

ETHAN KATZ-BASSETT
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Research Interests

networking: Internet reliability and performance, Internet measurement, routing, content delivery, Internet-scale distributed systems, system design and deployment

I design systems to improve the reliability and performance of Internet services. To understand the problems, I look to the needs of operators and providers, and I conduct measurements. Based on what I learn, I design deployable systems to improve the Internet and services that run over it.

Education

Ph.D., Computer Science and Engineering, University of Washington, Seattle, WA (March 2012)

Advisors: Tom Anderson and Arvind Krishnamurthy

Dissertation: *Systems for Improving Internet Availability and Performance*

Won the department's 2012 William Chan Memorial Dissertation Award

B.A., Computer Science & Mathematics, Williams College, Williamstown, MA (June 2001)

Magna Cum Laude

Employment

Columbia University, Electrical Engineering Department, New York, NY

Associate Professor (2017-current)

Affiliate, Computer Science Department (2017-current)

Member, Computer Engineering Program (2017-current)

Member, Sense, Collect and Move Data Center, Data Science Institute (2017-current)

University of Southern California, Computer Science Department, Los Angeles, CA

Adjunct Research Associate Professor (2018-2021)

Associate Professor (2018)

Andrew and Erna Viterbi Early Career Chair (2016-2017)

Assistant Professor (2012-2018)

Google Inc., Seattle, WA

Software Engineer, mobile performance (2011-2012)

University of Massachusetts, Lab for Advanced Software Engineering Research, Amherst, MA

Department Research Assistant, (summers & falls, 2001-2003)

Honors and Awards

- Best Paper Award, *The New (Pareto) Frontier of Cloud Routing: High Availability, Precise Control, or Configuration Stability — Choose Two*, CoNEXT 2025
- ACM IMC Test of Time Award, *PEERING: An AS for Us*, 2025
- Best of SIGCOMM CCR, *Can We Save the Public Internet?*, 2024
- Best of SIGCOMM CCR, *Who Squats IPv4 Addresses?*, 2023
- Best Short Paper Award, *The Best of Both Worlds: High Availability CDN Routing Without Compromising Control*, IMC 2022
- Best Paper Award, *Seven Years in the Life of Hypergiants' Off-Nets*, SIGCOMM 2021
- Best Paper Runner Up, *Tracking Down Sources of Spoofed IP Packets*, Networking 2020

- SIGCOMM Rising Star Award, 2019
- Applied Networking Research Prize, IRTF/IETF, *Edge Fabric*, 2019
- Top Prize: Enabling Technology, NYC Media Lab, *Requet*, 2019
- Best of SIGCOMM CCR, *Towards a Methodology for Measuring Adoption of RPKI*, 2018
- Andrew and Erna Viterbi Early Career Chair, 2016
- Facebook Faculty Award, 2016, 2017
- Google Faculty Research Award, 2013, 2014, 2015, 2016
- Applied Networking Research Prize, IRTF/IETF, *TCP Gentle Aggression*, 2014
- NSF CAREER Award, *Routing for the Emerging Topologies of Modern Internet Services*, 2014
- William Chan Memorial Dissertation Award, 2012
- Best Paper Award, *Reverse Traceroute*, NSDI 2010
- Best Paper Award, *Consensus Routing*, NSDI 2008
- Highest Rated Paper, *Hubble*, NSDI 2008

Honors and Awards Received by My Students

- First runner-up, SIGCOMM Doctoral Dissertation Award for
Outstanding PhD Thesis in Computer Networking, Tom Koch, 2025
- Honorable Mention (1 of 2 runners-up), SIGCOMM Doctoral Dissertation Award for
Outstanding PhD Thesis in Computer Networking, Brandon Schlinker, 2022
- Facebook Fellowship Finalist (top 40 of 800), Yi-Ching Chiu, 2017
- Facebook Fellow in Networking & Operating Systems, Brandon Schlinker, 2016
- Honorable Mention, CRA Outstanding Undergraduate Researcher Award, Colin Scott, 2011
- CRA Outstanding Female Undergraduate Researcher Award, Justine Sherry, 2010

Publications

I underlined the names of students/postdocs whom I advise(d) and italicized the names of students who conducted the project initiated and mentored by me while in one of my classes or while a visitor to my group.

Refereed Conference Publications

2025

1. **The New (Pareto) Frontier of Cloud Routing: High Availability, Precise Control, or Configuration Stability — Choose Two.**
J. Zhu, T. Koch, I. Mammadov, S. Yu, K. Vermeulen, M. Calder, I. Cunha, **E. Katz-Bassett**.
CoNEXT 2025 (ACM Conference on emerging Networking EXperiments and Technologies),
(Google Scholar H5-index: 33).
Awarded Best Paper.
2. **Do Spammers Dream of Electric Sheep? Characterizing the Prevalence of LLM-Generated Malicious Emails.**
W. Hao, V. Tran, V. Rideout, Z. Wang, A. Dasbach-Prisk, M. Afifi, J. Yang, **E. Katz-Bassett**, G. Ho, A. Cidon.
IMC 2025 (ACM Internet Measurement Conference), (17% acceptance rate, Google Scholar H5-index: 37).

3. **Internet Service Usage and Delivery As Seen From a Residential Network.**
S. Yu, T. Koch, I. Mammadov, H. Cao, G. Zussman, **E. Katz-Bassett**.
ACM SIGMETRICS 2025/ACM POMACS 2025, (20% acceptance rate).
4. **Uncovering BGP Action Communities and Community Squatters in the Wild.**
B. A. Da Silva Jr., A. de Carvalho, I. Cunha, T. Friedman, **E. Katz-Bassett**, R. Ferreira.
ACM SIGMETRICS 2025/ACM POMACS 2024, (18% acceptance rate).
5. **Characterizing the Networks Sending Enterprise Phishing Emails.**
E. Luo, L. Young, G. Ho, M.H. Afifi, M. Schweighauser, **E. Katz-Bassett**, A. Cidon.
PAM 2025 (Passive and Active Measurements Conference).

