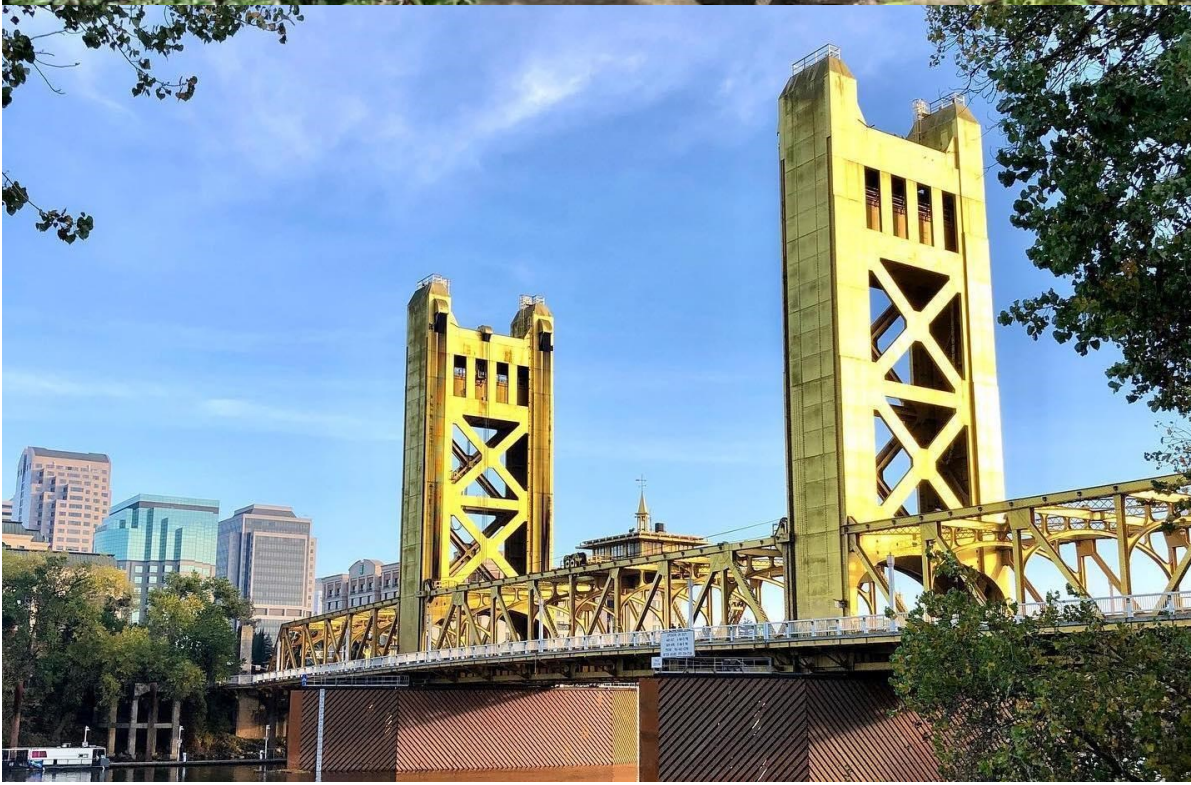


2024  
Industry Studies Association  
Annual Conference  
June 13—June 15, 2024





# ~WELCOME~

## Tonya Boone, President of the Industry Studies Association

On behalf of the Industry Studies Association (ISA) board and the conference planning team, we warmly welcome you to Sacramento and our 2024 Annual Conference. ISA offers a unique opportunity for scholars and practitioners from academia, industry, and government to collaborate, exchange ideas, and identify important new research opportunities.

This year's conference theme Conference Theme: Empowering Community WellBeing: Clean Energy, Sustainability and Industrial Strategy allows us to reflect on how community well-being – broadly defined, shapes and is shaped by industry, national, and global structures.

### Conference Highlights

- We begin with our professional development workshop for students and new graduates.
- The conference committee has arranged pre-conference tours - the local Siemen's production facility in the morning and a sustainability-themed tour of Sac State's campus.
- During the parallel research sessions, you will hear from researchers rooted in diverse disciplines describing competitive dynamics across various industries, value networks, and supply chains through parallel sessions of papers and panels across seven tracks.
- The conference committee has developed several special sessions and plenaries that explore a range of managerial, economic, and policy issues including:
  - o Special session on the pharmaceutical industry
  - o Opening plenary on the semiconductor industry
  - o Friday plenary on California's electrification transition
  - o Saturday plenary discussing community well-being in organizations.
- Celebration of Award Winners and introduction of our newest award – the Babbage Industrial Innovation Policy Award.
- Saturday afternoon excursions to a Sake tasting room or Sustainable farm with dinner

As always, you can expect stimulating research and conversations. Be prepared for provocative discussions with scholars, practitioners, and policymakers on relevant and timely issues. You can expect to strengthen existing ties and make new connections. We look forward to an engaging and productive conference!

Tonya Boone  
President, ISA



# Conference in Brief

## LOCATION

Sacramento State  
6000 J St.  
Sacramento, CA 95819

## REGISTRATION

Thursday, June 13 7:00 am — 5:30 pm	Tahoe Hall
Friday, June 14 7:30 am — 3:00 pm	Tahoe Hall
Saturday, June 15 7:30 am — 9:00 am	Alumni Center

## WEDNESDAY, JUNE 12, 2024

1:30 pm—3:30 pm      ISA Board Meeting

## THURSDAY, JUNE 13, 2024

7:30 am – 11:30 am	Excursion 1: Siemens Mobility Tour
12:00 pm—2:15 pm	Professional Development Workshop
12:00 pm – 1:30 pm	Excursion 2: Sac State Sustainability Tour
2:30 pm	ISA Annual Conference Begins
2:30 pm —3:45 pm	ISA Special Session: Past and Future of the Semiconductor Industry
4:00 pm — 5:00 pm	ISA Research Sessions   Concurrent Panel Sessions
5:30 pm—7:30 pm	ISA Welcome Reception   Opening Speaker

## FRIDAY JUNE 14, 2024

8:00 am — 9:00 am	ISA Research Sessions   Concurrent Panel Sessions
9:15 am — 10:30 am	Opening Plenary: California's Air Resource Board (CARB) and Where We Stand in the Electrification Transition
10:45 am —11:45 am	ISA Research Sessions   Concurrent Panel Sessions
12:00 pm — 1:00 pm	Lunch & ISA Business Meeting
1:15 pm — 2:15 pm	ISA Special Sessions   Two Options, Your Choice
2:30 pm — 3:30 pm	ISA Research Sessions   Concurrent Panel Sessions
3:45 pm — 5:00 pm	ISA Special Session: Economics and Policy of the Pharmaceutical Industry
5:30 pm — 7:00 pm	Optional Old Town   DOCO Evening not hosted led by Darcy Fudge Kamal, Conf. Chair

## SATURDAY JUNE 15, 2024

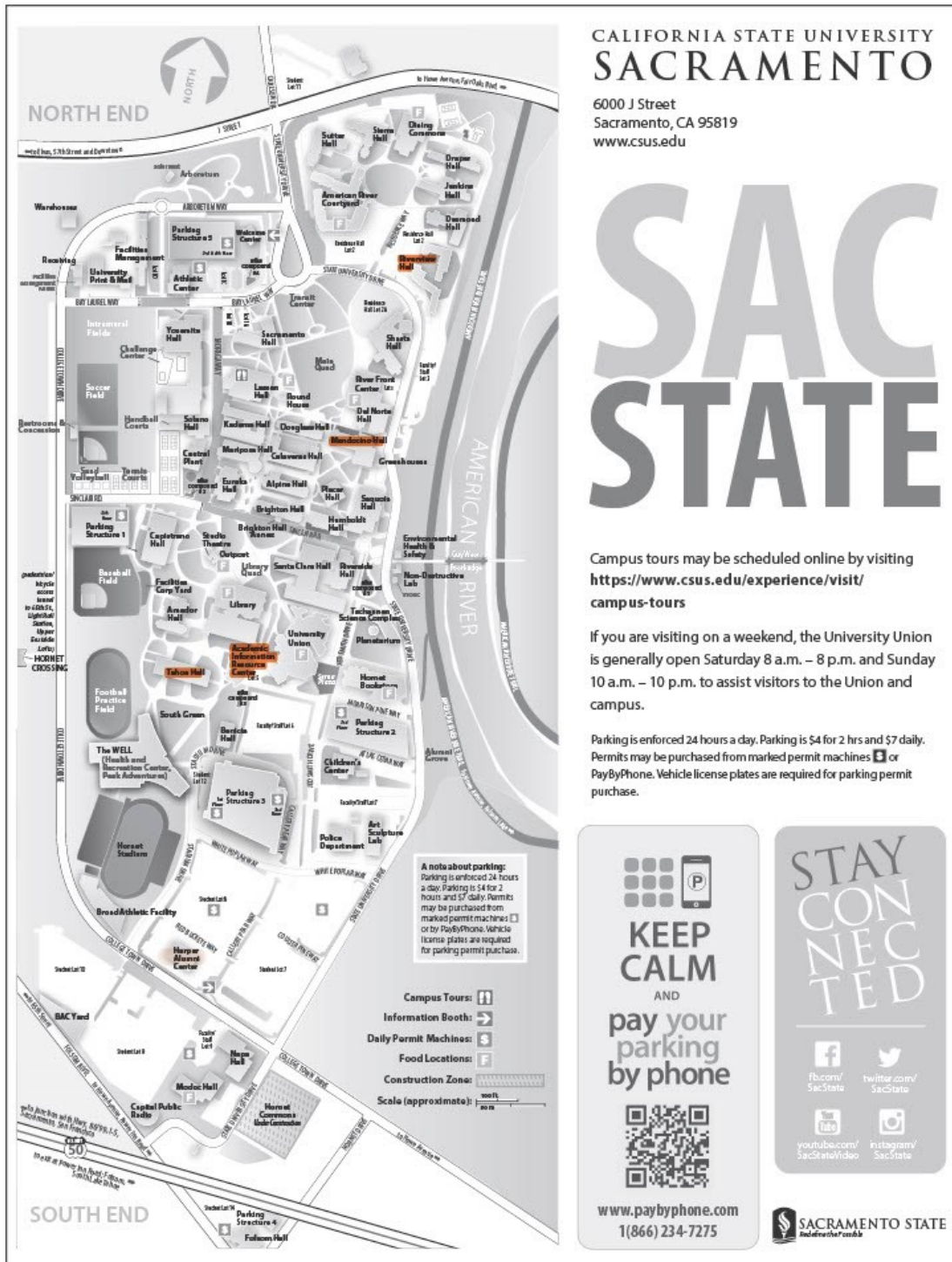
8:00 am — 9:00 am	ISA Research Sessions   Concurrent Panel Sessions
9:15 am — 10:30 am	ISA Plenary: Sustainability and Wellbeing: A Dialogue Across Disciplines
10:45 am — 11:45 pm	ISA Research Sessions   Concurrent Panel Sessions
12:15 pm — 1:15 pm	Lunch and ISA Awards Ceremony
1:15 pm	Adjourn
1:30 pm—7:00 pm	Excursion 3: Farm to Fork, Option A: Geikkakan Option B: McDonald Island, Zuckerman Family Farms

