

Program View for Attendees in the Americas

The SREcon21 conference program is divided into two sections to serve attendees in various time zones globally. All registered attendees receive access to all sessions regardless of their locations.

Tuesday, October 12 (Day 1 - EMEA/Americas East)

PDT	EDT	Track 1	Track 2 (Core Principles)
7:00 am-7:15 am	10:00 am-10:15 am	Opening Remarks Program Co-Chairs: Frances Rees, Google, and Vanessa Yiu, Goldman Sachs	
7:15 am-8:00 am	10:15 am-11:00 am	Plenary Session "Don't Follow Leaders" or "All Models Are Wrong (And So Am I)" Niall Murphy, RelyAbility	
8:00 am-8:30 am	11:00 am-11:30 am	10 Lessons Learned in 10 Years of SRE Andrea Spadaccini, Microsoft Azure	What's the Cost of a Millisecond? Avishai Ish-Shalom, ScyllaDB
8:30 am-9:00 am	11:30 am-12:00 pm	Let the Chaos Begin—SRE Chaos Engineering Meets Cybersecurity Francesco Sbaraglia and Adriana Petrich, Accenture	Spike Detection in Alert Correlation at LinkedIn Nishant Singh, LinkedIn
9:00 am-9:30 am	12:00 pm-12:30 pm	Break	
9:30 am-9:45 am	12:30 pm-12:45 pm	What To Do When SRE is Just a New Job Title? Benjamin Bütikofer, Ricardo.ch	Sparking Joy for Engineers with Observability Zac Delagrange, Area 1 Security
9:45 am-10:15 am	12:45 pm-1:15 pm	Capacity Management for Fun & Profit Aly Fulton, Elastic	Latency Distributions and Micro-Benchmarking to Identify and Characterize Kernel Hotspots Danny Chen, Bloomberg LP
10:15 am-10:45 am	1:15 pm-1:45 pm	A Political Scientist's View on Site Reliability Dr. Michael Krax, Google	When Linux Memory Accounting Goes Wrong Minhaj Ahammed, LinkedIn
10:45 am-11:30 am	1:45 pm-2:30 pm	Panel: Engineering Onboarding Daria Barteneva, Microsoft; Jennifer Petoff, Google; Anne Hamilton, Microsoft; Sandi Friend, LinkedIn; Ilse White, Learnovate	Panel: Observability Daria Barteneva, Microsoft; Liz Fong-Jones, Honeycomb; Gabe Wishnie, Microsoft; Štěpán Davidovič, Google; Richard Waid, LinkedIn; Partha Kanuparth, Facebook

Tuesday, October 12 (Day 1 - APAC/Americas West)

PDT	EDT	Track 1	Track 2 (Core Principles)
6:00 pm-6:15 pm	9:00 pm-9:15 pm	Opening Remarks Program Co-Chairs: Heidi Waterhouse, LaunchDarkly, and Daria Barteneva, Microsoft	
6:15 pm-7:00 pm	9:15 pm-10:00 pm	Plenary Session Rethinking the SDLC Emily Freeman, AWS	
7:00 pm-7:30 pm	10:00 pm-10:30 pm	Elephant in the Blameless War Room—Accountability Christina Tan and Emily Arnott, Blameless	Take Me Down to the Paradise City Where the Metric Is Green and Traces Are Pretty Ricardo Ferreira, Elastic
7:30 pm-8:00 pm	10:30 pm-11:00 pm	How LinkedIn Performs Maintenances at Scale Akash Vacher, LinkedIn	Need for SPEED: Site Performance Efficiency, Evaluation and Decision Kingsum Chow, Alibaba, and Zhihao Chang, Zhejiang University
8:00 pm-8:30 pm	11:00 pm-11:30 pm	Break	
8:30 pm-9:00 pm	11:30 pm-12:00 am	SLX: An Extended SLO Framework to Expedite Incident Recovery Qian Ding and Xuan Zhang, Ant Group	MySQL and InnoDB Performance for the Rest of Us Shaun O'Keefe
9:00 pm-9:15 pm	12:00 am-12:15 am	Watching the Watchers: Generating Absent Alerts for Prometheus Nick Spain, Stile Education	Cache Strategies with Best Practices Tao Cai, LinkedIn
9:15 pm-9:30 pm	12:15 am-12:30 am	A Principled Approach to Monitoring Streaming Data Infrastructure at Scale Eric Schow and Praveen Yedidi, CrowdStrike	
9:30 pm-10:00 pm	12:30 am-1:00 am	Let's Bring System Dynamics Back to CS! Marianne Bellotti, Rebellion Defense	Trustworthy Graceful Degradation: Fault Tolerance across Service Boundaries Daniel Rodgers-Pryor, Stile Education
10:00 pm-10:30 pm	1:00 am-1:30 am	From 15,000 Database Connections to under 100—A Tech Debt Tale Sunny Beatteay, DigitalOcean	Optimizing Cost and Performance with Arm64 Liz Fong-Jones, honeycomb.io