2024

6. **An Architecture For Edge Networking Services.**
L. Brown, E. Marx, D. Bali, E. Amaro, D. Sur, E. Kissel, I. Monga, **E. Katz-Bassett**, A. Krishnamurthy, J. McCauley, T. Narechania, A. Panda, S. Shenker.
SIGCOMM 2024 (ACM Special Interest Group on Data Communication), (17% acceptance rate, 21.05 impact factor in 2010, Google Scholar H5-index: 72).
7. **Principles for Internet Congestion Management.**
L. Brown, A. Alcoz, F. Cangialosi, A. Narayan, M. Alizadeh, H. Balakrishnan, E. Friedman, **E. Katz-Bassett**, A. Krishnamurthy, M. Schapira, S. Shenker.
SIGCOMM 2024 (ACM Special Interest Group on Data Communication), (17% acceptance rate, 21.05 impact factor in 2010, Google Scholar H5-index: 72).
8. **metAScritic: Reframing AS-Level Topology Discovery as a Recommendation System.**
L. Salamatian, K. Vermeulen, I. Cunha, V. Giotsas, **E. Katz-Bassett**.
IMC 2024 (ACM Internet Measurement Conference), (22% acceptance rate, Google Scholar H5-index: 37).
9. **What's in the Dataset? Unboxing the APNIC per AS User Population Dataset.**
L. Salamatian, C. Ardi, V. Giotsas, M. Calder, **E. Katz-Bassett**, T. Arnold.
IMC 2024 (ACM Internet Measurement Conference), (22% acceptance rate, Google Scholar H5-index: 37).
10. **RPSLyzer: Characterization and Verification of Policies in Internet Routing Registries.**
S. He, I. Cunha, **E. Katz-Bassett**.
IMC 2024 (ACM Internet Measurement Conference), (22% acceptance rate, Google Scholar H5-index: 37).

2023

11. **PAINTER: Ingress Traffic Engineering and Routing for Enterprise Cloud Networks.**
T. Koch, S. Yu, S. Agarwal, **E. Katz-Bassett**, R. Beckett.
SIGCOMM 2023 (ACM Special Interest Group on Data Communication), (22% acceptance rate, 21.05 impact factor in 2010, Google Scholar H5-index: 72).

2022

12. **The Best of Both Worlds: High Availability CDN Routing Without Compromising Control.**
J. Zhu, K. Vermeulen, I. Cunha, **E. Katz-Bassett**, M. Calder.
IMC 2022 (ACM Internet Measurement Conference), (26% acceptance rate, Google Scholar H5-index: 37).
Awarded Best Short Paper.
13. **Internet Scale Reverse Traceroute.**
K. Vermeulen, E. Gurmericililer, I. Cunha, D. Choffnes, **E. Katz-Bassett**.
IMC 2022 (ACM Internet Measurement Conference), (26% acceptance rate, Google Scholar H5-index: 37).

14. **Automatic Inference of BGP Location Communities.**
B. A. Da Silva Jr., P. Mol, O. Fonseca, I. Cunha, R. A. Ferreira, **E. Katz-Bassett**.
ACM SIGMETRICS 2022, (24% acceptance rate).

2021

15. **Seven Years in the Life of Hypergiants' Off-Nets.**
P. Gigis, M. Calder, L. Manassakis, G. Nomikos, V. Kotronis, X. Dimitropoulos, **E. Katz-Bassett**, G. Smaragdakis.
SIGCOMM 2021 (ACM Special Interest Group on Data Communication), (23% acceptance rate, 21.05 impact factor in 2010, Google Scholar H5-index: 72).
Awarded Best Paper.
16. **Anycast in Context: A Tale of Two Systems.**
T. Koch, K. Li, C. Ardi, M. Calder, J. Heidemann, E. Katz-Bassett.
SIGCOMM 2021 (ACM Special Interest Group on Data Communication), (23% acceptance rate, 21.05 impact factor in 2010, Google Scholar H5-index: 72).
17. **Towards Identifying Networks with Internet Clients Using Public Data.**
W. Jiang, T. Luo, T. Koch, Y. Zhang, **E. Katz-Bassett**, M. Calder.
IMC 2021 (ACM Internet Measurement Conference), (28% acceptance rate, Google Scholar H5-index: 37).
18. **Measuring the network performance of Google Cloud Platform.**
R. K. P. Mok, H. Zou, R. Yang, T. Koch, E. Katz-Bassett, k. claffy.
IMC 2021 (ACM Internet Measurement Conference), (28% acceptance rate, Google Scholar H5-index: 37).
19. **Facebook's Tectonic Filesystem: Efficiency from Exascale.**
S. Pan, T. Stavrinou, Y. Zhang, A. Sikaria, P. Zakharov, A. Sharma, S. Shankar P, M. Shuey, R. Wareing, M. Gangapuram, G. Cao, C. Preseau, P. Singh, K. Patiejunas, JR Tipton, **E. Katz-Bassett**, W. Lloyd.
FAST 2021 (USENIX Conference on File and Storage Technologies), (22% acceptance rate, Google Scholar H5-index: 41).

2020

20. **Reduce, Reuse, Recycle: Repurposing existing measurements to identify stale traceroutes.**
V. Giotsas, T. Koch, E. Fazzion, I. Cunha, M. Calder, H. Madhyastha, **E. Katz-Bassett**.
IMC 2020 (ACM Internet Measurement Conference), (25% acceptance rate, Google Scholar H5-index: 37).
21. **Cloud Provider Connectivity in the Flat Internet.**
T. Arnold, J. He, W. Jiang, M. Calder, I. Cunha, V. Giotsas, **E. Katz-Bassett**.
IMC 2020 (ACM Internet Measurement Conference), (25% acceptance rate, Google Scholar H5-index: 37).
22. **(How Much) Does a Private WAN Improve Cloud Performance?**
T. Arnold, E. Gurmericililer, G. Essig, A. Gupta, M. Calder, V. Giotsas, **E. Katz-Bassett**.
INFOCOM 2020 (IEEE International Conference on Computer Communications), (20% acceptance rate, Google Scholar H5-index: 72).
23. **DISCO: Sidestepping RPKI's Deployment Barriers.**
T. Hlavacek, I. Cunha, Y. Gilad, A. Herzberg, E. Katz-Bassett, M. Schapira, H. Shulman.
NDSS 2020 (Network and Distributed System Security Symposium), (18% acceptance rate, Google Scholar H5-index: 71).
24. **Tracking Down Sources of Spoofed IP Packets.**
O. Fonseca, I. Cunha, E. Fazzion, W. Meira Jr., B. Junior, R. A. Ferreira, **E. Katz-Bassett**.
IFIP Networking 2020, (28% acceptance rate, Google Scholar H5-index: 23).
Awarded Best Paper Runner Up.

