

Alan E. Mislove

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RESEARCH INTERESTS

Systems, security, and privacy issues of social network-based systems; Internet measurement; algorithmic auditing; use and management of public key infrastructures

EDUCATION

- 05/2009 **Doctor of Philosophy** in Computer Science
Rice University, Houston, Texas
Thesis: *Online Social Networks: Measurement, Analysis, and Applications to Distributed Information Systems*
Advisors: Peter Druschel and Krishna P. Gummadi
- 12/2004 **Master of Science** in Computer Science
Rice University, Houston, Texas
Thesis: *POST: A Decentralized Platform for Reliable Collaborative Applications*
Advisor: Peter Druschel
- 05/2002 **Bachelor of Arts** in Computer Science and Mathematics, awarded *cum laude*
Rice University, Houston, Texas

PROFESSIONAL EXPERIENCE

- 08/2016 – Present **Associate Dean and Director of Undergraduate Programs**
College of Computer and Information Science, Northeastern University, Boston, Massachusetts
- 07/2015 – Present **Associate Professor**
College of Computer and Information Science, Northeastern University, Boston, Massachusetts
- 07/2015 – 06/2016 **Guest Professor**
Department of Economics, Copenhagen University, Copenhagen, Denmark
- 09/2009 – 06/2015 **Assistant Professor**
College of Computer and Information Science, Northeastern University, Boston, Massachusetts
- 07/2011 – Present **Co-Founder and Chief Data Architect**
Janys Analytics, Cambridge, Massachusetts

ADVISING

Postdoctoral Researchers

- 10/2015 – Present Taejoong Chung
04/2017 – Present Piotr Sapiezynski

Ph.D. Students

- 08/2017 – Present Giridhari Venkatadri
08/2016 – Present Shan Jiang (co-advised with Christo Wilson)
08/2016 – Present Lucianna Kiffer (co-advised with Rajmohan Rajaraman)
08/2016 – Present Connon Zanin
08/2011 – Present Arash Molavi Kakhki (co-advised with David Choffnes)
05/2010 – 11/2016 Yabing Liu (now at Twitter)
05/2011 – 07/2016 Liang Zhang (now at Google)
05/2010 – 06/2016 Anca Hannák (co-advised with David Lazer, now a postdoc at CEU)

08/2009 – 02/2016 Bimal Viswanath (co-advised with Krishna P. Gummadi, now a postdoc at University of Chicago)

Ph.D. Committees

Fall 2017 Chris Riederer (Columbia)
Spring 2016 Paridhi Jain (IIIT Delhi)
Spring 2015 Aldo Cassola (Northeastern)
Spring 2014 Qian Zhang (Northeastern)
Spring 2014 Kapil Arya (Northeastern)
Spring 2014 Alper Okcan (Northeastern)
Fall 2012 Tao Jin (Northeastern)
Spring 2012 Fangfei Zhou (Northeastern)
Spring 2012 Shahzad Rajput (Northeastern)
Spring 2012 Nicholas Blumm (Northeastern)

M.S. Committees

Spring 2015 Poonam Bhide (Northeastern)

Bachelors

Spring 2011 Tommy Nguyen (Suffolk, now at RPI)

TEACHING

F16, F17 CS 2500, Fundamentals of Computer Science I
S15 CS 3700, Networks and Distributed Systems
F11 – F14 CS 3600, Systems and Networks
F13 CS 5750/IS 4700, Social Information Systems (F13 co-taught with Christo Wilson)
F09, S11, F13 CS 4700/CS 5700, Fundamentals of Computer Networks (F13 co-taught with Christo Wilson)
F10 CS 5600, Computer Systems
S10 CS 7780, Special Topics in Networks

JOURNAL PUBLICATIONS

Meddle: Enabling Transparency and Control for Mobile Internet Traffic

A. Rao, A. Molavi Kakhki, A. Razaghpanah, A. Li, D. Choffnes, A. Legout, A. Mislove, and P. Gill
Journal of Technology Science, 2015103003, <http://techscience.org/a/2015103003/>, Oct. 2015

Timescales of Massive Human Entrainment

R. Fusaroli, M. Perlman, A. Mislove, A. Paxton, T. Matlock, and R. Dale
PLoS, 10(4), Apr. 2015

REFEREED CONFERENCE PUBLICATIONS

EMNLP'17 **Using millions of emoji occurrences to pretrain any-domain models for detecting emotion, sentiment and sarcasm**