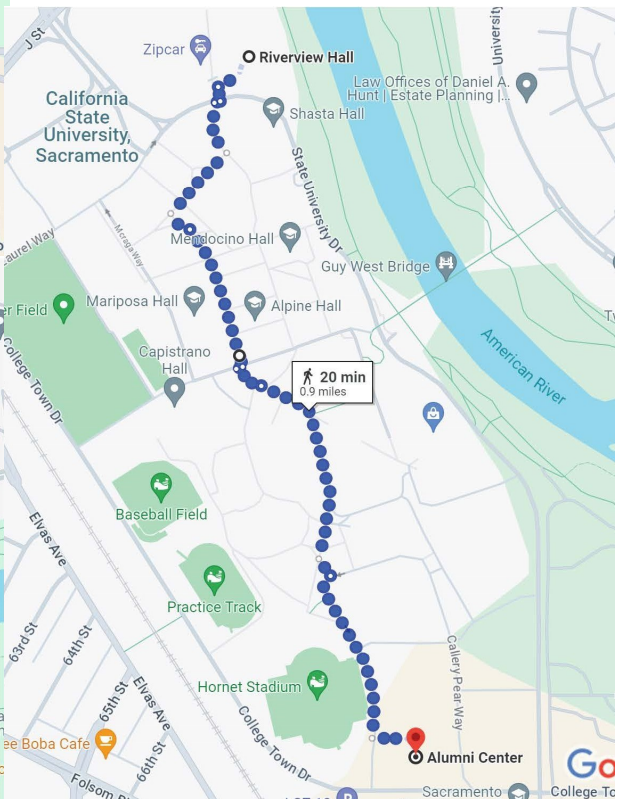
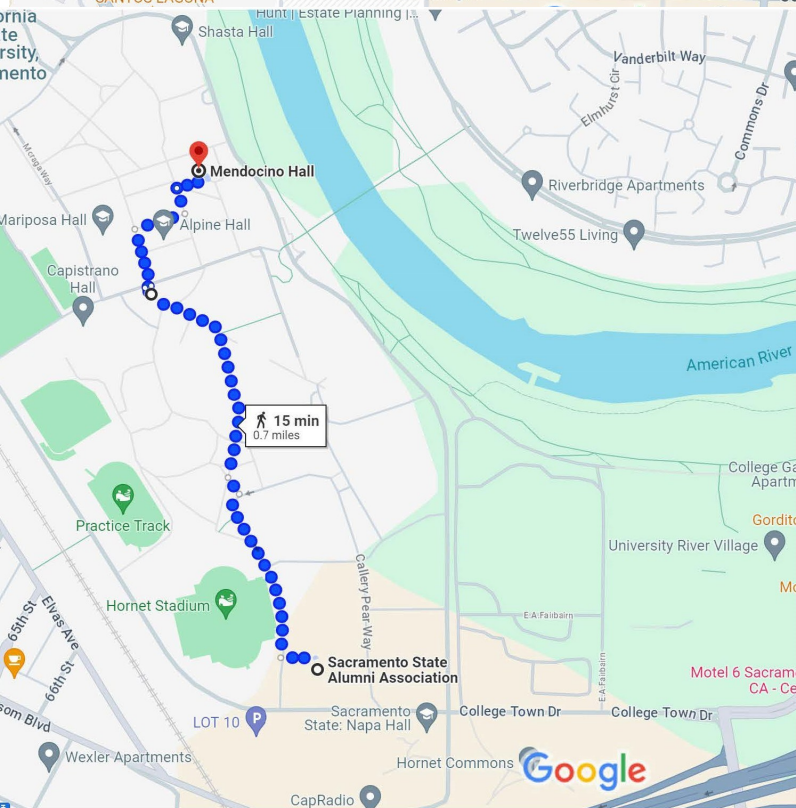
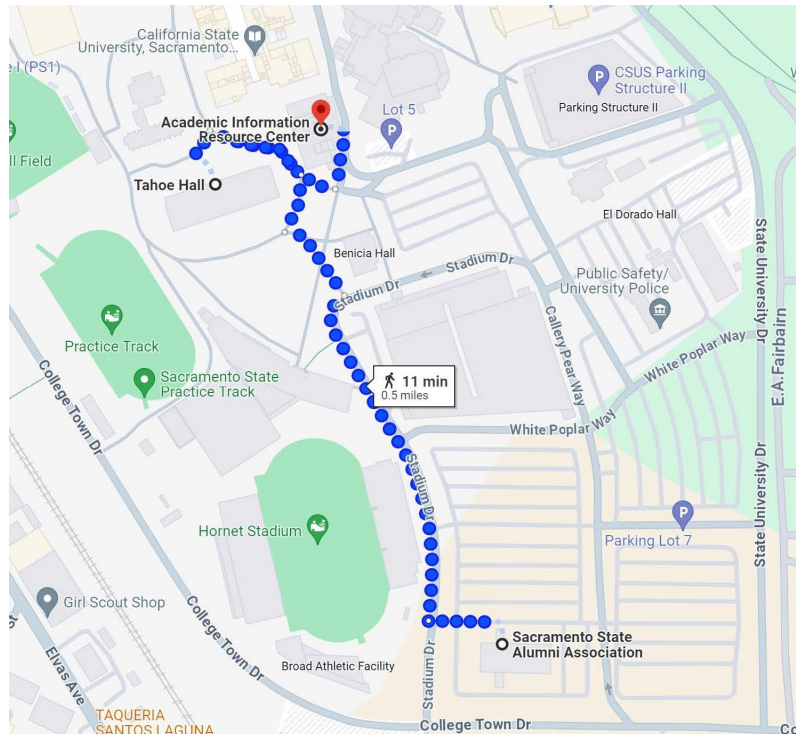


# Conference Map

For an interactive map: <https://www.csus.edu/campusmap/>

Walking across campus? Enter the building name in Google or Apple Maps for Walking Directions







# Industry Studies Association Awards

Join us Saturday June 15th at the Awards Ceremony as we recognize all awardees.

## **Conference Best Paper in the Innovation and Entrepreneurship Research Stream Award**

### WINNING PAPER

Demand-Driven Innovation and Spillover Effects on Adjacent Technological Domains: Evidence from Electric Vehicle Technologies

Jino Lu (University of Southern California)

### RUNNER-UP

You've Got Mail! The Late 19th Century US Postal Service Expansion, Firm Creation, and Firm Performance

Maria Roche (Harvard) and Astrid Marinoni (Georgia Tech)

## **Dissertation Award**

### WINNER

The Transparency Dilemma: Competition, Innovation, and Organizational Performance with Corporate Transparency

Shirley (Xiaoli) Tang, Ph.D. (from Washington University, now at Bocconi)

### RUNNER-UP

Craft Knowledge and the Advancement of Science: The Role of Scientific Support Occupations in Shared Research Facilities

Danielle Bovenberg, Ph.D. (from UC Santa Barbara, now at Yale University)

## **Babbage Award**

### WINNER

The Value of Advice: Evidence from Thousands of Smallholder Farms in the Philippines

Canberk Ucel (Bilkent University) and KC Diwas (Emory University)



# Industry Studies Association Awards

Join us Saturday, June 15th at the Awards Ceremony as we recognize all awardees.