Wednesday, October 13 (Day 2 – EMEA/Americas East)

PDT	EDT	Track 1	Track 2 (OpML)
7:00 am–7:55 am	10:00 am–10:55 am	Plenary Session DevOps Ten Years After: Review of a Failure with John Allspaw and Paul Hammond Thomas Depierre, Liveware Problems; John Allspaw, Adaptive Capacity Labs; Paul Hammond	
7:55 am–8:10 am	10:55 am–11:10 am	Grand National 2021: Managing Extreme Online Demand at William Hill Matt Berridge and Josh Allenby, William Hill	
8:10 am–8:40 am	11:10 am–11:40 am	Microservices above the Cloud—Designing the International Space Station for Reliability Robert Barron, IBM	
8:40 am–9:05 am	11:40 am–12:05 pm	Horizontal Data Freshness Monitoring in Complex Pipelines Alexey Skorikov, Google	
9:05 am–9:30 am	12:05 pm–12:30 pm	Break	
9:30 am–9:45 am	12:30 pm–12:45 pm	How We Built Out Our SRE Department to Support over 100 Million Users for the World's 3rd Biggest Mobile Marketplace Sinéad O'Reilly, Aspiegel SE	Model Monitoring: Detecting and Analyzing Data Issues Dmitri Melikyan, Graphsignal, Inc.
9:45 am–10:00 am	12:45 pm–1:00 pm		Leveraging ML to Detect Application Hotspots [at scale, of course!] Sanket Patel, LinkedIn
10:00 am–10:30 am	1:00 pm–1:30 pm	You've Lost That Process Feeling: Some Lessons from Resilience Engineering David D. Woods, Ohio State University and Adaptive Capacity Labs; Laura Nolan, Slack	Demystifying Machine Learning in Production: Reasoning about a Large-Scale ML Platform Mary McGlohon, Google
10:30 am–10:45 am	1:30 pm–1:45 pm	Scaling for a Pandemic: How We Keep Ahead of Demand for Google Meet during COVID-19 Samantha Schaevitz, Google	Designing an Autonomous Workbench for Data Science on AWS Dipen Chawla, Episource LLC
10:45 am–11:00 am	1:45 pm–2:00 pm	Ceci N'est Pas Un CPU Load Thomas Depierre, Liveware Problems	Panel: OpML Todd Underwood, Google; Josh Hartman, LinkedIn; Zhangwei Xu, Azure; Nisha Talagala, Pyxeda AI
11:00 am–11:30 am	2:00 pm–2:30 pm	What If the Promise of AIOps Was True? Niall Murphy, RelyAbility	

Wednesday, October 13 (Day 2 – APAC/Americas West)

PDT	EDT	Track 1	Track 2 (OpML)
6:00 pm–6:45 pm	9:00 pm–9:45 pm	Plenary Session SRE for ML: The First 10 Years and the Next 10 Todd Underwood, Google	
6:45 pm–7:00 pm	9:45 pm–10:00 pm	When Systems Flatline—Enhancing Incident Response with Learnings from the Medical Field Sarah Butt, Salesforce	Hacking ML into Your Organization Cathy Chen, Capriole Consulting Inc, Google LLC
7:00 pm–7:30 pm	10:00 pm–10:30 pm	Evolution of Incident Management at Slack D. Brent Chapman, Slack	Automating Performance Tuning with Machine Learning Stefano Doni, Akamas
7:30 pm–8:00 pm	10:30 pm–11:00 pm	Improving Observability in Your Observability: Simple Tips for SREs Dan Shoop	Nothing to Recommend It: An Interactive ML Outage Fable Todd Underwood, Google
8:00 pm–8:30 pm	11:00 pm–11:30 pm	Break	
8:30 pm–9:00 pm	11:30 pm–12:00 am	Practical TLS Advice for Large Infrastructure Mark Hahn, Ciber Global; Ted Hahn, TCB Technologies	
9:00 pm–9:30 pm	12:00 am–12:30 am	User Uptime in Practice Anika Mukherji, Pinterest	
9:30 pm–10:00 pm	12:30 am–1:00 am	Learning More from Complex Systems Andrew Hatch, LinkedIn	
10:00 pm–10:30 pm	1:00 am–1:30 am	Of Mice & Elephants Koon Seng Lim and Sandeep Hooda, DBS	

