A G E N D A

CFEE Telecommunications & Technology Conference

Mastering our Domain:
Putting Advanced Technologies to Work for California

June 20-21, 2019
The Ritz Carlton, Lake Tahoe

As the universe of interconnected devices expands and the demand for reliable and fast communications grows, it offers the opportunity for policymakers to convene with senior telecommunications and technology executives, labor and environmental leaders, and consumer and community advocates to assess whether California is sufficiently leveraging advanced technologies to attain state environmental and economic goals.

The annual CFEE Telecommunications & Technology conference will examine how new network deployments – like 5G and 10G – and current technology trends will help California achieve state objectives in climate policy, coping with natural disasters, and keeping financial technology secure. We'll take our usual close look at how consumers are being served during this era of change, and then explore the impact of advanced technologies on our workforce. If machines replace humans as drivers, waiters, and sales clerks, how do we prepare our workforce with New Age work skills and how do we handle workers being transitioned out of their jobs?

THURSDAY, JUNE 20

Ritz Carlton Ballroom

12:00 – 1:00 pm	**Buffet Lunch – Arrivals & Check-In – Ritz Carlton Ballroom Foyer & Terrace**
1:00 – 1:15 pm	**Welcome – Conference Overview and Roundtable Introductions**

- Preview of conference topics, speakers, and goals

Jay Hansen, President & CEO, CFEE

1:15 – 2:45 pm	**Session 1: Full Speed Ahead: 5G, 10G, and the Internet of Things**

We're at the precipice of the widespread rollout of the next generation of broadband telecommunications networks. Significant advances in wireless, cable, and fiber systems will enable the transmission of larger amounts of data, at greater speeds, to more devices, than ever before. This kick off session will examine what's on the horizon in the technology, communications, and Internet space that policymakers should know about.

- What are the capabilities of next gen communications networks like 5G, 10G, Wi-Fi 6, and high-speed fiber connections?

**presenter confirmed*

- What applications are enabled by these new communications networks? How do we provide the right incentives to bring these technologies to California?
- What's the excitement about 5G technology being rolled out by leading wireless providers? Why does it require a network of "small cells" to enable connectivity? What are some of the deployment challenges?
- As new networks are deployed, how is the telecom industry addressing community concerns about infrastructure installation and network access and quality?
- What can we do to ensure that the current Digital Divide between urban and rural communities (as well as intra-urban disparities) are closed? What broadband programs and initiatives are working to this end?
- As we look at 14 million Californians on Medicaid, how can their needs be considered as telemedicine applications and new healthcare technologies are developed? How do you ensure their access to telemedicine applications if they are unhoused, migrant, disabled, or digitally illiterate?

Jeff Campbell, VP, Government Affairs & Technology Policy, Cisco Systems *(5-10 min)*

Rudy Reyes, West Region Vice President and Associate General Counsel, Verizon *(5-10 min)*

Martha Guzman Aceves, Commissioner, California Public Utilities Commission *(5-10 min)*

Adimika Arthur, Executive Director, HealthTech for Medicaid *(5-10 min)*

Roundtable Discussion

2:45 – 4:15 pm	**Session 2: Climate Hacking: Transportation Emission Reduction Opportunities**

If California is to successfully chase down its ambitious climate goals, smart applications of technology will be a central driver in these efforts. The transportation sector, which stubbornly still accounts for 41 percent of state greenhouse gas (GHG) emissions, is overdue for innovations that will accelerate our needed GHG emission reductions. What does the future of transportation in California look like if sector emissions are to be dramatically reduced?

- How are hydrogen vehicles faring in development, how do they help with GHG reductions, and what's inhibiting more widespread adoption?
- What about California's "Green Port," the Port of Long Beach? How is it facilitating the turnover to cleaner fleets and improving efficiency that reduces emissions from idling ships and trucks? What communications platforms are needed to support port-oriented applications?
- What progress have Transportation Network Companies (TNC's) like Lyft and Uber made to transform driver-owned fleets to electric vehicles (EV's)?

- Will micro-mobility (e-bikes and e-scooters) help us achieve macro emission reductions? How can micro-mobility encourage people to get out of their cars and enjoy greater accessibility to public transit?
- For TNCs and micro-mobility companies, to what extent is a robust, reliable, and affordable wireless environment critical to a positive user experience? How does the advent of autonomous vehicles impact the communications needs of mobility companies of the future?