## Giarratani Rising Star Award

### WINNER

Sharing Solutions without Spilling Secrets:  
The Role of Technicians in the Diffusion of Knowledge at Innovation Frontiers  
Danielle Bovenberg (Yale University)

### RUNNER-UP (Tie)

Unpacking the Expat Gap:  
Why and How Local Entrepreneurs Nonetheless Persist in Developing Countries Moral Markets  
Diana Jue-Rajasingh (Rice University)

The Folding Effect: The Role of Reframed Distance in Organizational Search  
Sukhun Kang (University of California – Santa Barbara)

## Ralph Gomory Best Industry Studies Paper Award

### WINNING PAPER

"People, performance and transition: A case study of psychological contract and stakeholder orientation in the Toyota Australia plant closure" *Journal of Operations Management*  
Daniel Samson (University of Melbourne) and Morgan Swink (Texas Christian University)

### RUNNER-UP

"Exploring the structure of internal combustion engine and battery electric vehicles: Implications for the architecture of the automotive industry" *Industrial and Corporate Change*  
Johann P. Murmann and Benedikt A. Schuler (University of St. Gallen)

**Thank you to all who served on an award selection committee!**



# Conference Program in Detail

Throughout the conference schedule, panels indicate which one of the eight ISA research streams they represent by the following abbreviations and color scheme:

## **1. Energy, Power, & Sustainability (EP&S)**

This stream invites papers and panels on the changing market and public policy landscape where the energy industry (including oil and gas, electricity, pipelines) intersects with environmental concerns.

## **2. Health Care Delivery, Biotechnology, and Pharmaceuticals (H)**

This stream invites papers and panels that examine the myriad of issues surrounding effective management of health care entities and systems (e.g., hospitals, medical groups, public health agencies, insurance companies, pharmaceutical firms, technology companies, etc.).

## **3. Innovation & Entrepreneurship (I&E)**

This stream invites papers and panels that examine innovation within firms and other organizations such as universities, across organizational boundaries, across country boundaries, and in new entrepreneurial ventures.

## **4. Public Policy and Competitiveness: National, Regional, and Global (PPC)**

Public policy – whether national, regional, local or global – often shapes opportunities for industries, including competitive options within industries and globalization of industries. In turn, wrestling with these opportunities, competitiveness and globalization have had a profound impact on the nature of industrial activity and policy.

## **5. Labor Markets, Organizations, & Employment Relations (LMO&ER)**

This stream welcomes papers and panels that examine the impacts of firm, industry, and market characteristics on labor markets, industrial relations, and/or human resource practices as well as public policy outcomes.

## **6. Operations, Supply Chain, and Technology Management (OSTM)**

This stream welcomes papers and panels that are concerned with the oversight, design, and control of the business processes responsible for the production of goods and services as well as those focused on coordination of (multiple) firms responsible for these business processes within a supply network.

## **7. General and Other Industry Studies (GIS)**

Any research on issues or industries not covered in the research streams described above may be submitted to this general stream. Papers or organized panels comparing phenomena, trends, issues, or economic activities across occupations, industries, or geographic regions are especially welcome.

## **8. Data Analytics & AI**

Our newest track recognizes the importance of Analytics and AI transforming firms, industries and regional economies. Papers and panels that involve the impact of analytics and AI on sustainability and wellbeing are welcomed for this track.





# Conference Program: Thursday, June 13

## **EXCURSIONS:** (pre registration required)

### **7:30 am — 11:30 am Siemens**

(recommended pre-reading on Sacramento's train manufacturing history: *A Legacy in Brick and Iron Sacramento's Central & Pacific Railroad Shops*, Mary Helmich and Kevin V. Bunker <https://csus.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=e8eeee97-c0c0-4643-829e-b097012ad5d9>)

### **12:00 pm — 1:30 pm Sac State Sustainability**

## **PROFESSIONAL DEVELOPMENT WORKSHOP** (pre registration required)

**12:00 pm — 2:15 pm**

*Workshop & Luncheon*

**Alumni Center**

## **ISA SPECIAL SESSION**

**2:30 pm — 3:45 pm**

**Past and Future of the Semiconductor Industry, Alumni Center**

## **ISA RESEARCH SESSIONS**

**4:00 pm — 5:00 pm**

**See Program Details, Tahoe Hall  
and Academic Information Resource Center**

## **INDUSTRY STUDIES CONFERENCE WELCOME RECEPTION**

**5:30 pm — 7:30 pm**

***Sponsored by Sacramento State's College of Business  
Alumni Center***



Thursday, June 13

2:30—3:45 pm

## Panelists' Bios

# Special Session | The Past and Future of the Semiconductor Industry

Join us for an enlightening session that delves into the fascinating world of semiconductors. This special session will take you on a journey through the evolution of the semiconductor industry, highlighting its past achievements, current state, and future prospects. The session will feature a comprehensive review of **Robert Leachman's benchmarking studies**, which have served as a cornerstone in understanding the industry's progression. **Hassan Khan** who will be discussing the **CHIPS Act**. Khan's discussion will shed light on the implications of this significant legislation on the semiconductor industry, its potential to boost domestic production, and its role in addressing the global semiconductor shortage.



**Robert Leachman**, is a Professor Emeritus of Industrial Engineering and Operations Research at the University of California at Berkeley. Dr. Leachman is the author of more than 90 technical publications concerning operations management and productivity improvement. He has supervised 39 PhD dissertations in the area. He also is President and CEO of Leachman and Associates LLC, a firm providing consulting and software for supply chain and operations management to corporations and governments world-wide. He received the AB degree in Mathematics and Physics, the MS degree in Operations Research and the PhD degree in Operations Research, all from U. C. Berkeley, and has been a member of the U C Berkeley faculty since 1979. From 1991 to 2003 Dr. Leachman was the Director of the Competitive Semiconductor Manufacturing (CSM) Program at U C Berkeley, a research project to benchmark performance and practices in semiconductor manufacturing world-wide. At the time, the CSM Program was the largest interdisciplinary research program at U C Berkeley, embracing 8 faculty and 25 graduate students from multiple engineering departments as well as business and economics. Dr. Leachman is a one-time winner and a two-time finalist in the Franz Edelman Award Competition, the most prestigious award from the Institute for Operations Research and the Management Sciences (INFORMS), as well as an INFORMS Fellow, recognizing his work to design and implement automated production planning and floor scheduling systems in the semiconductor industry.



**Hassan Khan** is a Senior Policy Advisor at the CHIPS Program Office (CPO). At CPO he is responsible for industry analysis and overall portfolio planning. Prior to joining the Department of Commerce, he worked in product operations at McKinsey (2018-2020) and Apple (2020-2022). Hassan received his PhD from Carnegie Mellon in Engineering and Public Policy where he received an NSF Graduate Research Fellowship for his work on the semiconductor industry's challenges at the end of Moore's Law. Prior to his graduate work Hassan was a process and integration engineer at Twin Creeks Technologies, a start-up developing a novel, flexible crystalline silicon solar cell. He received his BS in Chemical Engineering from UC Berkeley and is forever a Golden Bear.



**Moderator: Elisabeth Reynolds** holds a B.A. in government from Harvard, a Master's in Economics from the University of Montreal, and a Ph.D. from MIT's Department of Urban Studies and Planning. Liz is a Lecturer and Principal Research Scientist at MIT, focused on systems of innovation, regional economic development and industrial competitiveness. She recently served in the Biden Administration at the National Economic Council as Special Assistant to the President for Manufacturing and Economic Development from 2021 to October, 2022. In that capacity, she was engaged in many of the country's supply chain challenges as well as helped to develop the Biden Administration's manufacturing agenda and broader industrial strategy including around infrastructure, semiconductors and clean energy. She was Executive Director of the MIT Industrial Performance Center from 2010 to 2021 and co-led with Professors David Autor and David Mindell MIT's Task Force on the Work of the Future.

Curious about Sacramento's semiconductor industry activity see:  
<https://shorturl.at/qN6I5>



# Thursday, June 13

## ISA SPECIAL SESSION

2:30 pm—3:45 pm

ROOM Alumni Center

Past and Future of the Semiconductor Industry

## ISA RESEARCH SESSIONS 4:00 pm—5:00 pm

### 1A: Disruptive Technology, Social Impact and the Future of Work (LMO&ER) Room AIRC 1007

Chair: Howard Wial

Are Employee-Owned Firms Luddites? Effects of Ownership on Adoption of Robots and Employment after Adoption

FNU Adrianto\* (University of Minnesota), Avner Ben-Ner (University of Minnesota), Ainhua Urtasun (Public University of Navarre)

Racial Equity in America's New Industrial Transformation

Howard Wial\*, Miles Chandler, and Peter Eberhardt  
(Initiative for a Competitive Inner City)

Exploring the Nexus of Authentic Leadership, Emotional Leadership, and Psychological Safety: Enhancing DEI initiatives within Organizations

Cheryl Dowie\*, Amaani Rauniar, Qing Cao, and Rupak Rauniar  
(University of Houston)

### 1B: Software, Semiconductors, and AI (I&E)

Room AIRC 1008

Chair: Anna Lukkarinen

An Exploration for the Peer Effects in Accelerators: How Do Startups Benefit from the Networks of Peers in the Same Accelerator Cohort?

