

THE 10TH BIENNIAL

# CYBER SECURITY SUMMIT

October 14, 2020  
Virtual Format

UNIVERSITY  
OF  
CALIFORNIA



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# Welcome

Dear Colleagues,

The tenth biannual Cyber Security Summit was held on October 14th, 2020. Thank you for joining us for our second entirely virtual event. Coming together, especially in challenging times, allows us to build community and better protect UC.

Every summit, we build on a rich tradition of information sharing among IT professionals from across the University of California system, California State University, and the California Community Colleges. By gathering together and sharing our collective expertise, we improve our ability to effectively manage cyber risk, which is vital to safeguarding UC's mission of teaching, research, and public service. These aims remain the focus of our virtual events, which have allowed us to expand our reach and connect in new ways.

This fall, we were delighted to welcome experts who shared their knowledge about data security, education for new security professionals, and innovative developments in technology. We also heard from a panel of UC leaders who are adapting to meet the changing needs of our virtual world. Again, thank you for coming and for your dedication to UC's security.



A handwritten signature in black ink that reads "David Rusting". The signature is fluid and cursive.

**DAVID RUSTING**

UC Systemwide Chief Information Security Officer

# Agenda

8:30am	MUSIC with MARCUS CAPPELLAZZO, <i>Cappell Entertainment</i>
9:00am	<b>MAIN STAGE Welcome and Introduction to Virtual Format</b> DAVID RUSTING, <i>Systemwide CISO, UCOP</i> MARK CIANCA, <i>Interim Vice President, UC Chief Information Officer</i>
9:15am	ACTIVITY “Cyber Summit Feud” with JARED YOUNG, <i>Go Team Events</i>
9:30am	<b>MAIN STAGE KEY NOTE: GIGI JOHNSON, EdD</b> <i>Maremel Institute</i> <b>“Augmenting Selves: Creating Lives and Futures in a Trained and Tracked Digital World”</b> Dr. Johnson’s world changed two years ago. After two decades of work with companies and at UCLA exploring digital disruption, an illness made her rethink how her own life and brain work with augmenting and nagging technologies. Our many challenges in this hyper-curated world are not just from our smart devices, digital tools, and platform marketplaces. She will challenge us to look as system designers and decision-makers at the darker underside of how digital systems train us to make major and minor life decisions, how we can create digital extensions for a more focused life, and how we can rethink how we learn and create in this trained and tracked digital world.
10:15am - 3:20pm	<b>EXPO HALL</b> Exhibitors, including UC and industry leaders, held virtual booths at our expo hall. Attendees were able to learn and connect throughout the Summit with representatives from CISCO, FireEye, Dasher, ePlus, UC IT, and C3.
10:15am - 3:20pm	<b>SOCIAL LOUNGE</b> Attendees scheduled group and private meetings in our social lounge to learn and connect with each other through the day.
10:25am	ACTIVITY “Wheel of Fortune” with JARED YOUNG, <i>Go Team Events</i>
10:30am	<b>MAIN STAGE SHAHAB TAYEB, PhD</b> <i>Professor, Lyles College of Engineering, California State University, Fresno</i> <b>“Securing Technologies of the 20th Century for Today’s Connected and Autonomous Vehicles”</b> The Internet of Vehicles (IoV) is an inter-network of Connected and Autonomous Vehicles (CAV) that interact with one another using an ensemble of wireless protocols, creating an ecosystem of intra-vehicle, inter-vehicular, and road-side communications. Such an ecosystem alleviates traffic congestion, increases driver safety, improves user convenience, while introducing a myriad of cybersecurity challenges. We will review IoV cybersecurity requirements, Controller Area Network (CAN bus) vulnerabilities and challenges, showcasing some of the recent attacks against the IoV ecosystem, the emerging standards and legislation in this domain, as well as opportunities and future directions.

