LISA16 CONFERENCE PROGRAM

WEDNESDAY, DECEMBER 7

Time	Event	Location
7:30 am–5:00 pm	**On-Site Registration and Badge Pickup**	**Grand Ballroom Foyer**
7:30 am–9:00 am	**Continental Breakfast**	**Grand Ballroom Foyer**
9:00 am–9:15 am	**Opening Remarks** LISA16 Co-Chairs: John Arrasjid, Dell EMC, and Matt Simmons, SpaceX	**Constitution Ballroom**
9:15 am–10:30 am	**Keynote Address: "The Evolution of People, Process, and Technology in the Digital Age"** John Roese, Dell EMC EVP and CTO of Cross Product Operations	**Constitution Ballroom**
10:30 am–11:00 am	**Break with Refreshments**	**Grand Ballroom Foyer**

11:00 am–12:30 pm

Constitution Ballroom A	Constitution Ballroom B	Back Bay Ballroom AB	Commonwealth Ballroom	Back Bay Ballroom C	Back Bay Ballroom D
Talks I	**Talks II**	**Talks III**	**Mini Tutorial**	**Mini Tutorial**	**LISA Lab**
UAVs, IoT, and Cybersecurity 11:00 am–11:45 am David Kovar **Stop Lying to Your Customers—the Cloud Is Neither Private or Secure: What Your Customers Need to Do for Privacy and Security, and How You Can Help Them** 11:45 am–12:30 pm James "Brad" Whitehead, Chief Scientist, Formulary	**Building a Billion User Load Balancer** 11:00 am–11:45 am Patrick Shuff, Facebook **Sensu and the Art of Monitoring** 11:45 am–12:30 pm Sean Porter, Sensu	**Modern Cryptography Concepts: Hype or Hope** 11:00 am–11:45 am Radia Perlman, Dell EMC Corporation **Strategic Storytelling** 11:45 am–12:30 pm Jessica Hilt, University of California, San Diego	**Git Crash Course** 11:00 am–12:30 pm Thomas Uphill, Wells Fargo	**How to Virtualize the End-User's Desktop (or How to Play More Warcraft/Halo during the Day)** 11:00 am–12:30 pm Linus Bourque	**Beginning Wireshark** 11:00 am–12:30 pm Brett Thorson, Senior Sales Engineer Mid-Atlantic: Dtex Systems

Time	Event	Location
12:00 pm–7:00 pm	**LISA16 Expo**	**Grand Ballroom Complex**
12:30 pm–2:00 pm	**Conference Lunch in the Expo**	**Grand Ballroom Complex**

2:00 pm–3:30 pm

Constitution Ballroom A	Constitution Ballroom B	Back Bay Ballroom AB	Commonwealth Ballroom	Back Bay Ballroom C	Back Bay Ballroom D
Talks I	**Talks II**	**Talks III**	**Mini Tutorial**	**Mini Tutorial**	**LISA Lab**
How Should We Ops? 2:00 pm–2:45 pm Courtney Eckhardt, Heroku **SRE at a Start-Up: Lessons from LinkedIn** 2:45 pm–3:30 pm Craig Sebenik, Matterport	**Capturing All of Stack Overflow's Logs** 2:00 pm–2:45 pm George Beech, Stack Overflow **The Hard Truths about Microservices and Software Delivery** 2:45 pm–3:30 pm Anders Wallgren, Chief Technology Officer at Electric Cloud, and Avantika Mathur, Professional Services Engineer at Electric Cloud	**Traps and Cookies: A Mystery Package from Your Former Self** 2:00 pm–2:45 pm Tanya Reilly, Google **How to Succeed in Ops without Really Trying** 2:45 pm–3:30 pm Chastity Blackwell, Yelp	**S, M, and L Logstash Architectures: The Foundations** 2:00 pm–3:30 pm Jamie Riedesel, HelloSign	**Mini Tutorial: Quick Start to Pacemaker HA** 2:00 pm–3:30 pm Mike Diehn	**Core Skills: Scripting for Automation** 2:00 pm–5:30 pm Mike Ciavarella, Coffee Bean Software Pty Ltd