2019

25. **Internet Performance from Facebook's Edge.**
B. Schlinker, I. Cunha, Y. Chiu, S. Sundaresan, **E. Katz-Bassett**.
IMC 2019 (ACM Internet Measurement Conference), (20% acceptance rate, Google Scholar H5-index: 37).
26. **PEERING: Virtualizing BGP at the Edge for Research.**
B. Schlinker, T. Arnold, I. Cunha, **E. Katz-Bassett**.
CoNEXT 2019 (ACM Conference on emerging Networking EXperiments and Technologies), (17% acceptance rate, Google Scholar H5-index: 33).
27. **Requet: Real-time QoE Detection for Encrypted YouTube Traffic.**
C. Gutterman, K. Guo, S. Arora, X. Wang, L. Wu, **E. Katz-Bassett**, G. Zussman.
MMSys 2019 (ACM Multimedia Systems Conference), (40% acceptance rate, Google Scholar H5-index: 31).
Top Prize: Enabling Technology, NYC Media Lab, 2019.

2018

28. **Oboe: Auto-tuning Video ABR Algorithms to Network Conditions.**
Z. Akhtar, Y. Nam, R. Govindan, S. Rao, J. Chen, **E. Katz-Bassett**, B. Ribeiro, J. Zhan, H. Zhang.
SIGCOMM 2018 (ACM Special Interest Group on Data Communication), (14% acceptance rate, 21.05 impact factor in 2010, Google Scholar H5-index: 72).
29. **Odin: Microsoft's Scalable Fault-Tolerant CDN Measurement System.**
M. Calder, R. Gao, M. Schroder, R. Stewart, J. Padhye, R. Mahajan, G. Ananthanarayanan, **E. Katz-Bassett**.
NSDI 2018 (USENIX Symposium on Networked Systems Design & Implementation), (16% acceptance rate, 11.85 impact factor in 2010, Google Scholar H5-index: 62).
30. **Understanding Video Management Planes.**
Z. Akhtar, Y. Nam, J. Chen, R. Govindan, **E. Katz-Bassett**, S. Rao, J. Zhan, H. Zhang.
IMC 2018 (ACM Internet Measurement Conference), (25% acceptance rate, Google Scholar H5-index: 37).

2017

31. **Engineering Egress with Edge Fabric: Steering Oceans of Content to the World.**
B. Schlinker, H. Kim, T. Cui, **E. Katz-Bassett**, H. Madhyastha, I. Cunha, J. Quinn, S. Hasan, P. Lapukhov, H. Zeng.
SIGCOMM 2017 (ACM Special Interest Group on Data Communication), (14% acceptance rate, 21.05 impact factor in 2010, Google Scholar H5-index: 72).
Awarded Applied Networking Research Prize, IRTF/IETF, 2019.
32. **The Record Route Option is an Option!**
B. Goodchild, Y. Chiu, H. Lu, R. Hansen, M. Calder, D. Choffnes, W. Lloyd, M. Luckie, **E. Katz-Bassett**.
IMC 2017 (ACM Internet Measurement Conference), (23% acceptance rate, Google Scholar H5-index: 37).

2016

33. **An Internet-Wide Analysis of Traffic Policing.**
T. Flach, P. Papageorge, A. Terzis, L. Pedrosa, Y. Cheng, T. Karim, **E. Katz-Bassett**, R. Govindan.
SIGCOMM 2016 (ACM Special Interest Group on Data Communication), (17% acceptance rate, 21.05 impact factor in 2010, Google Scholar H5-index: 72).
34. **Sibyl: A Practical Internet Route Oracle.**
I. Cunha, P. Marchetta, M. Calder, Y. Chiu, B. Schlinker, B. Machado, A. Pescapè, V. Giotsas, H. Madhyastha, **E. Katz-Bassett**.
NSDI 2016 (USENIX Symposium on Networked Systems Design & Implementation), (20% acceptance rate, 11.85 impact factor in 2010, Google Scholar H5-index: 62).
35. **Modeling HTTP/2 Speed from HTTP/1 Traces.**
K. Zarifis, M. Holland, M. Jain, **E. Katz-Bassett**, R. Govindan.
PAM 2016 (Passive and Active Measurements Conference), (32% acceptance rate).

2015

36. **Condor: Better Topologies Through Declarative Design.**
B. Schlinker, R. N. Mysore, S. Smith, J. C. Mogul, A. Vahdat, M. Yu, **E. Katz-Bassett**, M. Rubin.
SIGCOMM 2015 (ACM Special Interest Group on Data Communication), (16% acceptance rate, 21.05 impact factor in 2010, Google Scholar H5-index: 72).
37. **Are We One Hop Away from a Better Internet?**
Y. Chiu, B. Schlinker, A. B. Radhakrishnan, **E. Katz-Bassett**, R. Govindan.
IMC 2015 (ACM Internet Measurement Conference), (26% acceptance rate, Google Scholar H5-index: 37).
38. **Analyzing the Performance of an Anycast CDN.**
M. Calder, A. Flavel, **E. Katz-Bassett**, R. Mahajan, J. Padhye.
IMC 2015 (ACM Internet Measurement Conference), (26% acceptance rate, Google Scholar H5-index: 37).
39. **Investigating Interdomain Routing Policies in the Wild.**
R. Anwar, H. Niaz, D. Choffnes, I. Cunha, P. Gill, **E. Katz-Bassett**.
IMC 2015 (ACM Internet Measurement Conference), (26% acceptance rate, Google Scholar H5-index: 37).
40. **Investigating Transparent Web Proxies in Cellular Networks.**
X. Xu, Y. Jiang, T. Flach, **E. Katz-Bassett**, D. Choffnes, R. Govindan.
PAM 2015 (Passive and Active Measurements Conference), (27% acceptance rate).

2014

41. **SDX: A Software Defined Internet Exchange.**
A. Gupta, L. Vanbever, M. Shahbaz, S. P. Donovan, B. Schlinker, N. Feamster, J. Rexford, S. Shenker, R. Clark, **E. Katz-Bassett**.
SIGCOMM 2014 (ACM Special Interest Group on Data Communication), (19% acceptance rate, 21.05 impact factor in 2010, Google Scholar H5-index: 72).
42. **DIBS: Just-in-time Congestion Mitigation for Data Centers.**
K. Zarifis, R. Miao, M. Calder, **E. Katz-Bassett**, M. Yu, J. Padhye.
EuroSys 2014 (European Conference on Computer Systems), (18% acceptance rate, Google Scholar H5-index: 38).
43. **Diagnosing Path Inflation of Mobile Client Traffic.**
K. Zarifis, T. Flach, S. Nori, D. Choffnes, R. Govindan, **E. Katz-Bassett**, Z. M. Mao, M. Welsh.
PAM 2014 (Passive and Active Measurements Conference), (32% acceptance rate).