B. Felbo, A. Mislove, A. Søgaard, I. Rahwan, and S. Lehmann
EMNLP, Copenhagen, Sept. 2017

USENIX Security'17 **A Longitudinal, End-to-End View of the DNSSEC Ecosystem**

T. Chung, R. van Rijswijk-Deij, B. Chandrasekaran, D. Choffnes, D. Levin, B. M. Maggs, A. Mislove, and C. Wilson
USENIX Security, Vancouver, Canada, Aug. 2017

IEEE S&P'17 **CRLite: a Scalable System for Pushing all TLS Revocations to Browsers**

J. Larisch, D. Choffnes, D. Levin, B. M. Maggs, A. Mislove, and C. Wilson
IEEE S&P, San Jose, CA, USA, May 2017

- CSCW'17 Bias in Online Freelance Marketplaces: Evidence from TaskRabbit and Fiverr**
A. Hannak, C. Wagner, D. Garcia, A. Mislove, M. Strohmaier, and C. Wilson
CSCW, Portland, OR, USA, Feb. 2017
- IMC'16 Measuring and Applying Invalid SSL Certificates: The Silent Majority**
T. Chung, Y. Liu, D. Choffnes, D. Levin, B. M. Maggs, A. Mislove, and C. Wilson
IMC, Santa Monica, CA, USA, Nov. 2016
- IMC'16 Tunneling for Transparency: A Large-Scale Analysis of End-to-End Violations in the Internet**
T. Chung, D. Choffnes, and A. Mislove
IMC, Santa Monica, CA, USA, Nov. 2016
- IMC'16 Classifiers Unclassified: An Efficient Approach to Revealing IP-Traffic Classification Rules**
F. Li, A. Molavi Kakhki, D. Choffnes, P. Gill, and A. Mislove
IMC, Santa Monica, CA, USA, Nov. 2016
- CCS'16 Measurement and Analysis of Private Key Sharing in the HTTPS Ecosystem**
F. Cangialosi, T. Chung, D. Choffnes, D. Levin, B. M. Maggs, A. Mislove, and C. Wilson
CCS, Vienna, Austria, Oct. 2016
- EuroSys'16 PicoCenter: Supporting long-lived, mostly-idle applications in cloud environments**
L. Zhang, J. Litton, F. Cangialosi, T. Benson, D. Levin, and A. Mislove
EuroSys, London, UK, Apr. 2016
- WWW'16 An Empirical Analysis of Algorithmic Pricing on Amazon Marketplace**
L. Chen, A. Mislove, and C. Wilson
WWW, Montréal, Canada, Apr. 2016
- COSN'15 Identifying Personal Information in Internet Traffic**
Y. Liu, H. H. Song, I. Bermudez, A. Mislove, M. Baldi, and A. Tongaonkar
COSN, Palo Alto, CA, USA, Nov. 2015
- COSN'15 Strength in Numbers: Robust Tamper Detection in Crowd Computations**
B. Viswanath, M. A. Bashir, M. B. Zafar, S. Bouget, S. Guha, K. P. Gummadi, A. Kate, and A. Mislove
COSN, Palo Alto, CA, USA, Nov. 2015
- IMC'15 Peeking Beneath the Hood of Uber**
L. Chen, A. Mislove, and C. Wilson
IMC, Tokyo, Japan, Oct. 2015
- IMC'15 An End-to-End Measurement of Certificate Revocation in the Web's PKI**
Y. Liu, W. Tome, L. Zhang, D. Choffnes, D. Levin, B. M. Maggs, A. Mislove, A. Schulman, and C. Wilson
IMC, Tokyo, Japan, Oct. 2015
- IMC'15 Opportunities and Challenges in Crowdsourced War-driving**
P. Sapiezynski, R. Gatej, A. Mislove, and S. Lehmann
IMC, Tokyo, Japan, Oct. 2015
- IMC'15 Identifying Traffic Differentiation in Mobile Networks**
A. Molavi Kakhki, A. Razaghpanah, H. Koo, A. Li, R. Golani, D. Choffnes, P. Gill, and A. Mislove
IMC, Tokyo, Japan, Oct. 2015
- IMC'15 Location, Location, Location: The Impact of Geolocation on Web Search Personalization**
C. Kliman-Silver, A. Hannák, D. Lazer, C. Wilson, and A. Mislove
IMC, Tokyo, Japan, Oct. 2015
- IMC'14 Measuring Price Discrimination and Steering on E-commerce Web Sites**
A. Hannak, G. Soeller, D. Lazer, A. Mislove, and C. Wilson
IMC, Vancouver, Canada, Nov. 2014