Joonho Oh\* (University of North Carolina – Chapel Hill)

Crowdinvestor Reactions to Venture Sustainability: Evidence from a Randomized Field Experiment

Anna Lukkarinen\* and Riitta Katila (Stanford University)

Corporate Venture and Startup Survival

Susan Zhou\* (Sacramento State)





# Thursday, June 13

## **1C: Navigating the Crossroads: Data, AI, and the Ethical Quest for Equity in Healthcare (H | AI)** **Room AIRC 1009**

Chair: Sadaf Ashtari (Sacramento State), Discussant: Xie (John) Heng (Sacramento State)

### Panelists:

Kiran Mysore (Chief Data & Analytics Officer, Sutter Health)  
Michael Valle (Chief Information Officer, Deputy Director, California Department of Healthcare Access and Information)  
Robert Cathey (Chief Data Officer, Vice President, Global Data Analytic Solutions, VSP Global)  
Ajmal Aminee, (Director of Clinical Data, Analytics & BI Planned Parenthood Northern California)

## **1D: Navigating Sustainability and Social Impact in Global Supply Chains (OSTM)** **Room TAH 1026**

Chair: Canberk Ucel (Bilkent University)

Developing the Sharing Economy Industry in Malaysia to Promote Economic Opportunities for the Base of the Pyramid

Tim Olsen\* (Gonzaga University)

Profitable Nitrogen Loss mitigation in the US Midwest Through Farm Management, New Policies and "Lean" Technologies

Canberk Ucel\* (Bilkent University)

Exploring emerging market multinationals' internationalization and corporate social performance – from the linkage-leverage-learning framework

Yu-Yuan Shih\* (National Taiwan Normal University) and Chih-An Lin (Fu Jen Catholic University)

A Comparative Analysis on the Corporate Social Responsibility Implementation: The Empirical Cases of Semiconductor and Finance Industry

Yen-Hao Steve Chao, Shih-Hsin Chen, Wen-Hsin Chi, Hung-Chi Chang, and Jui-Yen Chen\*  
(National Yang Ming Chiao Tung University)



# Thursday, June 13

## **1E: Social science research for the creation of a new offshore wind industry in the U.S. (EP&S)**

**ROOM TAH 1025**

Chair: Elizabeth Wilson (Dartmouth)

Offshore wind industry struggles and policy responses in the U.S.: A five-state case study  
Ryan Tripp (Dartmouth), Tyler Hansen (Dartmouth), and Elizabeth Wilson\* (Dartmouth)

Benefit, burden, bribe: an exploration of community benefit agreements for offshore and land-based wind energy  
Matilda Kreider (National Renewable Energy Laboratory), and Lena Kitzing (Technical University of Denmark)

Governing green transformative innovation: Learning from the Danish energy islands  
Tyler Hansen\* (Dartmouth)

Accelerating Institutional Learning for Offshore Wind: Proposal to Use Machine Learning to Enhance Process Equity in the Creation of a New Industrial  
Stephanie Lenhart\* (Boise State), Omar Asensio (Harvard), and Elizabeth Wilson (Dartmouth)

## **1F: Industrial Policy and the Reshoring of American Manufacturing Room**

Chair: Ian Fletcher

**ROOM TAH 1027**

Panelists:

Ian Fletcher (Coalition for a Prosperous America) Advisory Board member  
Jeff Ferry (Coalition for a Prosperous America) Chief Economist  
Mamun Rashid (Auxin Solar), CEO

## **ISA WELCOME RECEPTION, SPONSORED BY SACRAMENTO STATE COLLEGE OF BUSINESS**

**5:30 pm—7:30 pm**

**Alumni Center**

### **Welcoming Remarks:**

Darcy Fudge Kamal (Sacramento State) ISCC Chair  
Dean Jean-François Coget (Sacramento State)  
President J. Luke Wood (Sacramento State), Recorded  
Alumni President Lance Hastings (California Manufacturing and Technology Association)



# Conference Program: Friday, June 14

## ISA RESEARCH SESSIONS

8:00 am — 9:00 am

See Program Details, Tahoe Hall (TAH) and Academic Information Resource Center (AIRC)

## WELCOME BY THE ISA PRESIDENT | Tonya Boone

## OPENING PLENARY | California's Air Resource Board (CARB) and Where We Stand in the Electrification Transition

9:15 am — 10:30 am

Alumni Center

## ISA RESEARCH SESSIONS

10:45 am — 11:45 pm

See Program Details, Tahoe Hall (TAH) and Academic Information Resource Center (AIRC)

## ISA BUSINESS MEETING LUNCHEON

12:00 pm — 1:00 pm

Alumni Center

## ISA SPECIAL SESSIONS

1:15 pm — 2:15 pm

Social Determinants of Health:  
Housing and Homelessness, Tahoe Hall

1:15 pm — 2:15 pm

University Ecosystems: CSU Innovation Resources ,  
Tahoe Hall

## ISA RESEARCH SESSIONS

2:30 pm — 3:30 pm

See Program Details, Tahoe Hall (TAH) and Academic Information Resource Center (AIRC)

## ISA SPECIAL SESSION | Economics and Policy of the Pharmaceutical Industry

3:45 pm — 4:45 pm

Alumni Center

5:30 pm — 7:00 pm

Old Town | DOCO Evening





# Friday, June 14

**ISA RESEARCH SESSIONS 8:00 am—9:00 am**

## **2A: Recent Advances in Batteries and Electric Vehicle (EP&S)**

**Room AIRC 1007**

Chair: Anthony Cheng (Carnegie Mellon University)

Power Play: Evaluating the Effect of Inflation Reduction Act Subsidies on Electric Vehicle Battery Technology Choices and Supply Chains

Anthony Cheng\*, Erica Fuchs, and Jeremy Michalek (Carnegie Mellon University)

Moving Towards the Electrification of Medium- and Heavy-Duty Vehicles in the Inland Empire

Kimberly Collins\*, Raffi Der Wartanian, and Yunfei Hou

(Leonard Transportation Center, California State University – San Bernardino)

The Critical Minerals Shortage: The Case of Ultramafic Nickel

Peter Warrian\*, Anastasia Alksnis, Samuel Marcuson, and Mansoor Barati

(University of Toronto)

## **2B: AI & People (I&E | AI)**

**Room AIRC 1008**

Chair: Mingtao Xu (Tsinghua University)

AI Investment, Employees Skills and Firm Performance

Marco Cucculelli\* (UNIVPM) and Ali Shah (Università Politecnica delle Marche)

Pursuing a Few or Many: Startups' Market Entry in AI and the Role of Academic Founders

Florence Honoré\* (University of Wisconsin-Madison), Shinjinee Chattopadhyay (University of Illinois at Urbana-Champaign), and Shinjae Won (University of Illinois at Urbana-Champaign)

Does Domain Human Capital Matter in AI Entrepreneurship? A Study of the Chinese AI Medical Imaging Industry

Mingtao Xu\* (Tsinghua University) and Natarajan Balasubramanian (Syracuse University)



# Friday, June 14

## **2C: Rethinking Supply Chains, New Players, New (OSTM)**

**Room AIRC 1009**

Chair: Tomas Harrington (University of East Anglia)

Kingmakers: How South-East Asia and Mexico Are Reshaping the Post-Pandemic Supply Chain  
Chenhui Zhang\* (University of Chicago)

Upscaling supply chains: A case study on entrepreneurial firms in the plant-based meat industry  
Tim Schlaich\* (Kühne Logistics University), Benn Lawson (Said Business School, Oxford), and Kai Hoberg (Kühne Logistics University)

Convergence of Product, Production and Supply Chain Design Rules: Evidence from Pharmaceutical Pre-Competitive Collaboration Networks

Tomas Harrington\* (University of East Anglia),  
Jagjit Singh Srai (University of Cambridge),  
Nitin Joglekar (Boston University), and  
Sriram Narayanan (Michigan State University)

## **2D: Innovating Education: The Next Wave of University-Driven Entrepreneurial Ecosystems (I&E)**

**Room AIRC 3004**

Chair: Nathan Kim (Sacramento State)

Beyond Multinationals: The Critical Role of International Business Education for Small Business Success  
Ken Chinen\* (Sacramento State)

Cultivating Entrepreneurial Ecosystems in Higher Education: Collaborative Dynamics Among Students, Educators, and Community Partners  
Jungyoon Jang\* (Sacramento State)

Bridging Theory and Practice: The Role of Entrepreneurship Education Ecosystems in CSU Campuses  
Jai Joon Lee\* (Sacramento State) and Nathan Kim (Sacramento State)



## **2E: The Impact of Automation: Efficiency, Hidden Costs, and Challenges (OSTM | AI)**

Chair: Ching-Yan Wu (National Tsing Hua University)

**Room AIRC 1026**

Improved Medical Equipment Supply Chain Resilience Against Epidemic Outbreaks Using Automation

Chelsea White,\* Kan Wang, Zhaonan Liu, Ben Wang (Georgia Tech), and  
Eleftherios Iakovou (Texas A&M University)

Modeling the Hidden Labor Costs of Autonomous Vehicle Taxi Services

Leah Kaplan\*, Lola Nurullaeva, and John Paul Helveston (George Washington University)

The Obstacles Of Digital Transformation In The Retail Industry, Using Taiwan's X-Store As An Example

Ching-Yan Wu\* and Chun-Yao Fu (National Tsing Hua University)

AI Integration in Smart Buildings: A Patent Analysis for Technological Clustering

Kuo-Chen Wang\* (National Central University), Rico Cho (Wispro Technology),  
Lian Shen and Chieh-Ju Chou (National Central University),  
Li-Ching Sung (National Taiwan Normal University)

## **2F: Regional Patterns in Policymaking (PPC)**

**Room TAH 1002**

Chair: Guendalina Anzolin (Institute for Manufacturing, University of Cambridge)

Elites and Economic Transformation: Explaining Subnational Divergence in Mexico

Seth Pipkin\* (UC Irvine) and Alberto Fuentes (Georgia Institute of Technology)

Children Left Behind: Charter Schools and the Privatization of Public Education in the US

Farzam Boroomand\* (University of Minnesota)

Technology, supply chain and workforce development: how RTOs foster industrial competitiveness. The case of digital manufacturing

Guendalina Anzolin\* and Eoin O'Sullivan (Institute for Manufacturing, University of Cambridge)





Friday, June 14  
9:15—10:30 am

## Panelists' Bios

# Opening Plenary | California's Air Resources Board and Where We Stand in the Electrification Transition

Daniel Sperling, Blue Planet award-winning researcher and author from UC Davis, and Gil Tal, Professor of Environmental Science and Policy at UC Davis, will speak about the great promise of the electrification transition and the challenges ahead.