44. **Peering at the Internet's Frontier: A First Look at ISP Interconnectivity in Africa.**
A. Gupta, M. Calder, N. Feamster, M. Chetty, E. Calandro, **E. Katz-Bassett**.
PAM 2014 (Passive and Active Measurements Conference), (32% acceptance rate).
45. **The Need for End-to-End Evaluation of Cloud Availability.**
Z. Hu, L. Zhu, C. Ardi, **E. Katz-Bassett**, H. Madhyastha, J. Heidemann, M. Yu.
PAM 2014 (Passive and Active Measurements Conference), (32% acceptance rate).
46. **Mobile Network Performance from User Devices: A Longitudinal, Multidimensional Analysis.**
A. Nikraves, D. Choffnes, **E. Katz-Bassett**, Z. M. Mao, M. Welsh.
PAM 2014 (Passive and Active Measurements Conference), (32% acceptance rate).
47. **Dissecting Round Trip Time on the Slow Path Using a One-Packet Approach.**
P. Marchetta, A. Botta, **E. Katz-Bassett**, A. Pescapè.
PAM 2014 (Passive and Active Measurements Conference), (32% acceptance rate).

2013

48. **Reducing Web Latency: the Virtue of Gentle Aggression.**
T. Flach, N. Dukkipati, A. Terzis, B. Raghavan, N. Cardwell, Y. Cheng, A. Jain, S. Hao,
E. Katz-Bassett, R. Govindan.
SIGCOMM 2013 (ACM Special Interest Group on Data Communication), (16% acceptance rate,
21.05 impact factor in 2010, Google Scholar H5-index: 72).
Awarded Applied Networking Research Prize, IRTF/IETF, 2014.
49. **PoiRoot: Investigating the Root Cause of Interdomain Path Changes.**
U. Javed, I. Cunha, D. R. Choffnes, **E. Katz-Bassett**, A. Krishnamurthy, T. Anderson.
SIGCOMM 2013 (ACM Special Interest Group on Data Communication), (16% acceptance rate,
21.05 impact factor in 2010, Google Scholar H5-index: 72).
50. **SPANStore: Cost-Effective Geo-Replicated Storage Spanning Multiple Cloud Services.**
Z. Wu, M. Butkiewicz, D. Perkins, **E. Katz-Bassett**, H. Madhyastha.
SOSP 2013 (ACM Symposium on Operating Systems Principles), (19% acceptance rate, 18.91
impact factor in 2010).
51. **Mapping the Expansion of Google's Serving Infrastructure.**
M. Calder, X. Fan, Z. Hu, R. Govindan, J. Heidemann, **E. Katz-Bassett**.
IMC 2013 (ACM Internet Measurement Conference), (24% acceptance rate, Google Scholar H5-
index: 37).

2012

52. **LIFEGUARD: Practical Repair of Persistent Route Failures.**
E. Katz-Bassett, C. Scott, D. R. Choffnes, I. Cunha, V. Valancius, N. Feamster,
H. V. Madhyastha, T. Anderson, A. Krishnamurthy.
SIGCOMM 2012 (ACM Special Interest Group on Data Communication), (14% acceptance rate,
21.05 impact factor in 2010, Google Scholar H5-index: 72).
53. **Quantifying Violations of Destination-based Forwarding on the Internet.**
T. Flach, **E. Katz-Bassett**, R. Govindan.
IMC 2012 (ACM Internet Measurement Conference), (25% acceptance rate, Google Scholar H5-
index: 37).

Published before 2012, when I became faculty

54. **Reverse Traceroute.**
E. Katz-Bassett, H. V. Madhyastha, V. K. Adhikari, C. Scott, J. Sherry, P. van Wesep,
T. Anderson, A. Krishnamurthy.
NSDI 2010 (USENIX Symposium on Networked Systems Design & Implementation), (17%
acceptance rate, 11.85 impact factor in 2010, Google Scholar H5-index: 62).
Awarded Best Paper.

55. **Resolving IP Aliases with Prespecified Timestamps.**
J. Sherry, **E. Katz-Bassett**, M. Pimenova, H. V. Madhyastha, T. Anderson, A. Krishnamurthy.
IMC 2010 (ACM Internet Measurement Conference), (22% acceptance rate, Google Scholar H5-index: 37).
56. **iPlane Nano: Path Prediction for Peer-to-Peer Applications.**
H. V. Madhyastha, **E. Katz-Bassett**, T. Anderson, A. Krishnamurthy, A. Venkataramani.
NSDI 2009 (USENIX Symposium on Networked Systems Design & Implementation), (20% acceptance rate, 11.85 impact factor in 2010, Google Scholar H5-index: 62).
57. **Studying Black Holes in the Internet with Hubble.**
E. Katz-Bassett, H. V. Madhyastha, J. P. John, A. Krishnamurthy, D. Wetherall, T. Anderson.
NSDI 2008 (USENIX Symposium on Networked Systems Design & Implementation), (18% acceptance rate, 11.85 impact factor in 2010, Google Scholar H5-index: 62).
Highest Rated Paper in Conference, based on anonymized average ratings from conference reviews.
58. **Consensus Routing: The Internet as a Distributed System.**
J. P. John, **E. Katz-Bassett**, A. Krishnamurthy, T. Anderson, A. Venkataramani.
NSDI 2008 (USENIX Symposium on Networked Systems Design & Implementation), (18% acceptance rate, 11.85 impact factor in 2010, Google Scholar H5-index: 62).
Awarded Best Paper.
59. **Towards IP Geolocation using Delay and Topology Measurements.**
E. Katz-Bassett, J. P. John, A. Krishnamurthy, D. Wetherall, T. Anderson, Y. Chawathe.
IMC 2006 (ACM Internet Measurement Conference), (22% acceptance rate, Google Scholar H5-index: 37).

Refereed Workshop / Short Publications and Presentations

2024

60. **Toward Applying Quantum Computing to Network Verification.**
K. Dozier, K. N. Berg, J. Beltran, L. Salamatian, H. Matousek, **E. Katz-Bassett**, D. Rubenstein.
HotNets 2024 (ACM Workshop on Hot Topics in Networks), (28% acceptance rate, Google Scholar H5-index: 25).