- IMC'14 Analysis of SSL certificate reissues and revocations in the wake of Heartbleed**
L. Zhang, D. Choffnes, T. D. D. Levin, A. Mislove, A. Schulman, and C. Wilson
IMC, Vancouver, Canada, Nov. 2014
- COSN'14 Measurement and Analysis of OSN Ad Auctions**
Y. Liu, C. Kliman-Silver, B. Krishnamurthy, R. Bell, and A. Mislove
COSN, Dublin, Ireland, Oct. 2014
- COSN'14 Beyond CPM and CPC: Determining the Value of Users on OSNs**
D. Saez-Trumper, Y. Liu, R. Baeza-Yates, B. Krishnamurthy, and A. Mislove
COSN, Dublin, Ireland, Oct. 2014
- USENIX Security'14 Towards Detecting Anomalous User Behavior in Online Social Networks**
B. Viswanath, M. A. Bashir, M. Crovella, S. Guha, K. P. Gummadi, B. Krishnamurthy, and A. Mislove
USENIX Security, San Diego, CA, USA, Aug. 2014
- SOUPS'14 Understanding and Specifying Social Access Control Lists**
M. Mondal, Y. Liu, B. Viswanath, K. P. Gummadi, and A. Mislove
SOUPS, Menlo Park, CA, USA, July 2014
- ICWSM'14 The tweets they are a-changin': Evolution of Twitter users and behavior**
Y. Liu, C. Kliman-Silver, and A. Mislove
ICWSM, Ann Arbor, MI, USA, June 2014
- ICWSM'14 Of Pins and Tweets: Investigating how users behave across image- and text-based social networks**
R. Ottoni, D. de Las Casas, J. P. Pesce, W. Meira, Jr, C. Wilson, A. Mislove, and V. Almeida
ICWSM, Ann Arbor, MI, USA, June 2014
- COSN'13 Building confederated Web-based services with Priv.io**
L. Zhang and A. Mislove
COSN, Boston, MA, USA, Oct. 2013
- WWW'13 Measuring Personalization of Web Search**
A. Hannak, P. Sapiezynski, A. Molavi Kakhki, B. Krishnamurthy, D. Lazer, A. Mislove, and C. Wilson
WWW, Rio de Janeiro, Brazil, May 2013
- WWW'13 IolauS: Securing online content rating systems**
A. Molavi Kakhki, C. Kliman-Silver, and A. Mislove
WWW, Rio de Janeiro, Brazil, May 2013
- EuroSys'13 Maygh: Building a CDN from client web browsers**
L. Zhang, F. Zhou, A. Mislove, and R. Sundaram
EuroSys, Prague, Czech Republic, Apr. 2013
- CoNEXT'12 Defending against large-scale crawls in online social networks**
M. Mondal, B. Viswanath, A. Clement, P. Druschel, K. P. Gummadi, A. Mislove, and A. Post
CoNEXT, Nice, France, Dec. 2012
- IEEE NCA'12 WebCloud: Recruiting social network users to assist in content distribution**
F. Zhou, L. Zhang, E. Franco, A. Mislove, R. Revis, and R. Sundaram
IEEE NCA, Cambridge, MA, USA, Aug. 2012
- EuroSys'12 Canal: Scaling social network-based Sybil tolerance schemes**
B. Viswanath, M. Mondal, K. P. Gummadi, A. Mislove, and A. Post
EuroSys, Bern, Switzerland, Apr. 2012
- IMC'11 Analyzing Facebook privacy settings: User expectations vs. reality**
Y. Liu, K. P. Gummadi, B. Krishnamurthy, and A. Mislove
IMC, Berlin, Germany, Nov. 2011