Time	Event	Location
3:30 pm–4:00 pm	**Break with Refreshments in the Expo**	**Grand Ballroom Complex**

WEDNESDAY, DECEMBER 7 (continued)

4:00 pm–5:30 pm

Constitution Ballroom A	Constitution Ballroom B	Back Bay Ballroom AB	Commonwealth Ballroom	Back Bay Ballroom C	Back Bay Ballroom D
Talks I	**Talks II**	**Talks III**	**Mini Tutorial**	**Mini Tutorial**	**LISA Lab**
Behind Closed Doors: Managing Passwords in a Dangerous World 4:00 pm–4:45 pm Noah Kantrowitz	**An Architect's Guide to Designing Risk** 4:00 pm–4:45 pm Daemon Behr, Industry professional	**Don't Burn Out or Fade Away: Conquering Occupational Burnout** 4:00 pm–4:45 pm Avleen Vig, Etsy	**S, M, and L Logstash Architectures: Reaching For the Sky** 4:00 pm–5:30 pm Jamie Riedesel, HelloSign	**Release Pipelines in Microsoft Ecosystems** 4:00 pm–5:30 pm Warren Frame, Harvard University, and Michael Green, Microsoft	**Scripting for Automation** (continued) 2:00 pm–5:30 pm Mike Ciavarella, Coffee Bean Software Pty Ltd
The Road to Mordor: Information Security Issues and Your Open Source Project 4:45 pm–5:30 pm Amye Scavarda, Red Hat	**Engineer the Future** 4:45 pm–5:30 pm Jinnah Hosein, SpaceX	**You Can't Build a Team in the Thunderdome: Better Hiring through Empathy** 4:45 pm–5:30 pm Ryan McKern, Puppet			

5:30 pm–7:00 pm	**Expo Happy Hour,** *Sponsored by Apple Inc.*	**Grand Ballroom Complex**
7:00 pm–11:00 pm	**Birds-of-a-Feather Sessions (BoFs)**	**See BoFs Board in registration area**

THURSDAY, DECEMBER 8

7:30 am–5:00 pm	**On-Site Registration and Badge Pickup**	**Grand Ballroom Foyer**
7:30 am–9:00 am	**Continental Breakfast**	**Grand Ballroom Foyer**

9:00 am–10:30 am

Keynote Address: "The Future of Engineering Tools and Techniques in Operations"
Mitchell Hashimoto, HashiCorp
Constitution Ballroom

10:00 am–2:00 pm	**LISA16 Expo**	**Grand Ballroom Complex**
10:30 am–11:00 am	**Break with Refreshments in the Expo**	**Grand Ballroom Complex**

11:00 am–12:30 pm

Constitution Ballroom A	Constitution Ballroom B	Back Bay Ballroom AB	Commonwealth Ballroom	Back Bay Ballroom C	Back Bay Ballroom D	Republic B
Talks I	**Talks II**	**Talks III**	**Mini Tutorial**	**Mini Tutorial**	**LISA Lab**	**Vendor Talks**
Passing the Console: Fostering the Next Generation of Ops Professionals 11:00 am–11:45 am Alice Goldfuss, New Relic	**TTL of a Penetration** 11:00 am–11:45 am Branson Matheson, Cisco Systems, Inc.	**Data Has Always Been Big** 11:00 am–11:45 am Kyle Erf, Software Engineer, MongoDB, Inc.	**Interfacing with Humans: How to Manage in Prod Ops** 11:00 am–12:30 pm Connie-Lynne Villani, Grilled Cheese Invitational	**Writing and Consuming REST Services** 11:00 am–12:30 pm Chris St. Pierre, Cisco Systems	**Advanced Wireshark** 11:00 am–12:30 pm Brett Thorson, Senior Sales Engineer Mid-Atlantic: Dtex Systems	**NetOps Meets DevOps: Network Infrastructure Management Automation** 11:00 am–11:45 am Marcio Saito, CTO, Opengear
Heresy in the Church of Docker 11:45 am–12:30 pm Corey Quinn, The Quinn Advisory Group	**What I Learned from Science-ing Four Years of DevOps** 11:45 am–12:30 pm Nicole Forsgren, DORA	**SRE: It's People All the Way Down** 11:45 am–12:30 pm Courtney Eckhardt and Lex Neva, Heroku				**The Paradox of Software Craftsmanship** 11:45 am–12:30 pm Theo Schlossnagle, CIrconus