# Agenda

11:15am	<b>MAIN STAGE LEO LABEL, Technical Solutions Architect, Cisco Systems</b> <b>“CMMC Compliance and University Cyber Hygiene Agility in 2020”</b> CISCO expert, Leo Label, spoke to attendees about the DoD’s Cybersecurity Maturity Model Certification (CMMC) program as a new paradigm. The DoD requires effective cybersecurity practices and processes from the Defense Industrial Base (DIB) and research organizations. In response, Leo explained, security paradigm should reduce risk and make compliance easier as an integrated and mature security posture.
11:30am	LUNCH MUSIC with MARCUS CAPPELLAZZO, <i>Cappell Entertainment</i>
12:45pm	ACTIVITY “Famous Movie Mojis” with JARED YOUNG, <i>Go Team Events</i>
12:50pm	<b>MAIN STAGE RACHEL TOBAC, SocialProof Security, CEO</b> <b>“A Human Hacker Playbook: Account Takeover in 1 Day &amp; How to Stop Me”</b> At the world’s largest hacker conference, DEF CON, a journalist asked Rachel Tobac to take over as many of his accounts as she could--live. By the end of the day, Rachel had wreaked havoc on 10+ accounts, siphoned thousands of dollars worth of points into accounts she controlled, disrupted his travel plans, and was even ready to shut his lights off. Rachel did all of this without ever once contacting the journalist. Learn the playbook Rachel used to social engineer her way into her target’s accounts in one day, and what you can do to stop attackers like her in their tracks.
1:35pm	ACTIVITY “Pop Quiz Trivia” with JARED YOUNG, <i>Go Team Events</i>
1:40pm	<b>MAIN STAGE KEITH CLEMENT, PhD, Professor of Criminology at California State University, Fresno</b> <b>“The California Cybersecurity Workforce Development and Education Strategy: Career Education Pipeline/Pathway Framework and Project”</b> What is California doing to secure a qualified cadre of current and future cybersecurity professional workforce? This presentation discusses the California Cybersecurity Workforce Development and Education Strategy and statewide initiatives to prepare 50,000 entry level cybersecurity professionals (2020-2030). The career education pipeline spans all level/segments of education and includes facilitated coordination with industry (both private and public sector), academia, and government partnerships.
2:35pm	<b>MAIN STAGE UC LEADER PANEL DISCUSSION, Bill Lazarus, Melanie Douglas, Dwight F. Kramer, Allison Henry, Monte Ratzlaff</b> Our first UC Leader Panel conversation offers a chance to learn about the important work of enhancing cybersecurity at UC. Our leaders spoke about location-specific initiatives and systemwide collaboration.
3:20pm	<b>MAIN STAGE CLOSING SESSION AND RAFFLE</b> DAVID RUSTING, <i>Systemwide CISO, UCOP</i>



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## Speakers



**KEYNOTE:**  
**GIGI LOUISA JOHNSON, EDD**  
*President, Marel Institute*

Dr. Gigi Louisa Johnson is the president of the Marel Institute, a think tank, educational multi-media producer, creative tech lab, and action research partner that connects leaders and innovators across creative sectors. Johnson was also the Founding Executive Director of the Center for Music Innovation at the Herb Alpert School of Music at UCLA. She researches and creates programs on the future of technology, education, creative work, and social and community ecosystems in a digitally accelerated age. Dr. Johnson also advises leaders in start-ups and larger organizations and speaks around the world on digital transformations.



**SHAHAB TAYEB, PHD**  
*Professor, Lyles College of Engineering,  
California State University, Fresno*

Dr. Shahab Tayeb serves as Assistant Professor of Electrical and Computer Engineering in the Lyles College of Engineering at California State University, Fresno. His research expertise and interests include network security and privacy, particularly in the context of the Internet of Things (IoT) and the Internet of Vehicles (IoV). Since 2015, Dr. Tayab has authored over 40 research papers and his research findings have been highlighted by regional and national agencies, including the National Science Foundation and Transportation Research Board of the National Academies.

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## Speakers



**RACHEL TOBAC**  
*SocialProof Security, CEO*

Rachel Tobac is a white hat hacker and the CEO of SocialProof Security, where she helps people and companies keep their data safe by training and pen-testing them on social engineering risks. Rachel is a three-time 2nd place winner of DEF CON's annual Social Engineering Capture the Flag contest, the world's largest hacker conference. She has earned an international reputation as a social engineering expert and her work has helped shed light on the newer and more subtle methods that hackers use to extract secure information. Rachel has shared her real life social engineering stories with NPR, Last Week Tonight with John Oliver, The New York Times, Business Insider, CNN, NBC Nightly News with Lester Holt, Forbes, and many more.