- NSDI'11 Bazaar: Strengthening user reputations in online marketplaces**
A. Post, V. Shah, and A. Mislove
NSDI, Boston, MA, USA, Mar. 2011
- SIGCOMM'10 An Analysis of Social Network-based Sybil Defenses**
B. Viswanath, A. Post, K. P. Gummadi, and A. Mislove
SIGCOMM, Delhi, India, Aug. 2010
- WSDM'10 You are who you know: Inferring user profiles in Online Social Networks**
A. Mislove, B. Viswanath, K. P. Gummadi, and P. Druschel
WSDM, New York, NY, USA, Feb. 2010
- WWW'09 A Measurement-driven Analysis of Information Propagation in the Flickr Social Network**
M. Cha, A. Mislove, and K. P. Gummadi
WWW, Madrid, Spain, Apr. 2009
- IMC'08 Detecting BitTorrent Blocking**
M. Dischinger, A. Mislove, A. Haeberlen, and K. P. Gummadi
IMC, Vouliagmeni, Greece, Oct. 2008
- NSDI'08 Ostra: Leveraging trust to thwart unwanted communication**
A. Mislove, A. Post, K. P. Gummadi, and P. Druschel
NSDI, San Francisco, CA, USA, Apr. 2008
- IMC'07 Measurement and Analysis of Online Social Networks**
A. Mislove, M. Marcon, K. P. Gummadi, P. Druschel, and B. Bhattacharjee
IMC, San Diego, CA, USA, Oct. 2007
- EuroSys'06 Experiences in building and operating ePOST, a reliable peer-to-peer application**
A. Mislove, A. Post, A. Haeberlen, and P. Druschel
EuroSys, Leuven, Belgium, Apr. 2006
- NSDI'05 Glacier: Highly durable, decentralized storage despite massive correlated failures**
A. Haeberlen, A. Mislove, and P. Druschel
NSDI, Boston, MA, USA, May 2005

REFEREED WORKSHOP AND OTHER SHORT PUBLICATIONS

- Internet-QoE'16 BingeOn Under the Microscope: Understanding T-Mobile's Zero-Rating Implementation**
A. Molavi Kakhki, F. Li, D. Choffnes, E. Katz-Bassett, and A. Mislove
Internet-QoE, Florianópolis, Brazil, Aug. 2016
- USEC'14 Beyond Access Control: Managing Online Privacy via Exposure**
M. Mondal, P. Druschel, K. P. Gummadi, and A. Mislove
USEC, San Diego, CA, USA, Feb. 2014
- ICWSM'12 Tweetin' in the Rain: Exploring societal-scale effects of weather on mood (Poster Paper)**
A. Hannak, E. Anderson, L. F. Barrett, S. Lehmann, A. Mislove, and M. Riedewald
ICWSM, Dublin, Ireland, June 2012
- WWW'12 Simplifying Friendlist Management (Demo Paper)**
Y. Liu, B. Viswanath, M. Mondal, K. P. Gummadi, and A. Mislove
WWW, Lyon, France, Apr. 2012
- ICWSM'11 Understanding the demographics of Twitter users (Poster Paper)**
A. Mislove, S. Lehmann, Y.-Y. Ahn, J.-P. Onnela, and J. N. Rosenquist
ICWSM, Barcelona, Spain, July 2011

- WOSN'09 On the Evolution of User Interaction in Facebook**
B. Viswanath, A. Mislove, M. Cha, and K. P. Gummadi
WOSN, Barcelona, Spain, Aug. 2009
- WOSN'08 Growth of the Flickr Social Network**
A. Mislove, H. S. Koppula, K. P. Gummadi, P. Druschel, and B. Bhattacharjee
WOSN, Seattle, WA, USA, Aug. 2008
- WOSN'08 Characterizing Social Cascades in Flickr**
M. Cha, A. Mislove, B. Adams, and K. P. Gummadi
WOSN, Seattle, WA, USA, Aug. 2008
- HotNets'06 Exploiting Social Networks for Internet Search**
A. Mislove, K. P. Gummadi, and P. Druschel
HotNets, Irvine, CA, USA, Nov. 2006
- IPTPS'06 Fallacies in evaluating decentralized systems**
A. Haeberlen, A. Mislove, A. Post, and P. Druschel
IPTPS, Santa Barbara, CA, USA, Feb. 2006
- IPTPS'05 Sharing micronews with peer-to-peer event notification**
D. Sandler, A. Mislove, A. Post, and P. Druschel
IPTPS, Ithaca, NY, USA, Feb. 2005
- SIGOPS-EW'04 AP3: Cooperative, decentralized anonymous communication**
A. Mislove, G. Oberoi, A. Post, P. Druschel, and D. S. Wallach
SIGOPS-EW, Leuven, Belgium, Sept. 2004
- IPTPS'04 Providing Administrative Control and Autonomy in Peer-to-Peer Overlays**
A. Mislove and P. Druschel
IPTPS, La Jolla, CA, USA, Feb. 2004
- HotOS'03 POST: A Secure, Resilient, Cooperative Messaging System**
A. Mislove, A. Post, C. Reis, P. Willmann, P. Druschel, D. S. Wallach, X. Bonnaire, P. Sens, J.-M. Busca, and L. Arantes-Bezerra
HotOS, Lihue, HI, USA, May 2003