Thursday, October 14 (Day 3 – EMEA/Americas East)

PDT	EDT	
7:00 am–7:30 am	10:00 am–10:30 am	Lessons Learned Using the Operator Pattern to Build a Kubernetes Platform Pavlos Ratis, Red Hat
7:30 am–8:00 am	10:30 am–11:00 am	Nine Questions to Build Great Infrastructure Automation Pipelines Rob Hirschfeld, RackN
8:00 am–8:30 am	11:00 am–11:30 am	Hard Problems We Handle in Incidents but Aren't Recognized John Allspaw, Adaptive Capacity Labs
8:30 am–9:00 am	11:30 am–12:00 pm	Experiments for SRE Debbie Ma, Google LLC
9:00 am–9:30 am	12:00 pm–12:30 pm	Break
9:30 am–10:00 am	12:30 pm–1:00 pm	Reliable Data Processing with Minimal Toil Pieter Coucke, Google; Julia Lee, Slack
10:00 am–10:15 am	1:00 pm–1:15 pm	SRE "Power Words"—The Lexicon of SRE as an Industry Dave O'Connor, Elastic
10:15 am–10:30 am	1:15 pm–1:30 pm	How Our SREs Safeguard Nanosecond Performance—at Scale—in an Environment Built to Fail Jillian Hawker, Optiver
10:30 am–11:15 am	1:30 pm–2:15 pm	Panel: Unsolved Problems in SRE Kurt Andersen, Blameless; Niall Murphy, RelyAbility; Narayan Desai, Google; Laura Nolan, Slack; Xiao Li, JP Morgan Chase; Sandhya Ramu, LinkedIn
11:15 am–11:30 am	2:15 pm–2:30 pm	Closing Remarks Program Co-Chairs: Frances Rees, Google, and Vanessa Yiu, Goldman Sachs

Thursday, October 14 (Day 3 – APAC/Americas West)

PDT	EDT	
6:00 pm–6:45 pm	9:00 pm–9:45 pm	Plenary Session Beyond Goldilocks Reliability Narayan Desai, Google
6:45 pm–7:15 pm	9:45 pm–10:15 pm	A Retrospective: Five Years Later, Was Chaos Engineering Worth It? Mikolaj Pawlikowski and Sachin Kamboj, Bloomberg
7:15 pm–7:45 pm	10:15 pm–10:45 pm	The Origins of USAA's Postmortem of the Week Adam Newman, USAA
7:45 pm–8:15 pm	10:45 pm–11:15 pm	Break
8:15 pm–8:45 pm	11:15 pm–11:45 pm	Cache for Cash—Speeding up Production with Kafka and MySQL Binlog Barak Luzon, Taboola
8:45 pm–9:15 pm	11:45 pm–12:15 am	Taking Control of Metrics Growth and Cardinality: Tips for Maximizing Your Observability Function Rob Skillington, Chronosphere
9:15 pm–9:45 pm	12:15 am–12:45 am	Games We Play to Improve Incident Response Effectiveness Austin King, OpsDrill
9:45 pm–10:15 pm	12:45 am–1:15 am	Food for Thought: What Restaurants Can Teach Us About Reliability Alex Hidalgo, Director of Site Reliability Engineering at Nobl9
10:15 pm–10:30 pm	1:15 am–1:30 am	Closing Remarks Program Co-Chairs: Heidi Waterhouse, LaunchDarkly, and Daria Barteneva, Microsoft