2023

61. **The Central Problem with Distributed Content: Common CDN Deployments Centralize Traffic In A Risky Way.**
K. Vermeulen, L. Salamatian, S. H. Kim, M. Calder, **E. Katz-Bassett**.
HotNets 2023 (ACM Workshop on Hot Topics in Networks), (28% acceptance rate, Google Scholar H5-index: 25).

2021

62. **Towards an Internet Traffic Map.**
T. Koch, W. Jiang, T. Luo, P. Gigis, Y. Zhang, K. Vermeulen, E. Aben, M. Calder, **E. Katz-Bassett**, L. Manassakis, G. Smaragdakis, N. Vallina-Rodriguez.
HotNets 2021 (ACM Workshop on Hot Topics in Networks), (31% acceptance rate, Google Scholar H5-index: 25).
63. **Don't Be a Blockhead: Zoned Namespaces Make Work on Conventional SSDs Obsolete.**
T. Stavrinou, D. S. Berger, **E. Katz-Bassett**, W. Lloyd.
HotOS 2021 (Workshop on Hot Topics in Operating Systems), (27% acceptance rate).

2020

64. **On the Future of Congestion Control for the Public Internet.**
L. Brown, G. Ananthanarayanan, **E. Katz-Bassett**, A. Krishnamurthy, S. Ratnasamy, M. Schapira, S. Shenker.
HotNets 2020 (ACM Workshop on Hot Topics in Networks), (25% acceptance rate, Google Scholar H5-index: 25).

2019

65. **Beating BGP is Harder than We Thought.**
T. Arnold, M. Calder, A. Gupta, I. Cunha, H. Madhyastha, M. Schapira, **E. Katz-Bassett**.
HotNets 2019 (ACM Workshop on Hot Topics in Networks), (20% acceptance rate, Google Scholar H5-index: 25).

2016

66. **BingeOn Under the Microscope: Understanding T-Mobile's Zero-Rating Implementation.**
A. M. Kakhki, F. Li, D. Choffnes, A. Mislove, **E. Katz-Bassett**.
ACM SIGCOMM Workshop on Internet Quality of Experience, (48% acceptance rate).

2015

67. **Assessing Affinity Between Users and CDN Sites.**
X. Fan, **E. Katz-Bassett**, J. Heidemann.
TMA 2015 (Workshop on Traffic Monitoring and Analysis), (30% acceptance rate).

2014

68. **PEERING: An AS for Us.**
B. Schlinker, K. Zarifis, I. Cunha, N. Feamster, **E. Katz-Bassett**.
HotNets 2014 (ACM Workshop on Hot Topics in Networks), (22% acceptance rate, Google Scholar H5-index: 25).
69. **Flexible Internet Routing for Cloud Tenants and Cloud Researchers.**
E. Katz-Bassett, B. Schlinker.
NSFCloud Workshop on Experimental Support for Cloud Computing, 2014.
70. **Impactful Routing Research with the PEERING Testbed.**
E. Katz-Bassett.
NANOG 61 Lightning Talk, 2014 (North American Network Operators Group Conference).
71. **Try Before you Buy: SDN Emulation with (Real) Interdomain Routing.**
B. Schlinker, K. Zarifis, I. Cunha, N. Feamster, **E. Katz-Bassett**, M. Yu.
ONS 2014 (Open Networking Summit).

2013

72. **Don't Trust Traceroute (Completely).**
P. Marchetta, V. Persico, **E. Katz-Bassett**, A. Pescapè.
CoNEXT Student Workshop 2013 (ACM Conference on emerging Networking EXperiments and Technologies Student Workshop).
Awarded Best Paper.
73. **Towards Impactful Routing Research: Running Your Own (Emulated) AS on the (Real) Internet.**
B. Schlinker, K. Zarifis, I. Cunha, N. Feamster, **E. Katz-Bassett**, M. Yu.
CoNEXT Student Workshop 2013 (ACM Conference on emerging Networking EXperiments and Technologies Student Workshop).
74. **Diagnosing Slow Web Page Access at the Client Side.**
T. Flach, **E. Katz-Bassett**, R. Govindan.
CoNEXT Student Workshop 2013 (ACM Conference on emerging Networking EXperiments and Technologies Student Workshop).

Published before 2012, when I became faculty

75. **Machiavellian Routing: Improving Internet Availability with BGP Poisoning.**
E. Katz-Bassett, D. R. Choffnes, *I. Cunha*, *C. Scott*, T. Anderson, A. Krishnamurthy.
 HotNets 2011 (ACM Workshop on Hot Topics in Networks), (20% acceptance rate, Google Scholar H5-index: 25).
76. **Measuring the Internet by Coordinating Distributed Vantage Points (extended abstract).**
E. Katz-Bassett.
 SIGMETRICS 2009 Student Thesis Panel.
77. **Reverse Traceroute.**
E. Katz-Bassett.
 RIPE 58, 2009 (Réseaux IP Européens Network Operator Conference).
78. **Practical Reverse Traceroute.**
E. Katz-Bassett.
 NANOG 45, 2009 (North American Network Operators Group Conference).
79. **Real-time Blackhole Analysis with Hubble.**
E. Katz-Bassett.
 NANOG 40, 2007 (North American Network Operators Group Conference).