NON-REFEREED PUBLICATIONS

Investigating End-To-End Integrity Violations in Internet Traffic

A. Mislove, D. Choffnes, and T. Chung
TPRC, Arlington, VA, USA, Sept. 2017

An empirical validation of growth models for complex networks

A. Mislove, H. S. Koppula, K. P. Gummadi, P. Druschel, and B. Bhattacharjee
Dynamics On and Of Complex Networks, Volume 2, Niloy Ganguly, Animesh Mukherjee, Bivas Mitra, Fernando Peruani, and Monojit Choudhury, eds., Springer-Verlag Publishers, Heidelberg, Germany, <http://www.springer.com/us/book/9781461467281>, Jan. 2012

Exploring the design space of social network-based Sybil defense

B. Viswanath, M. Mondal, A. Clement, P. Druschel, K. P. Gummadi, A. Mislove, and A. Post
COMSNETS, Bangalore, India, Jan. 2012

Defending against large-scale crawls in online social networks

M. Mondal, B. Viswanath, A. Clement, P. Druschel, K. P. Gummadi, A. Mislove, and A. Post
MPI-SWS, Technical Report 2011-006, Nov. 2011

Addressing the Privacy Management Crisis in Online Social Networks

K. P. Gummadi, B. Krishnamurthy, and A. Mislove

IAB Workshop on Internet Privacy, Boston, MA, USA, Dec. 2010

Is Twitter a national mood ring? A. Mislove

CNN.com, Aug. 2010

<http://www.cnn.com/2010/OPINION/08/03/mislove.twitter.research>.

Online Social Networks: Measurement, Analysis, and Applications to Distributed Information Systems

A. Mislove

Ph.D. Thesis, Rice University, Department of Computer Science, May 2009

ePOST

A. Mislove, A. Haeberlen, A. Post, and P. Druschel

Peer-to-Peer Systems and Applications, LNCS 3485, chapter 12, Ralf Steinmetz and Klaus Wehrle, eds., Springer-Verlag Publishers, Heidelberg, Germany, <http://link.springer.com/book/10.1007/11530657>, Aug. 2005

Consistent Key Mapping in Structured Overlays

A. Haeberlen, J. Hoyer, A. Mislove, and P. Druschel

Rice University, Department of Computer Science, Technical Report TR05-456, Aug. 2005

POST: A Decentralized Platform for Reliable Collaborative Applications

A. Mislove

Master's Thesis, Rice University, Department of Computer Science, Dec. 2004

INVITED TALKS

INVITED WORKSHOPS AND PANELS

- 03/14/2017 *Innovations in Informatics Education at Universities - International Best Practice Workshop*, TU Wien
- 2017 *Proposal Review Panel*, NSF
- 2016 *Proposal Review Panel*, NSF
- 2015 *Data Transparency Lab Grant Committee*, Telefónica
- 2015 *Proposal Review Panel*, NSF
- 05/22/2014 *SaTC Frontier External Review Panel*, NSF
- 2014 *Proposal Review Panel*, NSF
- 2013 *Proposal Review Panel*, NSF
- 2013 *Proposal Review Panel*, NSF
- 2013 *Proposal Review Panel*, NSF
- 2012 *Proposal Review Panel*, NSF
- 2012 *Proposal Review Panel*, NSF
- 2012 *Proposal Review Panel*, NSF
- 11/13/2012 *NSF US–Japan Networking Research Collaboration Workshop*, Tokyo, Japan
- 10/15/2012 *Synergic Investigations in Network Science*, Bertinoro, Italy
- 02/23/2012 *Workshop on Social Networks and Mobility in the Cloud*, NSF
- 11/09/2011 *Workshop on Analysis of Dynamic Social and Technological Networks (#11452)*, Dagstuhl
- 06/28/2011 *New England Summit on Cyber Security*, Boston University
- 05/23/2011 *Online Social Networks and Health Research*, Columbia University
- 04/03/2011 *Social Networking Roundtable*, Qatar Computing Research Institute
- 2010 *Proposal Review Panel*, NSF
- 12/08/2010 *Internet Privacy Workshop*, IAB
- 07/20/2010 *Cybervetting Focus Group*, IACP
- 06/22/2010 *Apps in 2020*, IEEE SECON'10
- 04/16/2010 *Idea Summit: Mapping Edges in a World of Global Connectivity*, DARPA
- 03/23/2006 *Workshop on Peer-to-Peer Systems and Applications (#06131)*, Dagstuhl

