



DRAFT AGENDA

Wednesday, March 20, 2019

Morning Opening Session: 8:30AM – 12:30PM

8:30am – 9:00am Welcome

Honorable Bill Dodd, State Senator from California's 3rd Senate District

9:00am – 9:40am How Wildfire Will Shape Our Future

Ed Struzik, Award-winning writer, author of *Firestorm*, fellow at the Institute for Energy and Environmental Policy, Queen's University in Kingston, Canada

9:40am – 10:00am Wildfires and Climate Change in California

David Pierce, Climate Scientist, Scripps Institution of Oceanography

10:00am – 10:40am Opening Panel 1 – Operational Experience Over the Last Two Fire Seasons

Intro remarks: Jeff Johnson, CEO Western Fire Chiefs Association

Moderator: Elizaveta Malashenko, Deputy Executive Director, California Public Utilities Commission

Panel Participants: Chief Thom Porter, Director, California Department of Forestry and Fire Protection
Mark Ghilarducci, Director, California Governor's Office of Emergency Services
Michael Picker, President, California Public Utilities Commission

10:40am – 11:00am Networking Break

11:00am – 12:30pm Opening Panel 2 – Lessons Learned in San Diego

Intro remarks: Caroline Winn, Chief Operating Officer, San Diego Gas and Electric

Moderator: Jessica Block, Researcher, Qualcomm Institute at University of California - San Diego

Panel Participants: *Ron Roberts, San Diego County Board of Supervisors (Retired)*
Tony Mecham, San Diego Unit Chief, CAL FIRE
Brian D'Agostino, Director of Fire Science & Climate Adaptation, San Diego Gas and Electric
Graqaham Kent, Research Geophysicist, University of Nevada – Reno
Louis Fox, President and CEO, Corporation for Network Initiatives in California (CENIC)

12:30pm – 1:40pm Lunch

Breakout Sessions: 1:40 PM – 5:00PM

Track 1: Understanding Wildfire Potential - Forecasting threat and modeling behavior

1:40pm – 2:10pm: Lightning Presentations (15 minutes each)

1. Fire weather forecasting and weather modeling solutions; Scott Capps, Founder and Principal, Atmospheric Data Solutions
2. The California and Nevada Smoke and Air Committee Modelling on Demand for Fire Response; Dave Sapsis, CAL FIRE

2:10pm – 3:10pm – Panel 1A

Forecasting Wildfire Potential – How Do We Estimate Fire Threat Potential? Discussion of Fire Prediction Science and Enabling Technology

Moderator: Tom Rolinski, Fire Weather Meteorologist, Southern California Edison

Panel Participants: Mary Glackin, Director, Science and Forecast Operations, IBM
Steve Vandenberg, Senior Meteorologist, San Diego Gas and Electric
Craig Clements, Associate Professor of Meteorology, San Jose State University
Matt Jolly, United States Forest Service

3:10pm – 3:30pm: Break

3:30pm – 4:00pm: Lightning Presentations (10 minutes each)

1. On demand operational coupled weather and fire modeling, Adam Kochanski, Assistant Research Professor, Atmospheric Sciences, University of Utah
2. Supercomputing applications for fire modeling; Ilkay Altintas, Chief Data Science Officer, San Diego Supercomputer Center, UC San Diego
3. David Buckley, Technosylva

4:00pm – 5:00pm: Panel 1B

Data Driven Fire Modeling - How can we develop fast and reliable fire modeling tools to support all fire departments and emergency responders across the state?

Moderator: Jessica Block, Researcher, Qualcomm Institute at UC San Diego

Panel Participants: Chief Terrazas, Fire Chief, Los Angeles Fire Department
Adam Kochanski, Assistant Research Professor, Atmospheric Sciences, University of Utah
Joaquin Ramirez, Founder, Technosylva
Ilkay Altintas, Chief Data Science Officer, San Diego Supercomputer Center, UC San Diego

Breakout Sessions: 1:40 PM – 5:00PM

Track 2: Where is the fire? Improving situational awareness and alerts

1:40pm – 2:10pm: Lightning Presentations (15 minutes each)

1. Using Satellites and Advanced Analytics to Track Fires; Clyde Wheeler, Applied Scientist, Descartes Labs
2. The Utility Collective: Sharing Data, Algorithms, & Machine Learning Insights; Jeff Pauska, Business Strategy, Hitachi Consulting and Leonard Lee, Founder and COO, Dispatchr

2:10pm – 3:10pm: Panel 2A

Using signals intelligence for wildfire threat detection, analysis, and response

Moderator: TBA –

Panel Participants: Phillip SeLegue, Battalion Chief – Intelligence, Cal FIRE
Brian Marshall, Fire Chief, California Office of Emergency Services
Mahesh Prakash is a Senior Principal Research Scientist at CSIRO Data61
Nicole Hu, CTO, One Concern

3:10pm – 3:30pm: Break

3:30pm – 4:00pm: Lightning Presentations (15 minutes each)

1. Using Data to Inform Operational Decision-Making, Rich Drozen, Operations Chief, CAL FIRE
2. Integration 2.0: Using AI/ML to Save the Whole Community, Vance Taylor Office of AFN, CAL OES

4:00pm – 5:00pm: Panel 2B

Understanding the Situation: Using Technology to Improve Operational Decision-Making and Execute Effective Evacuations. Discuss Needs and Solutions for Making Information Available to First Responders and the Public.