Refereed Journal Publications

80. **Can We Save the Public Internet?**
 M. Blumenthal, R. Govindan, **E. Katz-Bassett**, A. Krishnamurthy, J. McCauley, N. Merrill, T. Narechania, A. Panda, S. Shenker.
 CCR 2024 (ACM SIGCOMM Computer Communications Review).
Awarded Best of SIGCOMM CCR.
81. **Who squats IPv4 Addresses?**
L. Salamatian, T. Arnold, *I. Cunha*, *J. Zhu*, *Y. Zhang*, **E. Katz-Bassett**, M. Calder.
 CCR 2023 (ACM SIGCOMM Computer Communications Review).
Awarded Best of SIGCOMM CCR.
82. **MASON: Scalable, Contiguous Sequencing for Building Consistent Services.**
C. Hodsdon, *T. Stavrinou*, **E. Katz-Bassett**, W. Lloyd.
 Journal of Systems Research (JSys), 2023.
83. **Identifying Networks Vulnerable to IP Spoofing.**
 O. Fonseca, *I. Cunha*, E. Fazzion, W. Meira Jr., B. Junior, R. A. Ferreira, **E. Katz-Bassett**.
 TNSM 2021 (IEEE Transactions on Network and Service Management).
 Extended version of paper that appeared in IFIP Networking 2020.
84. **Requet: Real-Time QoE Detection for Encrypted YouTube Traffic.**
 C. Gutterman, K. Guo, S. Arora, T. Gilliland, X. Wang, L. Wu, **E. Katz-Bassett**, G. Zussman.
 TOMM 2020 (ACM Transactions On Multimedia Computing, Communications, and Applications), (Google Scholar H5-index: 32).
 Extended version of paper that appeared in MMSys 2019.
85. **Towards a Rigorous Methodology for Measuring Adoption of RPKI Route Validation and Filtering.**
 A. Reuter, R. Bush, *I. Cunha*, **E. Katz-Bassett**, T. Schmidt, M. Wahlisch.
 CCR 2018 (ACM SIGCOMM Computer Communications Review).
Awarded Best of SIGCOMM CCR.
86. **Helping Conference Attendees Better Understand Research Presentations.**
E. Katz-Bassett, J. Sherry, T.-Y. Huang, M. Kazandjieva, C. Partridge, F. Dogar.
 Communications of the ACM (CACM), 2016.

87. **DBit: Assessing Statistically Significant Differences in CDN Performance.**
Z. Akhtar, A. Hussain, **E. Katz-Bassett**, R. Govindan.
Computer Networks 107, 2016.
Originally in TMA (Workshop on Traffic Monitoring and Analysis) 2016, (34% acceptance rate).
88. **Increasing Patient Safety and Efficiency in Transfusion Medicine Using Process Formalization.**
E. A. Henneman, R. Cobleigh, K. Frederick, **E. Katz-Bassett**, G. S. Avrunin, L. A. Clarke, L. J. Osterweil, C. Andrzejewski Jr., K. Merrigan, P. L. Henneman.
Transfusion Medicine Reviews, 21(1):49-57. January 2007.

Non-Refereed Journal Publications

89. **Revitalizing the Public Internet By Making it Extensible.**
H. Balakrishnan, S. Banerjee, I. Cidon, D. Culler, D. Estrin, **E. Katz-Bassett**, A. Krishnamurthy, M. McCauley, N. McKeown, A. Panda, S. Ratnasamy, J. Rexford, M. Schapira, S. Shenker, I. Stoica, D. Tennenhouse, A. Vahdat, E. Zegura.
CCR 2021 (ACM SIGCOMM Computer Communications Review).

Invited Presentations

- **Resilient, high-performance inbound traffic engineering for CDNs and clouds.**
Google, 2023.
National Science Foundation, 2023.
- **The Central Problem with Distributed Content.**
Northeastern University, 2023.
DARPA/ISAT Securing the World Computer Workshop, 2020.
- **Teaching Old Protocols New Tricks:
A Measurement-Driven Approach to Improving the Internet.**
University of Pennsylvania, 2018.
Pomona College, 2017.
Columbia University, 2016.
Cornell University, 2016.
Microsoft Research, NYC, 2016.
Microsoft Research, Redmond, 2016.
Northwestern University, 2016.
Rutgers University, 2016.
University of California, Berkeley, 2016.
University of Utah, 2016.
- **Towards Impactful Internet Measurement.**
Keynote, IRTF/ISOC Workshop on Research and Applications of Internet Measurements, 2015.
- **PEERING: An AS for Us.**
National Institute of Standards and Technology, 2015.
University of Washington, 2014.
- **Sibyl: A Practical Internet Route Oracle.**
Microsoft Research, 2015.
Princeton University, 2015.
- **Making the Internet Fast.**
University of California, Riverside, 2014.
University of California, San Diego, 2014.
- **How I Will Measure Routes in 2014.**
Workshop on Critical Internet Infrastructure, Dagstuhl, Germany, 2013.

- **Reverse Traceroute.**
Google, 2022.
Microsoft, 2014.
EdgeCast, 2013.
Williams College, 25th Anniversary of Computer Science Department, 2013.
- **Improving the Internet's Performance and Availability.**
Montana State University, 2013.
AT&T Research, 2011.
Boston University, 2011.
Microsoft Research, 2011.
New York University, 2011.
Northeastern University, 2011.
Ohio State University, 2011.
University of Southern California, 2011.
- **LIFEGUARD: Practical Repair of Persistent Route Failures.**
Google, 2012.
- **Reverse Traceroute & Hubble: Systems to Troubleshoot Internet Performance and Reliability.**
Laboratoire d'informatique de Paris 6, University Pierre et Marie Curie, 2009.
University of Massachusetts, 2008.
- **How I Learned to Stop Worrying and Love to Spoof.**
ISMA AIMS 2009 (Internet Statistics and Metrics Analysis Workshop on Active Internet Measurements).
- **Measuring Reverse Paths.**
10th CAIDA-WIDE Workshop, 2008.
- **Hubble: Monitoring Internet Reachability in Real Time.**
RIPE 56, 2008 (Réseaux IP Européens Network Operator Conference).
10th CAIDA-WIDE Workshop, 2008.
Gnomedex 2008 (Technology Conference).

Former Postdocs

Arpit Gupta: 2018-2019. First job: Assistant Professor, UC Santa Barbara.

Kévin Vermeulen: 2020-2021. First job: Researcher, The French National Centre for Scientific Research (CNRS).

Graduated Ph.D. Students

Tobias Flach (co-advised with Ramesh Govindan), 2016. First job: Google.

Dissertation: *Detecting and Mitigating Root Causes for Slow Web Transfers*

Chapters of dissertation published at SIGCOMM 2016, PAM 2014, and SIGCOMM 2013

Kyriakos Zarifis (co-advised with Ramesh Govindan), 2018. First job: Boingo Wireless.

Dissertation: *Making Web Transfers More Efficient*

Chapters of dissertation published at PAM 2016 and PAM 2014

Matt Calder, 2019. First job: Microsoft Azure.

Dissertation: *Measuring the Impact of CDN Design Decisions*

Chapters of dissertation published at NSDI 2018, IMC 2015, and IMC 2013.

Todd Arnold, 2020. First job: Assistant Prof. & Lead Research Scientist, U.S. Military Academy.

Dissertation: *Understanding Cloud Network Performance*

Chapters of dissertation published at IMC 2020, INFOCOM 2020, CoNEXT 2019, and HotNets 2019.