LISA16 CONFERENCE PROGRAM

THURSDAY, DECEMBER 8

12:30 pm–2:00 pm	Conference Lunch in the Expo	Grand Ballroom Complex

2:00 pm–3:30 pm

Constitution Ballroom A	Constitution Ballroom B	Back Bay Ballroom AB	Commonwealth Ballroom	Back Bay Ballroom C	Back Bay Ballroom D
Talks I	**Talks II**	**Talks III**	**Mini Tutorial**	**Mini Tutorial**	**LISA Lab**
Stealing the Best Ideas from DevOps: A Guide for Sysadmins without Developers 2:00 pm–2:45 pm Thomas Limoncelli, StackOverflow.com, and Christina Hogan, Independent Consultant **Code Review for Operations** 2:45 pm–3:30 pm Spencer Krum, IBM and OpenStack	**Dyn, DDoS, and the DNS** 2:00 pm–2:45 pm Chris Baker, Dyn, Inc. **Linux 4.X Tracing Tools: Using BPF Superpowers** 2:45 pm–3:30 pm Brendan Gregg, Netflix	**Why We Can't Have Nice Things: A Tale of Woe and a Hope for the Future** 2:00 pm–2:45 pm Pete Cheslock, Threat Stack **Hard Knocks and Soft Spots: A Docker-Centric CI/CD Pipeline at VMware** 2:45 pm–3:30 pm Fabio Rapposelli, Staff Engineer 2 at VMware, and Ivan Porto Carrero, Staff Engineer at VMware	**Living in a Post-Post-Mortem World: Techniques for Incident Analysis** 2:00 pm–3:30 pm Connie-Lynne Villani, Grilled Cheese Invitational	**The 90-Minute Cassandra DBA** 2:00 pm–3:30 pm Chris McEniry, Sony Interactive Entertainment	**Writing (Micro) Services with Flask** 2:00 pm–5:30 pm Chris St. Pierre, Cisco Systems, Inc.

3:30 pm–4:00 pm	Break with Refreshments	Grand Ballroom Foyer

4:00 pm–5:30 pm

Constitution Ballroom A	Constitution Ballroom B	Back Bay Ballroom AB	Commonwealth Ballroom	Back Bay Ballroom C	Back Bay Ballroom D
Talks I	**Talks II**	**Talks III**	**Mini Tutorial**	**Mini Tutorial**	**Mini Tutorial**
Implementing DevOps in a Regulated Traditionally Waterfall Environment 4:00 pm–4:45 pm Jason Victor and Peter Lega, Merck and Co., Inc. **Catch Fire and Halt: Fire in the Datacenter** 4:45 pm–5:30 pm Jon Kuroda, University of California, Berkeley	**The 7 Righteous Fights** 4:00 pm–4:45 pm Heidi Waterhouse, Documentation Mercenary **Intelligent Anomaly Detection in Heterogeneous Internet Services** 4:45 pm–5:30 pm Dong Wang, Baidu Inc.	**No User Left Behind: Making Sure Customers Reach Your Service** 4:00 pm–4:45 pm Mohit Suley, Software Engineer in the Live Site Engineering team @ Bing **From BOFH to Just Another Person in the Standup, Surviving the Move to DevOps** 4:45 pm–5:30 pm Jamie Riedesel, HelloSign	**Managing Dispersed Teams** 4:00 pm–5:30 pm Scott Cromar, Senior Manager, Convergys	**Making Developers More Productive with Vagrant, VirtualBox, and Docker** Configure 4:00 pm–5:30 pm John J. Rofrano, IBM T.J. Watson Research Center	**Writing (Micro) Services with Flask** (continued) 2:00 pm–5:30 pm Chris St. Pierre, Cisco Systems, Inc.