**KEITH CLEMENT, PHD**  
*Professor of Criminology,  
California State University, Fresno*

Dr. Keith Clement is a Professor of Criminology at California State University, Fresno. He also Chairs the Workforce Development/Education Subcommittee of the California Cybersecurity Task Force under the leadership of the California Governor's Office of Emergency Services (Cal OES) and the California Department of Technology. Professor Clement is currently drafting the California Cybersecurity Workforce Development and Education Strategy and has recently co-authored the California Cybersecurity Essential Workforce Youth Pre-and Registered Apprentice Talent Model Framework and Strategy. His efforts to develop and implement the California Cybersecurity Career Education Pipeline and Pathway Project will help prepare 50,000 cybersecurity professionals for statewide entry-level employment.

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## UC Panel Leaders



### **BILL LAZARUS**

*Chief Technology Officer,  
UCLA Health*

Bill Lazarus is the Chief Technology Officer for UCLA Health and an IT executive leader with extensive experience in healthcare solutions. In his role as CTO at UCLA Health, Bill has driven the development and implementation of a multi-year technology roadmap to enable the delivery of critical access and solutions for a high-caliber 24/7 clinical services organization. He completed over 16 years of service on the Board of Directors for the Health Associates Federal Credit Union (HAFUCU) and has a degree in Business Administration. A well-known and energetic speaker in numerous national and local forums over the last 20 years, Lazarus was recently recognized as one of the “Top 14 Healthcare CTOs to Know” by Becker’s Hospital Review.



### **MELANIE DOUGLAS**

*Chief Technology Officer,  
UC Santa Cruz*

Melanie Douglas has served as the campus Chief Technology Officer at UC Santa Cruz for the last five years. She directs the 175 member technology engineering team, leading the information technology unit and establishing standards across the division. Melanie brings the dedication she developed for customer service, operational excellence, and information security in the healthcare industry to her role in higher education technology. She holds certifications in ITIL, Agile, and Lean IT and focuses on technology service management in her work on critical campus operations. Melanie has a passion for mentorship and a strong belief in the role of diversity in developing the next generation of information technology leaders.



### **DEWIGHT F. KRAMER**

*Chief Information Security Officer,  
UC Riverside*

Dewight F. Kramer is UC Riverside’s Chief Information Security Officer and an accomplished security professional. With over 15 years of combined IT and cybersecurity experience in higher education and research institutions, he works to improve UC Riverside’s Information Security posture to better generate, advance, disseminate, and apply data and knowledge. With a Masters in Information Security and Assurance and a Masters in Law, Kramer’s interdisciplinary educational background has helped inform his passion for working at the intersection of Information Security, Data Privacy, Policy, and Law.

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## UC Panel Leaders



### **ALLISON HENRY**

*Chief Information Security Officer,  
UC Berkeley*

Allison Henry is the Chief Information Security Officer at UC Berkeley where she co-chairs the Information Risk Governance Committee, oversees critical operational campus security functions and services, and provides leadership to campus-wide committees and workgroups on information security policy and strategic campus technology directions. She has worked in Communications and Network Services and Information Security. In 2018, Allison served as Associate CISO and provided oversight and direction for Information Security Assessments and Compliance activities before assuming her role of UC Berkeley CISO in December of 2019.



### **MONTE RATZLAFF**

*Systemwide Cyber Risk Program  
Director, UCOP*

Monte Ratzlaff is the systemwide Cyber Risk Program Director at the University of California Office of the President where he works with UC leaders to establish cyber risk strategic plans and objectives. He also leads the UC Health Chief Information Security Officers from each location in various information security related initiatives. In his prior role at UC Davis Health System, Ratzlaff managed the IT Security department and also served as the Chief Security Officer. He has extensive experience in information security within the banking and health care industries and holds Certified Information Systems Security Professional (CISSP) and Certified Information Systems Auditor (CISA) professional designations.

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## UC Exhibitors

### **UC IT Blog**

The UC IT blog is by, for, and about everyone working in IT across the UC system. Representatives joined the UC Cyber Security Summit tradeshow, where they shared information about how to feature and share the expertise of our community.

### **C3 Celebrates National Cyber Security Awareness Month**

October is National Cyber Security Awareness Month (NCSAM). The Systemwide Security Awareness Team, led by Cecelia Finney of C3, had a booth at our Summit tradeshow to tell attendees about the expert and industry leader events, interactive presentations, videos, and games they organized to promote awareness.

## Performers



### JARED YOUNG

Engagement Specialist, Go Team Events

Jared brings fun, laughs, and intrigue to any event, whether online or in-person. He engages audiences with his natural southern charm and energetic personality. Jared is known as an engagement specialist because he turns meetings into experiences. He builds connection and community, helping participants see the true value in their presence and relationships.