Brandon Schlinker, 2021. First job: Senior Research Scientist, Facebook.
Dissertation: *Improving User Experience on Today's Internet via Innovation in Routing*
Chapters of dissertation published at IMC 2019, CoNEXT 2019, SIGCOMM 2017,
IMC 2015, and HotNets 2014.

Chris Hodsdon (co-advised with Wyatt Lloyd), 2023. First job: Databricks.

Theano Stavrinou (co-advised with Wyatt Lloyd), 2023. First job: Postdoc, Univ. of Washington.

Tom Koch, 2024. First job: Google.

Dissertation: *Optimizing Interdomain Routing for the Services of Today and Tomorrow*
Chapters of dissertation published at NSDI 2018, IMC 2015, and IMC 2013.

Current Ph.D. Students

Loqman Salamatian (Columbia CS, co-advised with Vishal Misra and Dan Rubenstein): started 2020, candidacy exam 2023, dissertation proposal 2024.

Jiangchen Zhu (Columbia CS, co-advised with Matt Calder): started 2020, candidacy exam 2023, dissertation proposal 2025.

Shuyue (Erika) Yu (Columbia CS, co-advised with Gil Zussman): started 2021, candidacy exam 2024, dissertation proposal 2025.

Carson Garland (Columbia EE): started 2024.

Harris Ransom (Columbia EE, co-advised with Gil Zussman): started 2025.

Graduated M.S. Students

Srikanth Nori (USC), 2013. First job: Amazon.

Nitish Krishna (USC), 2014. First job: Juniper Networks.

Christopher Hanford (USC), 2015. First job: Bitglass, Inc.

Mohsin Ali (USC, co-advised with Wyatt Lloyd), 2016. First job: Facebook.

Abhishek Balaji Radhakrishnan (USC), 2016. First job: Cisco.

Aqib Nisar (USC, co-advised with John Heidemann), 2018. First job: NetApp.

Yi-Ching Chiu (USC, co-advised with Ramesh Govindan), 2018. First job: Google.

Alex Stein (Columbia), 2019. First job: ThousandEyes.

Brian Goodchild (Columbia, co-advised with Roxana Geambasu), 2019. First job: Microsoft.

Jia He (Columbia), 2020. Pursuing Ph.D. at Georgia Tech.

Ege Gurmericiler (Columbia), 2020. First job: Two Sigma.

Yifan Liu (Columbia), 2020. First job: Facebook.

Shiv Venkatagiri (Columbia), 2020. First job: Walmart.

Siwei Chen (Columbia), 2020. First job: Amazon.

Weifan Jiang (Columbia), 2021. Pursuing Ph.D. at Harvard.

Tao Luo (Columbia), 2021. Pursuing Ph.D. at University of Pennsylvania.

Liane Young (Columbia), 2021. Job: Viasat Inc.

Josh Haskins (Columbia), 2021-2023.

Previous Undergraduate Students

Justine Sherry (University of Washington). Winner CRA Outstanding Researcher Award 2010.
Ph.D., Berkeley. First job: Assistant Professor, CMU.

Colin Scott (University of Washington). Honorable Mention CRA Outstanding Researcher 2011.
Ph.D., Berkeley. First job: Microsoft Research India.

Ashoat Tevosyan (University of Washington). First job: Facebook.

Mary Pimenova (University of Washington). First job: Facebook.
 Brian Goodchild (Rutgers, Camden). M.S. at Columbia. First job: Microsoft.
 Georgia Essig (Columbia). Columbia College Valedictorian 2020. First job: Google.
 Kevin Lee (Northeastern). First job: Capital One.
 Brianna Barrow (Columbia). Pursuing Ph.D. at Rice University.
 Elisa Luo (Columbia). Pursuing Ph.D. at UCSD.

Graduated High School Students

Adriana Beltran Andrade, 2016-2019. Completed bachelors at Smith College.

Ph.D. Dissertation Committees

Zhen Guo Wu (Columbia EE), 2025. Advisor: Keren Bergman.
 Dissertation: *Flexible Photonic Accelerated High Performance Compute System*
 Niloofar Bayat (Columbia CS), 2022. Advisors: Vishal Misra and Dan Rubenstein.
 Dissertation: *Internet Subscription Plans: Thresholding, Throttling, and Zero-Rating*
 Craig Gutterman (Columbia EE), 2020. Advisor: Gil Zussman.
 Dissertation: *Learning for Network Applications and Control*
 Kunal Mahajan (Columbia CS), 2020. Advisors: Vishal Misra and Dan Rubenstein.
 Dissertation: *Next Generation Cloud Computing Architectures, Performance, and Pricing*
 Yiwen Shen (Columbia EE), 2020. Advisor: Keren Bergman.
 Dissertation: *Reconfigurable Optically Interconnected Systems*
 Da Tong (USC EE), 2016. Advisor: Viktor K. Prasanna.
 Dissertation: *High Performance Network Traffic Measurement and Analysis*
 Marcel Flores (Northwestern CS), 2016. Advisor: Aleksandar Kuzmanovic.
 Dissertation: *Improving Existing Protocols by Enabling Added Communication*
 Xun Fan (USC CS), 2015. Advisor: John Heidemann.
 Dissertation: *Efficient service enumeration through smart selection of measurements*
 Lin Quan (USC CS), 2013. Advisor: John Heidemann.
 Dissertation: *Learning about the Internet through efficient sampling and aggregation*

Ph.D. Qualifying and Proposal Committees (excluding overlap with Dissertation Committees above)

Kahlil Dozier (Columbia CS): qualifying exam 2024. Advisor: Dan Rubenstein
 Haoyu Li (Columbia CS): qualifying exam 2023. Advisor: Asaf Cidon.
 Niloofar Bayat (Columbia CS): dissertation proposal 2021. Advisors: Vishal Misra and Dan Rubenstein.
 Lan Wei (USC CS): qualifying exam 2017, dissertation proposal 2020. Advisor: John Heidemann.
 Min Yee Teh (Columbia EE): dissertation proposal 2020. Advisor: Keren Bergman.
 Liang Zhu (USC CS): dissertation proposal 2017. Advisor: John Heidemann.
 Zahaib Akhtar (USC CS): qualifying exam 2017. Advisor: Ramesh Govindan.
 Rui Miao (USC CS): qualifying exam 2017. Advisor: Minlan Yu.
 Khiem Ngo (USC CS): qualifying exam 2017. Advisor: Wyatt Lloyd.
 Sumita Barahmand (USC CS): dissertation proposal 2013. Advisor: Shahram Ghandeharizadeh.
 Sangwon Lee (USC CS): dissertation proposal 2013. Advisors: Murali Annavaram and Bhaskar Krishnamachari.
 Yanting Wu (USC EE): dissertation proposal 2013. Advisor: Bhaskar Krishnamachari.