As a long-time member of California's Air Resource Board, Dan has been directly involved in the policy making that has influenced countless people through the adoption by 14 states of the air quality standards set by CARB. He will focus his comments on the progress and challenges around electrifying heavy duty trucking.

As the Director of the UC Davis EV Research Center, Gil has pioneered much of the early and current research on electric vehicle policy, travel behavior, and supply chain dynamics. He will focus his comments on electrifying the light duty vehicle sector.



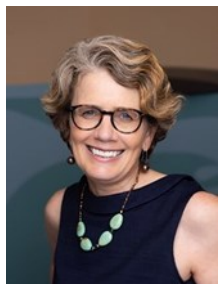
**Daniel Sperling**, is the Distinguished Blue Planet Prize Professor of Civil Engineering and Environmental Science and Policy and founding Director of the Institute of Transportation Studies at the University of California, Davis. The Institute is staffed by over 150 faculty, staff, and student researchers.

Professor Sperling has been a leader in elevating the role of sustainability in the transportation community and transportation research, and bringing science to policy. He was appointed to the "automotive engineering" seat on the California Air Resources Board by Governors Arnold Schwarzenegger and Jerry Brown for 16 years, until early 2023, where he oversaw policies and regulations on climate change, low carbon fuels and vehicles, and sustainable cities. In 2024 he was selected to be Secretary General (with Professor Giovanni Circella) of the World Conference on Transportation Research Society, in 2015-16 he served as Chair of the Transportation Research Board (National Academies) and in 2013 he served as Chair of the California Fuel Cell Partnership.



**Gil Tal** holds a Ph.D. in Transportation Technology and Policy from UC Davis, and an M.A. in geography and environmental policy and planning from the Hebrew University in Jerusalem.

Dr. Tal's research focuses on electric vehicle policy, travel behavior, and EV supply chain dynamics. Specifically, Dr. Tal's research delves into the electrification of emerging mobility services and the integration of electric vehicles and automated vehicles in developed economies and the global south, with a keen focus on their significant impacts on the electric grid.



**Moderator: Patty Monahan**, Commissioner for Science/Engineering, California Energy Commission.

Commissioner Monahan was previously transportation program director at the Energy Foundation, where she guided campaigns across the United States that advanced electric transportation, more efficient vehicles, and cleaner transportation fuels. She also worked for the Union of Concerned Scientists as Director of the California office and Deputy Director of Clean Vehicles. at the U.S. Environmental Protection Agency, and at Lawrence Berkeley National Laboratory.

## **ISA RESEARCH SESSIONS 10:45 am—11:45 am**

### **3A: Human Capital and Organizational Outcomes (LMO&ER)**

**Room AIRC 1007**

Chair: Andrew Weaver (University of Illinois – Urbana Champaign)

Sharing is Caring: Employee Stock Ownership Plans and Employee Satisfaction in U.S. Manufacturing  
FNU Adrianto\* (University of Minnesota), Avner Ben-Ner (University of Minnesota), Jason Sockin (IZA), and Ainhua Urtasun (Public University of Navarre)

Setting the Price: Gendered Self and Other Devaluation of Medical Services in Health Care  
Pooria Assadi (Sacramento State) and Shinjae Won\* (University of Illinois at Urbana-Champaign)

Are Employer Training and General Education Substitutes or Complements?  
Andrew Weaver\* (University of Illinois – Urbana Champaign) and Hyejin Ko (Korean Institute for Health and Social Affairs)

Community college contribution to manufacturers, manufacturing, and regional economic development  
Justin Vinton\* (Rutgers University, School of Management and Labor Relations, Education and Employment Research Center), Michelle Van Noy (Rutgers University, Education and Employment Research Center), and Allison Forbes (Center or Regional Economic Competitiveness)

### **3B: ESG Equity Energy and Engagement – Phasing in Industrial Strategy at the DOE (EP&S)**

**Room AIRC 1008**

Chair: Justin Smith (DOE)

Equity, Energy, Education, and Engagement - Phasing in Industrial Strategy at DOE Industrial Assessment Centers, DOE Program Directors from the Industrial Assessment Center will describe their process and key projects.

Panelists:

Ahmad Ganji (San Francisco State)  
Dave Teasdale, (Kern Community College District)  
Executive Director of the Economic Development, Corporate Training,  
and the 21st Century Energy Center



# Friday, June 14

## 3C: Platform Ecosystems and Market Entry (I&E)

Room AIRC 1009

Chair: Anan Sheth (Cal Poly – San Luis Obispo)

'Where and how to play?' Corporate exploration and non-Knightian uncertainty  
Anan Sheth\* (Cal Poly – San Luis Obispo)

The Folding Effect: The Role of Reframed Distance in Organizational Search  
Sukhun Kang\* (University of California – Santa Barbara)

Sword of Damocles: Coopetition Tension of Complementors and a Focal Platform  
Elton Li-Yi\* (University of Wisconsin-Madison) and  
Huiyang Dai (Zhejiang University of Technology)

## 3D: How the Environment Shapes New Ventures (I&E)

Room AIRC 3004

Chair: Roberto Fontana

Alignment and Divergence in Government and Private VCs: The Amplifying Role of Geopolitical Risks  
Mingtao Xu\* (Tsinghua University), Tan Li (Soochoo University)  
and Victor Cui (University of Waterloo)

The Other Half: The Geography of Early-Stage Startup Equity  
Florence Honoré\* (University of Wisconsin-Madison), Jay Habegger (University of Maryland), and  
Rajshree Agarwal (University of Maryland)

Adaptation to Technological Discontinuities: How Demand-side Disruptions Favor Incumbents  
Chang Liu (ETH Zurich), Roberto Fontana\* (University of Pavia), and  
Franco Malerba (Bocconi University)

How Important Is Open-Source Science for Invention Speed?  
Tan Tran\* (ICD Business School) and Evens Salies (Sciences Po, OFCE)

## 3E: Healthcare System Improvement Across the Value Chain (H)

Room AIRC 3009

Chair: Jenny Kuan (California State University – Monterey Bay)

Hidden costs in international outsource manufacturing: An empirical study in the med-tech industry  
Oliver von Dzengelevski\* (ETH-Zurich), John Gray (Ohio State University),  
Paul Beaudonnet and Torbjorn Netland (ETH Zurich)

The Role of Organization Design in Reconfiguring the Healthcare Ecosystem  
Jenny Kuan\* (California State University – Monterey Bay) and  
Gwendolyn Lee (University of Florida)

We Need an Expert! How Expertise on Boards Changes in Crisis  
Sasmira Matta\* (University of Pennsylvania)

Opportunities for Augmentative AI in American Health Care  
Adam Seth Litwin\*, Deepa Kylasam Iyer, and Ayaj Rana (Cornell University)



# Friday, June 14

## **3F: Industrial Strategy Impacts of Recent US Tariff Increases (PPC)**

**Room TAH 1026**

Chair: Andrew Reamer (George Washington University)

Panelists:

John Paul MacDuffie (The Wharton School, University of Pennsylvania)  
Susan Helper (Case Western Reserve University)  
John Paul Helveston (George Washington University)

## **ISA BUSINESS MEETING LUNCHEON**

**12:00 pm—1:00 pm**

**Tahoe Hall**

## **ISA SPECIAL SESSIONS | TWO OPTIONS, YOUR CHOICE**

**1:15 pm—2:15 pm**

**Room TAH 1003**

**Social Determinants of Health: Housing and Livability in California**

**1:15 pm—2:15 pm**

**Room TAH 1004**

**University Ecosystems: CSU Innovation Resources**





Friday, June 14

1:15—2:15 pm

## Panelists' Bios

# Special Session | Social Determinants of Health: Housing and Livability in California

Learn about housing and livability issues from documentary makers behind the documentary "The Invisible Homeless". Watch the 21-minute film and hear from Arturo Baiocchi an expert on housing and the state of homelessness and livability in California.



**Moderator:** Arturo Baiocchi, Graduate Director and Associate Professor of Social Work at Sacramento State. Arturo and his colleagues have partnered and led the Sacramento County Point-in-Time Count of Homelessness in the region. Baiocchi's research focuses on vulnerable young adults, mental health and homelessness. He also has interests and teaches in the area of social welfare policy, race and inequality, and community-based research. Dr. Baiocchi has over ten years of experience conducting various program and policy evaluations related to these topics, including assessments of supportive housing and other housing first interventions; street outreach programs; and reintegration programs for individuals transitioning from various institutions.



**Presenter:** Nick Anderson, Bright Coast Production, Director/Screenwriter Nick Anderson is committed to making films and telling stories that convey the power of individuals and ideas to transform our lives. Since graduating from film school at Chapman University in 2006, he has completed a number of commercials, corporate videos, music videos, and short films. Nick began to consider feature production in 2009 after he took over as lead camera for BluePrint Productions' "The Last Crop," a documentary about the sustainability of small family-owned farms in the U.S. In 2011, Nick helped develop and shoot "Give Us This Day" with Adam Stern and Abide Films, a project following the Pacer football team at Grant Union High School in Sacramento. Nick brings his creativity and unique ability to tell stories to every project he works on, big or small, and hopes to continue to share his work with the world through future endeavors.