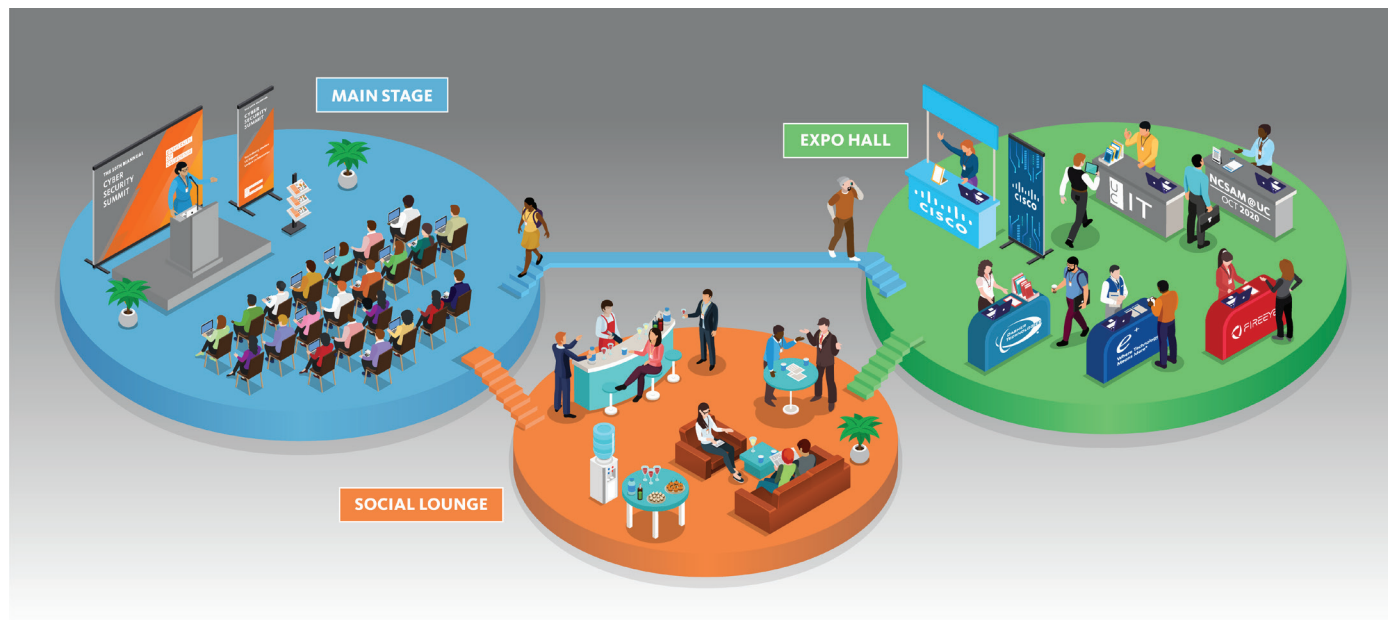


### MARCUS CAPPELLAZZO

Founder, Cappell Entertainment

Marcus Cappellazzo is an award-winning Australian-born musician who has been entertaining audiences for over 15 years. Today, he specializes in live music and DJ entertainment for weddings, events, and at local venues in the San Francisco area. He has played at corporate events for NASCAR, SFO International Airport, Salesforce, Ebates, Google, and Amazon.

## Map



## Sponsors

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### LEO LABEL

Technical Solutions Architect, Cisco Systems

Leo Lebel is a Technical Solutions Architect for Cisco Systems with over 25 years of experience. He is also a retired Marine Cyber Security officer. Leo has a BSIT and several industry certifications from Cisco, Comptia, Fortinet, ISC2, Microsoft, ITIL and is also formally trained as a Provisional Assessor for the Cyber Security Maturity Model Certification (CMMC) program.

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UC CYBER-RISK  
COORDINATION CENTER

Fostering collaboration  
between cybersecurity  
professionals for a stronger  
and more secure UC.

## Save the Date

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The 11th Biannual

# CYBER SECURITY SUMMIT

April 14, 2021

The University of California Cyber-Risk Coordination Center (C3) has already begun planning the 11th biannual Cyber Security Summit.

We welcome your suggestions about possible topics and speakers. Please contact [uccybersummit@ucop.edu](mailto:uccybersummit@ucop.edu).