Teaching

Spring 2025 (Columbia)	Undergrad Course: CE project for ENGI E1102: The Art of Engineering. (30 students)
Fall 2024 (Columbia)	Undergrad/M.S. Course: CSEE4119 Computer Networks [2 sections]
Fall 2023 (Columbia)	M.S. Course: ELEN6775/COMS6998 Advanced Computer Networks • M.S./Ph.D. Course: ELEN6774/COMS6998 Internet Measurement
Fall 2022 (Columbia)	Undergrad/M.S. Course: CSEE4119 Computer Networks [2 sections]
Fall 2021 (Columbia)	M.S./Ph.D. Course: EECS6890 Advanced Computer Networks (instructor rating 4.13/5, course rating 3.69/5, 30 students)
Fall 2020 (Columbia)	Undergrad/M.S. Course: CSEE4119 Computer Networks • M.S./Ph.D. Course: EECS6890 Delivering Modern Services on the Internet
Fall 2019 (Columbia)	Undergrad/M.S. Course: CSEE4119 Computer Networks (instructor rating 4.06/5, course rating 3.87/5, 107 students) • M.S./Ph.D. Course: ELEN6774 Internet Measurement (instructor rating 4.80/5, course rating 4.00/5, 7 students)
Fall 2018 (Columbia)	Undergrad/M.S. Course: CSEE4119 Computer Networks (instructor rating 4.28/5, course rating 4.12/5, 95 students) • M.S./Ph.D. Course: ELEN6775 Delivering Modern Services on the Internet (instructor rating 4.75/5, course rating 4.75/5, 5 students)
Fall 2017 (Columbia)	Undergrad/M.S. Course: CSEE4119 Computer Networks (instructor rating 3.82/5, course rating 3.56/5, 89 students)
Fall 2016 (USC)	M.S. Course: CSCI551 Computer Networking (instructor rating 4.67/5, course rating 4.67/5, 17 students) • Ph.D. Course: CSCI651 Advanced Computer Networking (instructor rating 4.33/5, course rating 4.00/5, 7 students)
Fall 2014 (USC)	Ph.D. Seminar: CSCI590 Reading, Writing, and Reviewing Papers (instructor rating 4.50/5, course rating 4.00/5, 30 students) • M.S. Course: CSCI551 Computer Networking (instructor rating 4.80/5, 13 students) • Ph.D. Course: CSCI651 Advanced Computer Networking (instructor rating 4.13/5, course rating 4.00/5, 20 students)
Fall 2013 (USC)	M.S./Ph.D. Course: CSCI694a Delivering Services on Today's Internet (instructor rating 4.75/5, course rating 4.63/5, 8 students) • M.S. Course: CSCI551 Computer Networking (instructor rating 4.46/5, course rating 4.21/5, 38 students) • NSDI Shadow Program Committee, informal seminar
Spring 2013 (USC)	Ph.D. Course: CSCI599 Internet Measurement (instructor rating 4.75/5, course rating 4.67/5, 12 students)
Fall 2012 (USC)	NSDI Shadow Program Committee, informal seminar

Professional Service

Technical Program Committee Co-Chair: IMC 2018

Technical Program Committee Member: SIGCOMM 2014-2016, 2019-2020, 2025 (Expert PC); HotNets 2024; CoNEXT 2024, 2026; IMC 2013, 2015-2018, 2020-2022; ACM/IRTF Applied Networking Research Workshop Review Task Force 2022; NSDI 2013-2015; NSF NeTS Early Career Workshop 2017; PAM 2015; MobiSys 2014 (external review committee); AIMS 2014; SIGCOMM Posters and Demos 2013, 2022-2023; COST TMA 2011

General Co-Chair: HotNets 2014

Topic Preview Lectures Chair: SIGCOMM 2015-2017, 2020

SIGCOMM CARES Committee (SIGCOMM Committee to Aid REporting on discrimination and haraSSment policy violations) 2021-present, Co-Chair 2023-present

CAIDA GMI-BGP Advisory Committee Member: 2022-present

CAIDA FANTAIL Advisory Committee Member: 2020-present

Session Chair: NSF Workshop on Overcoming Measurement Barriers to Internet Research 2021

Co-organizer: BGP hackathon (90 participants from academia, industry, and other institutions)

Shadow PC Co-Chair: IMC 2017 (50+ PC members around the world)

Shadow PC Coordinator: NSDI 2014 (organized 6 shadow PCs around the world)

Mentor, N2Women SIGCOMM 2014, mentoring four junior scholars

Session Chair and Discussion Leader: AIMS 2013

External Reviewer: NSDI 2008-2010, SIGCOMM 2010-2011, IEEE/ACM Transactions on Networking, Computer Networks Journal, ACM SIGCOMM Computer Communications Review

Departmental, School, and University Service

Member, Computer Engineering: 2020-present

Member, Mentoring Committees for 3 Junior Faculty: 2021-present

Member, School Ph.D. Cost Committee: 2022

Member, School DEI Working Group: 2021-2025

Member, Computer Engineering M.S. Admissions Committee: 2020-2025

Chair and Diversity Advocate at Large, Departmental Diversity Committee: 2020-2024

Member, Departmental Faculty Search/Recruitment Committee: 2018-2025
Chair 2024-2025

Member, Departmental Faculty Promotions Committee: 2021-present; Chair, 2024

Member, Departmental Ph.D. Admissions and Recruiting Committee: 2018-2020

Member, Departmental Ph.D. Monitoring Committee: 2017-2018

Organizer, Networking and Systems Talk Series: Fall 2018

Member, Departmental DQE Committee: 2018, 2019

Member, Departmental Ph.D. Fellowship Committee: 2013

Member, Departmental Ph.D. Admissions Committee: 2012, 2013, 2018

Member, Departmental Faculty Evaluation Committee: 2014

Member, Department Systems Hiring Committee: 2016, 2017

Organizer, Departmental Colloquium and Distinguished Lecture Series: 2012-2013

Public Service

Organizer and Moderator, [Net Neutrality Panel](#): December 2017