POSTERS

- 08/21/2017 *The Root Canary: Monitoring and Measuring the DNSSEC Root Key Rollover*, SIGCOMM'17
- 08/28/2015 *Picocenter: Supporting long-lived, mostly-idle applications in cloud environments*, SOCC'15
- 10/02/2014 *Modeling content sharing preferences in Online Social Networks*, COSN'14
- 08/20/2014 *Identifying Traffic Differentiation on Cellular Data Networks*, SIGCOMM'14 (2nd place, research competition)
- 03/26/2014 *Identifying traffic differentiation by mobile providers*, AIMS'14
- 04/15/2013 *Magyh: Building a CDN from client web browsers*, EuroSys'13
- 10/24/2011 *Mitigating Sybil attacks on content rating systems*, SOSp'11
- 08/17/2011 *Limiting large-scale crawls of social networking sites*, SIGCOMM'11 (research competition finalist)
- 07/20/2011 *Understanding the demographics of Twitter users*, ICWSM'11
- 03/30/2011 *WebCloud: Enabling more direct content exchange between Web clients*, NSDI'11
- 04/16/2008 *Anonymity in the Personalized Web*, NSDI'08

PATENTS

- 06/02/2015 A. Mislove and A. Molavi Kakhki, "Systems and Methods for Securing Online Content Ratings," U.S. patent 9,047,628, issued Jun. 2015.
- 01/14/2014 A. Mislove and R. Sundaram, "Content Distribution Network using a Web Browser and Locally Stored Content to Directly Exchange Content between Users," U.S. patent 8,631,091, issued Jan. 2014.

HONORS AND AWARDS

- 2017 ACM SIGCOMM Test of Time Award, for IMC'07 paper *Measurement and Analysis of Online Social Networks*
- 2017 Outstanding Reviewer Award, WWW'17
- 2015 Best Paper Award, COSN'15
- 2014 Community Contribution Award, COSN'14

- 2014 Distinguished Paper Award, USEC'14
- 2013 TwitterMood visualization selected for *Places & Spaces: Mapping Science* exhibit
- 2011 Google Faculty Research Award
- 2011 NSF CAREER Award
- 2010 Institutional Nominee, Microsoft Research Faculty Fellowship, Northeastern University
- 2004 Distinguished Graduate Student Award, Department of Computer Science, Rice University
- 2003 Honorable Mention, NSF Graduate Research Fellowship

SERVICE

Local Arrangements Chair

- '13 ACM Conference on Online Social Networks (COSN)

Organizing Committee Member

- '14 New England Networking and Systems Day (NENS)
- '13 International School and Conference on Network Science (NetSci)

Poster Committee Chair

- '15 ACM Conference on Online Social Networks (COSN)
- '10 Passive and Active Measurement Conference (PAM)

Program Committee Chair

- '16 Workshop on Data and Algorithmic Transparency (DAT)
- '08 Workshop on Social Network Systems (SNS)