**Presenter:** Jonathan Cook, Executive Director, Sacramento Housing Alliance Jonathan has dedicated his career to advocating for marginalized communities and strengthening the capacity and impact of the social justice organizations he led. As executive director of the Solano Pride Center he tripled annual revenue, launched meaningful supportive programs for clients, and advocated for LGBTQ rights at every level of government. His experiences highlighted the foundational role affordable housing plays in supporting individuals and families trying to achieve stability and neighborhood vitality and safety.



Friday, June 14

1:15—2:15 pm

## Panelists' Bios

# Special Session | University Ecosystems: CSU Innovation Resources

This session aims to delve into the intricate network of real estate resources within the California State University ecosystem, with a special focus on innovation and sustainability. We will be discussing the innovative strategies employed across various campuses, including Sacramento State's newly established Placer Campus. Additionally, we will explore the role of the California Mobility Center in promoting electrification and sustainable transportation, aimed at resolving important bottlenecks such as workforce development and serving as a startup incubator.



### **Moderator: Dean Jean-François Coget (Sacramento State)**

Dr. Jean-François Coget is originally from Paris but has lived in the United States for the last 20 years. Most recently, Dr. Coget served as the Dean of the School of Business and Economics at Sonoma State University. Prior to that, he was the Associate Dean for the Orfalea College of Business at Cal Poly SLO and a professor of management at Cal Poly SLO.



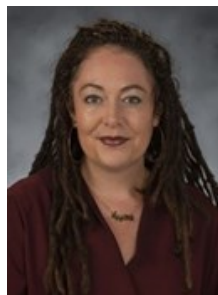
**Eric Anderson**, As Executive Director of Real Estate in the CSU Chancellor's Office, Eric supports all 23 Cal State campuses in developing, soliciting and negotiating public-private partnerships and related campus-edge real projects. As it relates to academic-industry connectivity, this includes not just research commercialization, but also industry co-location opportunities to create pathways to employment and experiential learning opportunities for CSU's 460,000 students. Prior to joining CSU, Eric worked in private consulting, helping universities and other anchor institutions around the country similarly pursue campus-edge strategies and projects.



**Lindsey Rowell**, Chief of Energy Sustainability & Transportation, California State University-Chancellors Office, is an energy and sustainability professional with over 15 years of experience. Lindsey has been responsible for hundreds of megawatts of renewable energy generation installation as well as millions of dollars in cost savings through efficiency measures. More recently her role has expanded to address issues of injustice as they relate to environmental equity, working with campuses throughout the CSU system to develop strategies to address disparities between disadvantaged students and communities. These efforts include the passage of the Board of Trustees' CSU Sustainability Policy which emphasizes food and clothing redistribution programs, sustainable procurement strategies, DEI program support, and academic efforts to graduate climate literate students.



**Orville Thomas**, became CEO of the California Mobility Center in November of 2023 and has immediately gotten to work trying to build a 25-acre clean energy, power, and zero-emission innovation campus in Sacramento. Raising funds for \$300 million project is the latest "big project" for Orville. In the last decade, he worked to get California's high-speed rail project to groundbreaking, helped pass the state's first gas tax increase in 20-years, and most recently, led the lobbying effort to reauthorize over \$2 billion in state funding for zero-emission infrastructure and zero-emission programs.



**Vajra Watson**, Senior Associate Vice-President, Placer Center, is a scholar-activist, and professor of educational leadership and racial justice in the College of Education at Sacramento State University, Sacramento. Watson has over twenty years of experience as a teacher, community organizer and researcher. She is the solo-author of two books, *Learning to Liberate: Community-Based Solutions to the Crisis in Urban Education* and *Transformative Schooling: Towards Racial Equity in Education*. She received her Doctorate in Administration, Planning, and Social Policy from the Graduate School of Education at Harvard University.



# Friday, June 14

## **ISA RESEARCH SESSIONS 2:30 pm—3:30 pm**

### **4A: Cognition and Behavior in Entrepreneurship & Innovation (I&E)**

**Room AIRC 1007**

Chair: Dian Yu (Northeastern University)

Emotional wellbeing: Understanding the role of entrepreneurs in AI-enabled machines

Amy Gresock\* and Kira Leck (University of Pittsburgh)

Communication factors that influence entrepreneurs' wellbeing: Memorable messages, and peak experiences

Cheng Wang\* and Ryan Fuller (Sacramento State)

When and What to Conform to: Product Framing Strategies in the U.S. Small Drone Market

Dian Yu\* (Northeastern University)

### **4B: Industry Emergence Evolution and Analysis (GIS)**

**Room AIRC 1009**

Chair: Almantas Palubinskas (EM-Lyon)

A New Dataset: Analyzing Public-company Industry Data from the SEC Financial Statement Dataset

Tim Olsen\* (Gonzaga University)

Towards a risk-based view of the firm: Presenting an industry classification system developed bottom-up by clustering firms sharing similar risk profiles

Anan Sheth\* (Cal Poly – San Luis Obispo)

Reactance and the Emergence of the Counter-Drone Industry

Almantas Palubinskas\* (EM-Lyon) and Grégoire Croidieu (Emlyon Business School),



# Friday, June 14

## 4C: Pushing the Boundaries in Biopharmaceutical Innovation (H)

Room AIRC 3004

Chair: Xinyu Liang (University of Michigan)

Transformation of The Biotechnology and Pharmaceutical Industry in Taiwan

Shih-Hsin Chen, Hung-Chi Chang, Wen-Hsin Chi, Yi-Ming Wang\* (National Yang Ming Chiao Tung University)

Brand-Name versus Generic Drugs: An Empirical Study on Health Outcomes of Generic Atorvastatin Usage

Xinyu Liang\*, Jun Li, and Ravi Anupindi (University of Michigan)

The Relative Effectiveness of Announced and Unannounced Inspections

Zachary Wright and John Gray\* (Ohio State), George Ball (Indiana U), In Joon Noh (Korea U)

Benchmarking Synthetic Biology Product Development

Robert Leachman\* (UC – Berkeley), Thomas Treynor (R2dio, Inc), and Taras Goral (UC – Berkeley)

## 4D: Modeling Approaches and Adaptation (EP&S)

Room AIRC 3009

Chair: Arkadiy Sakhartov (University of Illinois – Urbana-Champaign)

Exploring User Perceptions and Adoption Challenges in Electric Vehicle Technology

Zahra Aivazpour\* (Sacramento State) and Ramakrishna Dantu (Sacramento State)

Real Options in Oil Drilling: Added Returns versus Added Risk

Arkadiy Sakhartov\* (University of Illinois – Urbana-Champaign)

Where do we go from here? Muddling through business adaptation to climate change

Kerrigan Unter\* (University of St. Gallen) and Jorge Rivera (George Washington University)

A pathway toward low carbon economy: Exploring the influence of smart urbanization on green sustainability

Mohammad Tayyab Sohail\* (Xiangtan University)

## 4E: Integrating Environmental Justice into Sustainability Planning (EP&S)

Room TAH 1026

Moderator: Anna Larson (Sacramento State, Sacramento County Climate Emergency Mobilization Task Force (CEMTF))

Panelists:

Viviana Garcia (Environmental Justice, Sacramento County Climate Emergency Mobilization Task Force (CEMTF))

John Lundgren (Sustainability Manager, Sacramento County)

Shiloh Costello (SMUD)

Elizabeth Castillo (California State University, San Bernardino)

Kimberly Collins (California State University, San Bernardino)



# Friday, June 14

## 4F: China's Multi-Dimensional Advantage in Electric Vehicles (EP&S)

Room TAH 1007

Chair: Ram Ganeshan (William & Mary)

The Rise of Chinese Leadership in the Plug-In Electric Vehicle Industry  
John Helveston\* (George Washington University)

Technology and Production Choices in EV Battery Material Supply Chain  
Anthony Cheng\* (Carnegie-Mellon University)

Capabilities of Chinese OEMs in Battery Electric Vehicles: It's Not Just Industrial Policy  
John Helveston (George Washington University) and John Paul MacDuffie\* (Wharton)





Friday, June 14

3:45—4:45 pm

## Panelists' Bios

# Special Session | Pharmaceutical Supply Chains Challenges and Policy Solutions

The Biden Administration included pharmaceuticals as one of the four industries to focus on in 2021's "Executive Order on America's Supply Chains". There was also a congressionally mandated National Academies of Science, Engineering and Math (NASEM) report released in 2022 entitled "Building Resilience into the Nation's Medical Product Supply Chains." In spite of these efforts, drug shortages only seem to be increasing, recently reaching the highest levels in at least a decade. What is the problem? Why does this keep happening? What can be done? This plenary session will be moderated by incoming ISA president **John Gray**, who has studied pharmaceutical supply chains for years and recently finished a stint as a consultant at the White House working on this topic.



**Dr. Z. John Lu (UCLA)** is the director of the UCLA Seminar on Pharmaceutical Economics and Policy, the longest running seminar of its kind in the country, which has hosted hundreds of speakers from academia, industry, regulatory agencies and investment community. Dr. Lu has published extensively in pharmaceutical economics, including a recently published major policy book: *Pharmaceutical Economics and Policy: Perspectives, Promises, and Problems* (co-authored with the late UCLA Professor Stuart Schweitzer; Oxford University Press, 2018). Prior to joining academia, Dr. Lu was a health economist in the biopharmaceutical industry for two decades. He spent nearly 17 years at Amgen where he led an interdisciplinary team on economic evaluation, drug value demonstration, and pricing. He also provided advice to public policymakers.