Bill Elrick, Executive Director, California Fuel Cell Partnership *(5-10 min)*

Matt Arms, Acting Director, Environmental Planning, Port of Long Beach *(5-10 min)*

Sam Arons, Director of Sustainability, Lyft *(5-10 min)*

Ryan Rzepecki, Founder & CEO, JUMP Bikes *(5-10 min)*

Roundtable Discussion

4:15 – 4:30 pm	**Break**
4:30 – 6:00 pm	**Session 3: The New Frontline: Risk Management for Extreme Events**

With the growing intensity of wildfires and flooding and the ever present threat of earthquakes, California is uniquely vulnerable to extreme events. Yet with its tech DNA, California is also uniquely capable of mitigating this damage through the use of advanced technologies. How can we use cutting edge tech like remote sensors, big data/advanced analytics and infrastructure hardening to help us forecast natural disasters, identify and address issues before catastrophe strikes, and inform operational decision making?

- Where have advanced technologies been used successfully in California to prevent and manage risks from extreme events?
- How can we sense wildfires and predict their paths and growth rate?
- How is the communications infrastructure enabling these technologies to perform these critical tasks?
- Do we need to extend our communications systems into rural areas to assist in disaster prevention? How do we protect critical communications systems from damage during these extreme events?
- How do we as a state best plan, pay for and rapidly deploy these lifesaving and property preserving technologies? What is the role of private sector investment and our telecom companies?

Pat Mallon, Assistant Director of Public Safety Communications, Cal OES *(5-10 min)*

Louis Fox, President and CEO, CENIC *(5-10 min)*

Ilkay Altintas, Director, WIFIRE *(5-10 min)*

Rick Lyon, AVP – Advanced Technical Support, AT&T Technology Operations *(5-10 min)*

Roundtable Discussion

6:30 pm	**Reception and Dinner**

Reception begins at 6:30pm on the Fireside Terrace

FRIDAY, JUNE 21

Ritz Carlton Ballroom

8:00 – 8:30 am	**Breakfast – Ritz Carlton Ballroom**
8:30 – 10:00 am	**Session 4: Cash in Your Chips: The Rise of a Cashless Society**

A recent survey revealed that only 40 percent of Americans regularly carry cash, opting instead to rely on credit cards, electronic payment systems (i.e. Apple Pay, Google Wallet, Square, Venmo, etc.), and cryptocurrencies (i.e. Bitcoin). There are some that predict that a cashless (perhaps event cardless) economy is not far off as hard currency circulation wanes in favor of more frictionless payment mechanisms. What are the implications of this new cashless economy?

- Are small businesses and customers eager to embrace a cashless economy?
- How might small businesses and customers benefit from this transition? What complications could occur?
- What are the equity considerations of moving away from cash and cards?
- How will this transition exacerbate existing cybersecurity vulnerabilities?
- Beyond changes in the mode of payment, what other innovations can we expect in financial technology?

Dan Swislow, Government Relations and Public Policy Lead, Square *(5-10 min)*

Kelly Ash, Vice President, Government Relations, California Grocers Association *(5-10 min)*

Paul Goodman, Technology Equity Director, The Greenlining Institute *(5-10 min)*

Roundtable Discussion

10:00 – 10:15am	**Break**
10:15 – 11:45am	**Session 5: A Just Transition: Developing the Workforce for the Gig Economy**

The "Gig Economy" is transforming large segments of our workforce as some jobs become obsolete, new types of work emerge, and the nature of labor and company relations change altogether. How do we develop the workforce that will build, shape and maintain the universe of interconnected machines?

- What jobs will be needed in the Gig Economy?
- Is California's K-12 and community college curriculum, as currently designed, adequately feeding this pipeline? What must be done to ensure our schools are preparing students for the types of jobs available?
- What should be done with workers whose jobs will be disrupted out of existence?
- How can we ensure a "just transition" to the workforce of tomorrow?

Guy Levin, Public Policy Manager, Drivers and Work, Uber *(5-10 min)*

Dennis Meyers, Assistant Executive Director, Governmental Relations
California School Boards Association *(5-10 min)*

Tina Lee, Founder and CEO, MotherCoders *(5-10 min)*

Roundtable Discussion

11:45 – 12:00pm	**Summary, Next Steps, and Adjournment**

Jay Hansen, President & CEO, CFEE