Program Committee Member

- '14, '15 ACM Conference on Online Social Networks (COSN)
- '14, '15, '16, '17 Conference on Emerging Networking Experiments and Technologies (CoNEXT)
- '12, '13 International Workshop on Complex Networks (CompleNet)
- '14 European Conference on Computer Systems (EuroSys)
- '15 International Conference on Computational Social Science (IC2S2)
- '13 IEEE International Conference on Distributed Computing Systems (ICDCS)
- '12 International Conference on Network Protocols (ICNP)
- '13, '14 International Conference on Weblogs and Social Media (ICWSM)
- '12, '14, '15, '17 Internet Measurement Conference (IMC)
- '15 USENIX Symposium on Networked Systems Design and Implementation (NSDI)
- '11 Workshop on the Economics of Networks, Systems, and Computation (NetEcon)
- '10, '11, '14, '16, '17 Passive and Active Measurement Conference (PAM)
- '17 International Conference on Measurement and Modeling of Computer Systems (SIGMETRICS)
- '11 Workshop on Simplifying Complex Networks for Practitioners (SIMPLEX)
- '08, '09 Workshop on Social Network Systems (SNS)
- '11, '12 Systems and Storage Conference (SYSTOR)
- '16 Workshop on Understanding and Enhancing Online Privacy (UEOP)
- '12 Workshop on Online Social Networks (WOSN)
- '13, '14 International Conference on Web Search and Data Mining (WSDM)
- '12, '13, '14, '16, '17, International World Wide Web Conference, Social Networks Track (WWW)
- '18 '12 ACM Web Science Conference (WebSci)

Publicity Chair

- '11 Haifa Experimental Systems Conference (SYSTOR)

Senior Program Committee Member

- '16, '17 International Conference on Weblogs and Social Media (ICWSM)

Track Chair

- '15 International World Wide Web Conference, Social Networks Track (WWW)

FUNDING

Amazon Web Services

- 12/2015 – 12/2016 Research in Education Grant, *PicoCenter: Supporting long-lived, mostly idle applications in cloud environments*. PI. \$5k.
- 12/2013 – 12/2015 Research in Education Grant, *Deploying confederated web services*. PI. \$5k.
- 12/2011 – 12/2013 Research in Education Grant, *Measuring and Predicting Sentiment in Online Social Networks*. PI. \$7k.
- 12/2010 – 12/2011 Research in Education Grant, *Measuring Information Flow in Real-Time*. PI. \$7k.
- 12/2009 – 12/2010 Research in Education Grant, *Tracing the Spread of Information in Social Networks*. PI. \$4k.

Army Research Office

- 10/2012 – 10/2016 W911NF-12-1-0556, *Will the revolution be tweeted? Weak ties, social media, and flash movements*. Co-PI, joint with David Lazer. \$400k.

Data Transparency Lab

- 07/2017 – 07/2018 Research Award, *Increasing transparency of data aggregation by Facebook and partners*. PI, joint with Krishna P. Gummadi. €50k.
- 07/2015 – 07/2016 Research Award, *Revealing and Controlling Mobile Privacy Leaks*. Co-PI, joint with David Choffnes and Christo Wilson. €50k.

Google

- 12/2011 Google Faculty Research Award, *Mitigating Sybil attacks on content rating systems*. PI. \$49k.

Narus

- 03/2014 Unrestricted Gift, *Identification of User Data Gathered and Shared by Companies*. PI. \$40k.

National Science Foundation

- 10/2016 – 09/2019 CNS-1617728, *NeTS: Small: A Principled Approach to Enabling Policy Transparency for Mobile Networks*. Co-PI, joint with David Choffnes. \$299k.
- 10/2016 – 09/2019 CNS-1616234, *NeTS: Small: Collaborative Research: Leveraging Personalized Internet Services to Combat Online Trolling*. PI, joint with Aleksandar Kuzmanovic (Northwestern). \$499k (total), \$249k (NEU).
- 06/2016 – 05/2020 CNS-1563320, *TWC: Medium: Collaborative: Measuring and Improving the Management of Today's PKI*. PI, joint with Christo Wilson, David Choffnes, Dave Levin (UMD), and Tudor Dumitras (UMD). \$1.1m (total), \$598k (NEU).
- 10/2014 – 09/2017 CNS-1421444, *TWC: Small: Towards Robust Crowd Computations*. PI. \$450k.
- 08/2014 – 07/2018 CNS-1409191, *CSR: Medium: Collaborative Research: Towards Finer-grained Cloud Computing*. PI, joint with Dave Levin (UMD) and Theophilus Benson (Duke). \$1.2m (total), \$400k (NEU).
- 08/2014 – 07/2018 CHS-1408345, *NeTS: Medium: Towards Transparency of Personalization on the Web*. Co-PI, joint with Christo Wilson and David Lazer. \$727k.
- 09/2013 – 08/2016 CNS-1319019, *CSR: Small: Towards Confederated Web-Based Services*. PI, joint with Christo Wilson. \$498k.
- 09/2011 – 08/2016 CNS-1054233, *CAREER: Systems for the emerging patterns of content exchange*. PI. \$450k.
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