**Dr. Kevin Schulman (Stanford)** is a Professor of Medicine, Clinical Excellence Research Center (CERC) at the Stanford University School of Medicine, and, by courtesy, Professor of Operations, Information and Technology at Stanford's Graduate School of Business. He is the Faculty Director of Stanford's new applied degree program, the Master of Science in Clinical Informatics Management program. Dr. Schulman is a health economist/health services researcher working at the intersection of business, medicine and technology. With over 500 publications, he has had a broad impact on several areas of health policy. He is a graduate of Dartmouth College, the New York University School of Medicine, and The Wharton Health Care Management Program. He is Board Certified in Internal Medicine, and practices hospital medicine at Stanford Hospital.



**Karen Van Nuys, PhD (University of Southern California)** is the executive director of the Value of Life Sciences Innovation program and a senior fellow at the USC Schaeffer Center for Health Policy and Economics. Her recent research focuses on the pharmaceutical distribution system and the impact of intermediaries' business practices on drug utilization and cost. Her work has been published in leading economics, medicine, finance and health policy journals, and cited in congressional testimony and policy reports. Dr. Van Nuys has worked across industry and academia, including as an assistant professor at the University of Rochester and national fellow at the Hoover Institution, and as a management consultant at Booz Allen Hamilton. She received her PhD in economics from Stanford.



# Friday, June 14

## NIGHT OUT IN OLD TOWN|DOCO — ENCOURAGED

Meet conference chair Darcy Fudge Kamal and depart sustainably from University and 65th Light Rail station (next to Hampton Inn and Suites CSUS) at 5:30 pm towards 8th & K or take an Uber/Lyft to DO-CO.

Prep: Youtube walking tour of DOCO <https://youtu.be/6ESviuxZn9M>

Walking tour of Old Town: <https://anytimetours.stqry.app/1/story/186158>

### Dinner Recommendations:

Old Town:

- Dine at the historic Firehouse Restaurant, built in 1853, and originally the home of the Sacramento No. 3 firehouse.

DOCO:

- Grange Restaurant and Bar. High-end bar & eatery with a lofty feel preparing a farm-to-fork menu & seasonal craft cocktails.
- Echo & Rig, modern American surf 'n' turf spot with a butcher on site, offering craft beer.
- Foundation Restaurant and Bar, minimalist bar & eatery serving locally sourced, sustainable American seafood & steak dishes.

### Bar Recommendations:

Old Town:

- Last Stop Saloon. Saloon style bar serving Old Sacramento ice cold beer and tasty cocktails with a focus on Mezcal and Tequila.
- Coin Op Game Room. Lively pub offering 40+ classic arcade games, a large beer selection & pizza by the slice or pie.

DOCO:

- Revival. Swanky poolside lounge on the roof of The Sawyer hotel overlooking the Golden 1 Center offering craft cocktails & gourmet bar bites.
- Balarín Cellars Winery, a tasting room in Sacramento, CA features award winning, single vineyard, Sonoma County wines.
- Fizz Champagne & Bubbles Bar, a sparkling wine bar featuring fizz from all over the world and small plates.
- Pete's Restaurant and Brewhouse, casual restaurant and bar with a wide menu and broad selection of beers, cocktails and wines.
- Topsy Putt, Beer-focused pub that features a unique & challenging indoor miniature-golf course.
- Punch Bowl Social, pub style food, drinks, and game space. Features include: 8 bowling lanes, VR, 2 bocce courts, shuffleboard, '80s arcade, billiards, giant scrabble, 2 karaoke rooms, bonzini, foosball, photo booth

\*\* Uber/Lyft back to campus from Old Town/DOCO\*\*



# Conference Program: Saturday, June 15

## ISA RESEARCH SESSIONS

8:00 am — 9:00 am

See Program Details, Mendocino Hall

## PLENARY | Sustainability and Wellbeing: A Dialogue Across Disciplines

9:15 am — 10:30 am

Alumni Center

## ISA RESEARCH SESSIONS

10:45 am — 11:45 am

See Program Details, Mendocino Hall

## LUNCH and ISA AWARDS CEREMONY

12:15 pm — 1:15 pm

Alumni Center

## CONFERENCE ADJOURNS

1:15 pm

**EXCURSION 3: FARM TO FORK OPTION A: GEIKKEKAN SAKE, FOLSOM | OPTION B: MCDONALD ISLAND FARM, ZUCKERMAN FAMILY FARMS, DELTA BLUEGRASS CO.**

**DEPART BY 1:30 pm—7:00pm**

# Saturday, June 15

## ISA RESEARCH SESSIONS 8:00 am—9:00 am

### 5A: Managerial Emotions and Incentives in Decision Making and Action (GIS)

**Room MND 1020**

Chair: Dhvani Badwaik (University of Rhode Island)

Firm-Specific Incentive Horizon: Evidence from Option Acceleration Decisions in the Technology and Precision Instrument Sectors

Dhvani Badwaik\* (University of Rhode Island) and David Souder (University of Connecticut)

The positive effect of freeriding

Dali Ma (Drexel) and Cheng Wang\* (Sacramento State)

Sensemaking as an emotional process: How managers make sense of an industrial strategy

Rooska Oinasmaa\*, Jarmo Taskinen, and Antti Sihvonen (University of Jyväskylä)

Banking on Psychological Ownership? – Stabilizing the Banking Industry Through Psychological Ownership of Executives

Franziska Renz\* (Sacramento State) and Julian U. N. Vogel (San Jose State University)

### 5B: The Innovation Process (I&E)

**Room MND 1022**

Chair: Raja Roy (New Jersey Institute of Technology)

Navigating Change: Insights for successful technology migration

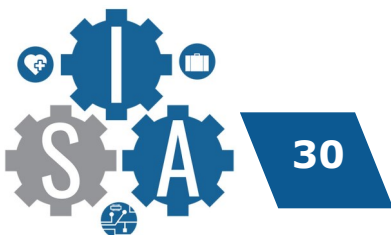
Yoonhee Choi\* and HoWook Shin (California State University, Long Beach)

Applying a Problem-Solving Perspective to Social Enterprise: Using Tesla as an Illustrative Case

Jenny Kuan\* (California State University, Monterey Bay) and John Tyler (Kauffman Foundation)

The process of designing the Martian helicopter Ingenuity

Raja Roy\* (New Jersey Institute of Technology), Rahul Kapoor (University of Pennsylvania), J. Bob Bataram (NASA Jet Propulsion Laboratory)



# Saturday, June 15

## **5C: Modeling Innovation Ecosystems: Systemic Approaches to the Governance of Science and Technology in the Emerging Sectors (I&E)**

**Room MND 1024**

Chair: Shih-Hsin Chen (NYCU)

Exploring the Roles of Physician-Engineers in the Digital Health Innovation Ecosystem

Jui-Yen Chen (NYCU)

Industrial Transformation of Smart Medical Device Innovation Ecosystem

Wen-Hsin Chi, Yi-Min Wang, and Shih-Hsin Chen (NYCU)

Towards Sustainable Science and Technology Governance: The Emergence of Green Technology Innovation Ecosystem in Taiwan

Hung-Chi Chang and Shih-Hsin Chen (NYCU)

Transformation of the Intelligent Technology Innovation Ecosystem

DuenKai Chen (Tamkang University), Shih-Hsin Chen (NYCU), and Hung-Chi Chang (NYCU)

Modeling the Transformation of Innovation Ecosystem in Emerging Sectors: A Comparative Analysis of Biotechnology, Intelligent Technology, and Green Technology

Shih-Hsin Chen, WenHsin Chi, Hung-Chi Chang, Yi-Min Wang, Jui-Yen Chen (NYCU)

## **5D: ESG driving Location choices (EP&S)**

**Room MND 1026**

Chair: Soni Jha\* (Purdue University – Fort Wayne)

Shifting landscapes: Impact of climate risk on MNEs' OFDI location decisions & the moderating role of network contingencies

Soni Jha\* (Purdue University – Fort Wayne)

The Global Sourcing of Green Products

Heather Berry\* (George Washington University), Jasmine Chauvin (Georgetown University), Yuxi Cheng (University of Liverpool)

Sustainable Entrepreneurship, Metastable Ecosystem

William Benton\* (Virginia Commonwealth University)

## **5E: Novel Research Methods in Determining Policy Outcomes (PPC)**

**Room MND 3009**

Chair: Bruno Kamdem (NYU)

Cash Transfers and Nutritional Wellbeing: A Brazilian Case Study Using Machine Learning and a Social Determinants Framework

Fernanda Araujo Maciel\* (Sacramento State)

Scrutinizing the Nexus: Digital Government Strategy, Natural Resources Rent and Climate Change Resilience

Shah Fahad (Jinan University)

An Ecological Model of Task Disruption: Partial Automation of Jobs Through Artificial Intelligence and its Workplace Impacts

Arvind Karunakaran\* (Stanford University), Matissa Hollister (McGill University), Lisa Cohen (McGill University)





Saturday, June 15

9:15—10:30 am

Panelists' Bios

## Plenary | Sustainability and Wellbeing: A Dialogue Across Disciplines

This plenary was inspired by Charles Corbett's 2023 article, "The Operations of Well-Being: An Operational Take on Happiness, Equity, and Sustainability." He wrote, "Life's meaning lies more in well-being than wealth..." where well-being includes individual happiness, group fairness, and societal sustainability. He explained how operations management impacts well-being through factors like productivity, predictability, and pollution control.