Moderator: Caroline Jacobs-Thomas, Cal OES

Panel Participants: Brian Woodbeck, Deputy Chief, California Governor's Office of Emergency Services
Dave Winnacker, Fire Chief, Moraga-Orinda Fire District
Geoff Berlin, Office of Standard and Effectiveness, U.S. Department of Homeland Security
Kate Dargan, Co-Founder, Intterra

Networking Reception: 5PM - 6:30PM

Thursday, March 21, 2019

Morning Sessions: 8:30AM – 10:30AM

8:30am – 9:00am **Welcome**
TBA

9:00am – 9:30am **Florida: Designing the Grid for Resilience**
Manuel Miranda, Senior Vice President, Power Delivery, Florida Power & Light

9:30am – 10:00am **Australia: Quantifying and managing the bushfire-related risks posed by powerlines**
Simon Dunstall, Research Director, Decision Sciences Program, Data61, the Commonwealth Scientific and Industrial Research Organization (Australia)

10:00am – 10:20am **Texas: Power Line-Caused Wildfire Mitigation**
TBA

10:20am – 10:30am: **Break**

Breakout Sessions: 10:30AM – 2:30PM

Track 3: Turning Data into Information - Best Practices in Data Gathering and Analytics for Utilities

10:30am – 11:00am: Lightning Presentations (15 minutes each)

1. Geo-Intelligence and Asset Integrity; Tony Palazzi, Regional Service Line Manager, Power Americas, FUGRO (Australia)
2. The Future of Aerial Resources; Andrew Mills, President, Erickson Commercial Group

11:00am – 12:00pm: Panel 3A

Aerial Patrols – Best Practices in Data Gathering & Analysis for Utility Vegetation Management and Asset Integrity

Moderator: Mathew Rommel, Commercial Market Leader, US Drone Service, Deloitte

Panelists: Chuck Anderson, Executive Vice President and Chief Strategy Officer, ECI
Jeff Filip, General Manager and Co-Founder, Intelfuse (Australia)
Kerry Fleming, Air Traffic Security, Federal Aviation Administration
Tom Fries, Aviation Services Manager, San Diego Gas & Electric

12:00pm – 1:00pm **Lunch**

1:00pm – 1:30pm Lightning Presentations (15 min each)

1. An Integrated Approach to Wildfire Risk Analytics Using LiDAR, GIS & Structural Modeling; Karamvir Singh, Head of Product & Strategy, Power Lines Pro (Australia)
2. In the Field: Leveraging AI and Big Data Solutions for Risk-Based Asset & Vegetation Management; Dr. San Gunawardana, CEO, Enview

1:30pm – 2:30pm: Panel 3B

Big Data, Advanced Analytics and Machine Learning

Moderator: Dr. San Gunawardana, CEO, Enview

Panelists: Ralph Garvin, Founder and CEO, Dispatchr
Sumeet Singh, VP Wildfire Community Safety Program, Pacific Gas & Electric

Breakout Sessions: 10:30AM – 2:30PM

Track 4: Preventing Ignition from Utility Infrastructure

10:30am – 11:00am: Lightning Presentations (15 minutes each)

1. Using Smart Meter data and analytics to detect live wires down; Jim Cherrie, SCE director of Grid Operations, Southern California Edison
2. TBA

11:00am – 12:00pm: Panel 4A

Identifying issues before ignition occurs – innovation in sensors, early fault detection & infrastructure hardening

Moderator: David Erne, Supervisor, Energy Systems Research Office, California Energy Commission

Panelists: James Keener, CEO, Sentient Energy
Tom Bialek, Lead Engineer, San Diego Gas and Electric
Dr. Alan Wong, CEO, Professor at RMIT University (Australia)

12:00pm – 1:00pm Lunch

1:00pm – 1:30pm: Lightning Presentations (15 min each)

1. Pre-treating utility right-of-ways as to prevent ignitions and lessen damages; Ron Raley and Scott Holmquist, Perimeter Solutions
2. Fighting wildfires with big data and AI – Utility Vegetation Management Application; Dr. Hendrik F. Hamann, Research Manager for Physical Analytics, IBM

1:30pm – 2:30pm: Panel 4B

Rethinking utility vegetation management - building risk-based and performance driven programs

Moderator: Jack McCabe, Vice President & General Manager at Davey Resource Group

Panelists: David Marvin, Ph.D., Co-founder & CEO, SALO
Tom Martin, Managing Director of Product Management, Energy & Utilities, TROVE
John Goodfellow, Principal Consultant, BioCompliance Consulting Inc.
Mike Wilson, Utility Wildfire Mitigation Expert, CAL FIRE

Closing Session: 2:50PM – 4:30PM

2:50pm - 3:10pm Bringing together policy and technology innovation to make our communities more resilient
William Craig Fugate, One Concern, FEMA Administrator (2009–17)

3:10pm - 3:30pm Best Practices in building public-private collaboratives to developed broadly supported solutions
Julie Leimbach, Facilitator and Director, Kearns & West

3:30pm – 4:30pm: Closing Panel: The path forward - incorporating technology innovation into policy
Moderator: Amy Tong, Director of California Department of Technology and State Chief Information Officer (CIO)

Panelists: TBA

Adjournment: 4:30PM – 5:00PM