (University of Washington), Shyamnath Gollakota (University of Washington), Joshua Smith (University of Washington)

Outrageous Opinions Session

- Your humorous technical musings needed!
- At conference banquet on Wednesday evening
- See Bruce Maggs (bmm@cs.duke.edu), O-O session chair, to reserve a slot

Program Logistics: Speakers

- Speakers:
  - Please introduce yourself to your session chair ASAP-- definitely by end of session before yours
  - Please test projecting with your laptop at end of session before yours
  - Please arrive at your session > 10 minutes before its scheduled start time
  - 20 minutes per talk + 5 minutes Q & A
  - Change laptops quickly

AWARDS CHAIR

Bruce Maggs

Test of Time Awards

"The ACM SIGCOMM Test of Time Award recognizes papers published 10 to 12 years in the past in Computer Communication Review or any SIGCOMM sponsored or co-sponsored conference that is deemed to be an outstanding paper whose contents are still a vibrant and useful contribution today."

And the winners are…

Test of Time Award Winners

- **A First-Principles Approach to Understanding the Internet's Router-Level Topology** *Proc. SIGCOMM 2004*
  - Lun Li, David Alderson, Walter Willinger, John Doyle
- **Link-Level Measurements from an 802.11b Mesh Network** *Proc. SIGCOMM 2004*
  - Daniel Aguayo, John Bicket, Sanjit Biswas, Glenn Judd, Robert Morris

SIGCOMM Dissertation Award

"The SIGCOMM Doctoral Dissertation Award recognizes excellent thesis research by doctoral candidates in the field of computer networking and data communication."

SIGCOMM Dissertation Award

- Winner

    Mosharaf Chowdhury (Advisor: Ion Stoica, U.C. Berkeley)

    Coflow: A Networking Abstraction for Distributed Data-Parallel Applications

In conclusion…

S. Keshav

Community Feedback Session

- Membership trends

- Budget

- Current and new initiatives

17:30 (5:30pm) Wednesday, here

SIGCOMM Award

"The annual SIGCOMM Award recognizes lifetime contribution to the field of communication networks."

And the winner is…

SIGCOMM
Lifetime Achievement Award

Jim Kurose

For his sustained excellence in networking research, education, mentoring, and service to the SIGCOMM community.