We wanted to pair Charles with a scholar from a different field to explore the link between sustainability and well-being. Emiliana Simon-Thomas from UC Berkeley's Greater Good Science Center is a perfect fit. Her research, based on neuroscience, delves into empathy's biological and psychological aspects. The Center's recent studies on "awe" connect empathy and compassion with the wonder of nature.

From the ISA perspective, we urge both individuals and organizations to rethink their impact on the world. Many current operations harm the environment, hinder efforts against climate change, and obstruct sustainability. Fatalism about making positive changes can stifle empathy and compassion. However, positive experiences in nature and proactive sustainability actions can create a virtuous cycle. This



**Moderator: Tonya Boone**, Life of Virginia Professor and Chair, Operations and Information Systems Management, Mason Business School, William & Mary University



**Charles Corbett**, Professor of Operations Management and Sustainability; IBM Chair in Management, UCLA; joint appointment at the UCLA Institute of the Environment and Sustainability. Corbett's research spans pioneering studies in environmental issues within operations and supply chains. His recent work, in collaboration with the CDP in London, focuses on analyzing the carbon footprint in global supply chains of large firms to identify opportunities for cleaner, more sustainable processes.



**Emiliana Simon-Thomas**, Science Director, Greater Good Science Center, UC-Berkeley. Simon-Thomas earned her doctorate in Cognition, Brain, and Behavior at UC Berkeley, focusing on how unpleasant emotions affect thinking and decision-making. She is an expert in the neuroscience and psychology of compassion, kindness, gratitude, and other prosocial skills that enhance human happiness. Her research connects health and happiness to social affiliation, caregiving, and collaborative relationships.

## ISA RESEARCH SESSIONS 10:45 am—11:45 am

### 6A: Location and Innovation (I&E)

Room MND 1020

Chair: Canberk Ucel (Bilkent University/INSEAD)

Not All “Best” Practices Are Created Equal: Access to Expert Knowledge and Practice Diffusion Among Smallholder Farmers in the Philippines

Canberk Ucel\* (Bilkent University/INSEAD) and Natalie Carlson (University of Pennsylvania)

Innovation in Mexico: Insights derived from Patent Data?

Claudia Gonzalez-Brambila\* (Instituto Tecnológico Autónomo de México), Ignacio Ponce and Silvia Gonzalez Brambila (Universidad Autónoma Metropolitana)

Ascribing Moral Motives: Examining Complementor Responses to Platform Governance Actions

Arvind Karunakaran\* (Stanford University) and Joey Van Angeren (Vrije Universiteit Amsterdam)

### 6B: Role of Knowledge and Technology Spillovers (I&E)

Room MND 1022

Chair: Danielle Bovenberg (Yale University)

Sharing Solutions without Spilling Secrets: The Role of Technicians in the Diffusion of Knowledge at Innovation Frontiers

Danielle Bovenberg\* (Yale University)

Spillover Effect of Technology Failures in Nascent Industries: LiDAR vs. Camera in Autonomous Vehicle Industry

Hee Yeul (Tom) Kwon\* (University of Southern California)

Demand-Driven Innovation and Spillover Effects on Adjacent Technological Domains: Evidence from Electric Vehicle Technologies

Jino Lu\* (University of Southern California)

Eoin O'Sullivan (University of Cambridge)

### 6C: Hornet Community Bus Tour: Forming Connected Community Partnerships for Livable Communities (GIS)

Room MND 1024

Chair: Darcy Fudge Kamal (Sacramento State)

Panelists:

Erin Rose Ellison (Sacramento State)

Patricia Parra (Health Education Council)

Bitá Rivas (Sacramento State)



# Saturday, June 15

## 6D: Organizing for Innovation (OSTM)

Room MND 1026

Chair: Jeff Shockley (Virginia Commonwealth University)

Open Devices and Slices: Evidence from Wi-Fi Equipment

Roberto Fontana\* (University of Pavia), Do Yoon Kim (Boston College),  
and Shane Greenstein (Harvard Business School)

Semiconductor innovation portfolio management as a vehicle to next generation digitalization

Satu Lipponin\* and Timo Seppälä (Aalto University)

Designing operations models to manage the customer-service system life-cycle: An analysis of service sustainment in the installment loan industry

Jeff Shockley\* (Virginia Commonwealth University), Tobin Turner (Presbyterian College), Siaojin Liu, Jeffery S. Smith, and Brett J. Massimino (Virginia Commonwealth University)

## 6E: Industrial policy: transformative strategies or not? (PPC)

Room MND 3009

Chair: Seth Pipkin (UC-Irvine)

Who Gets to 'Build Back Better'? How Local Elites Secure Federal Resources

Seth Pipkin (UC-Irvine)\*

Unpacking the "Expat Gap": Why and How Local Entrepreneurs Nonetheless Persist in Developing Countries' Moral Markets

Diana Jue-Rajasingh\* (Rice University)

Facing the European Crisis: Sustainable Growth, Innovation, and Power in a Shifting Global Economy

Angela Garcia Calvo\* (University of Reading)



# Saturday, June 15

## ISA AWARDS CEREMONY LUNCHEON

12:15 pm — 1:15 pm

Alumni Center

Sessions Conclude at 1:15 pm

### EXCURSION 3: FARM TO FORK (PRE-REGISTRATION REQUIRED)

1:30 pm — 7:00 pm

Option A: Geikkekan Sake 2:00 pm arrival, depart by 5:00 pm  
Take Uber or Lyft to Geikkekan Sake, 1136 Sibley St. Folsom, CA

Recommended Pre-Reading:

Geikkekan Bio-ethanol: [https://www.japanfs.org/en/news/archives/news\\_id027115.html](https://www.japanfs.org/en/news/archives/news_id027115.html)

Center for Sacramento History—Japanese Americans: <https://shorturl.at/5N3nA>

Sac State Library Japanese American Archival Collection: <https://library.csus.edu/japanese-american-archival-collection>

The original Gekkeikan brewery in Fushimi, Japan was built in the 1600s. Folsom, CA claims the only other Gekkeikan brewery in the world (est. 1989), because of the quality rice grown in the area and the access to spring water from the mountains.

We will learn about the process of making sake and the different flavors and profiles created by the polish of the rice and use of yeast/koji. In addition, we will have the opportunity to taste the Folsom-brewed sake in comparison with imported Gekkeikan sakes and experimental batches. The lovely Japanese garden will welcome us before and after the tasting room visit.



# Saturday, June 15

## EXCURSION 3: FARM TO FORK (PRE-REGISTRATION REQUIRED)

1:30 pm — 7:00 pm

Option B: McDonald Island, Zuckerman Family Farms, Delta Bluegrass Co. Depart by Bus

There is a lot happening in the Stockton Island Farm region. On this tour you will be 20 feet below sea-level on the richest farm land in California's massive agricultural central valley. The farms are protected in the delta through an extensive system of levees and water engineering. You will see PG&E's largest natural gas facility, drought-resistant sod varieties and harvesting, carbon capture through aquatic grasses, duck conservation, and hunting at the duck club, potato processing and packing using lasers, and drink private wine harvested in this important wine-region featuring the most terroirs in the world.

Recommended Pre-Reading: PPIC Delta: <https://www.ppic.org/search/?q=delta>

<https://visitcadelta.com/stories/>

<https://www.watereducation.org/aquapedia/sacramento-san-joaquin-delta-chronology>

[https://cawaterlibrary.net/wp-content/uploads/2017/04/DPC\\_Delta\\_Narratives\\_Garone.pdf](https://cawaterlibrary.net/wp-content/uploads/2017/04/DPC_Delta_Narratives_Garone.pdf)



## Staying the weekend?

- California Railroad Museum—<https://www.californiarailroad.museum/>
- Crocker Art Museum (oldest art museum in America's west) - <https://www.crockerart.org/>
- Sac Republic FC vs. Oakland—<https://www.sacrepublicfc.com/schedule/>
- Farm to Fork Itineraries—<https://www.farmtofork.com/visiting/>
- Farmers Markets—<https://www.visitsacramento.com/blog/stories/post/sacramento-farmers-markets/>
- B-Street Theater-<https://bstreettheatre.org/mainstage/the-newlywed-game/>
- Sac State Planetarium—<https://www.csus.edu/administration-business-affairs/hornet-tickets/planetarium.html>
- Sac State Aquatic Center—<https://www.sacstateaquaticcenter.com/>
- Oak Park Walking Tour (by Sac State's Geography Department): <https://www.centerforsacramentohistory.org/exhibits-programs/oak-park-walking-tour>
- California State Parks Week—<https://castateparksweek.org/event-finder/#care-for-our-shared-lands>
- Sacramento Juneteenth Festival and Events—<https://sacramentojuneteenthinc.com/>





# Technology Information

**Presenters:** Access Information for Classroom Computers:

Username: cba-01

Password: Pinklimepie007

**Technology Support** (Thursday and Friday): [bingelj@csus.edu](mailto:bingelj@csus.edu)

Saturday: IRT servicedesk@csus.edu

## WIFI INFORMATION

We are an Eduroam campus—you should be able to access wifi if your campus also uses Eduroam.

### SacLink

Our campus guest network. Connect through the Sac State Guest login: <https://wireless.webhost.csus.edu/>

Can also be used for legacy devices that can't connect to eduroam (such as gaming consoles, TV's, Alexa, etc.).



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