6:30 pm–8:30 pm	LISA16 Conference Reception	Grand Ballroom Complex
8:30 pm–11:30 pm	Birds-of-a-Feather Sessions (BoFs)	See BoFs Board in registration area

LISA16 CONFERENCE PROGRAM

FRIDAY, DECEMBER 9

8:00 am–12:00 pm	**On-Site Registration and Badge Pickup**	**Grand Ballroom Foyer**

8:00 am–9:00 am	**Continental Breakfast**	**Grand Ballroom Foyer**

9:00 am–10:30 am

Keynote Address: "Identifying Emergent Behaviors in Complex Systems"   **Constitution Ballroom**
Jane Adams, Two Sigma

10:30 am–11:00 am	**Break with Refreshments**	**Grand Ballroom Foyer**

11:00 am–12:30 pm

Constitution Ballroom A	Constitution Ballroom B	Back Bay Ballroom AB	Commonwealth Ballroom	Back Bay Ballroom C
Talks I	**Talks II**	**Talks III**	**Mini Tutorial**	**Mini Tutorial**
Lost Treasures of the Ancient World 11:00 am–11:45 am David Blank-Edelman, Apcera	**The Devopsification of Windows Server 2016** 11:00 am–11:45 am Jeffrey Snover, Microsoft	**Everything Is Terrible, and We're to Blame** 11:00 am–11:45 am Jim Perrin, The CentOS Project	**Security Compliance for Containers and VMs with OpenSCAP** 11:00 am–12:30 pm Martin Preisler, Red Hat	**Machine Learning for SREs** 11:00 am–12:30 pm Matt Harrison, MetaSnake
Zero Trust Networks: Building Systems in Untrusted Networks 11:45 am–12:30 pm Evan Gilman, PagerDuty, Inc.	**Consul as a Monitoring Solution** 11:45 am–12:30 pm Seth Vargo, Director of Evangelism, HashiCorp	**Using Open Source Telemetry to Drive Change in Management Environments** 11:45 am–12:30 pm Susan Young, Dell EMC Corporation, Office of the CTO		

12:30 pm–2:00 pm	**Conference Luncheon**	**Grand Ballroom**

2:00 pm–3:30 pm

Constitution Ballroom A	Constitution Ballroom B	Back Bay Ballroom AB	Commonwealth Ballroom	Back Bay Ballroom C
Talks I	**Talks II**	**Talks III**	**Mini Tutorial**	**Mini Tutorial**
Network-Based LUKS Volume Decryption with Tang 2:00 pm–2:45 pm Brian J. Atkisson, Red Hat	**An Admin's Guide to Data Visualization** 2:00 pm–2:45 pm Caskey L. Dickson, Microsoft Corporation	**Unik: A Platform for Automating Unikernels Compilation and Deployment** 2:00 pm–2:45 pm Idit Levine, Dell EMC Corporation	**Culture-Driven Incident Response** 2:00 pm–3:30 pm Dave Nicholson, Atlassian SRE	**Running with MongoDB: Build Your Cluster Like a Champ!** 2:00 pm–3:30 pm Nuri Halperin, Plus N Consulting, Inc.
Sysadmins Ask the Managers 2:45 pm–3:30 pm Andy Seely, Science Applications International Corporation	**Interplanetary DevOps at NASA JPL** 2:45 pm–3:30 pm Dan Isla, NASA Jet Propulsion Laboratory	**Failure: Why It Happens & How to Benefit from It** 2:45 pm–3:30 pm VM (Vicky) Brasseur, Hewlett Packard Enterprise		

3:30 pm–4:00 pm	**Break with Refreshments**	**Grand Ballroom Foyer**

4:00 pm–5:30 pm

Closing Plenary: "SRE in the Small and in the Large"   **Constitution Ballroom**
Niall Murphy and Todd Underwood, Google