Compete.
Council on Competitiveness

UC DAVIS
UNIVERSITY OF CALIFORNIA

National Commission on Innovation & Competitiveness Frontiers

Phase 2 Launch Summit

Event Book

March 27 & 28, 2023
Davis, CA


UCDAVIS

Table of Contents

Agenda

The UC Davis Activities and Recreation Center (ARC) is the primary venue for the Phase 2 Launch Summit. Unless otherwise noted, all activities will be held there. Please check the Logistics section in the back for the staggered shuttle schedules.

MONDAY, MARCH 27, MORNING

8:00 Registration

Location: Outside Ballroom A

8:15 Welcome & Painting the Picture of Davis and the California Innovation System

Location: Ballroom A

An opening conversation to set the stage for the Summit, focused on the distinctiveness of the local "geography of innovation"

Dr. Gary S. May
Chancellor, University of California, Davis

Dr. Kim A. Wilcox
Chancellor, University of California, Riverside

Moderator
The Honorable Deborah L. Wince-Smith
President & CEO, Council on Competitiveness

8:45 Paving the Path to 10X Innovation—Lessons from the National Commission on Innovation and Competitiveness Frontiers

Location: Ballroom A

National Commissioners will discuss the Council's policy agenda against the backdrop of major challenges and tremendous opportunities facing the United States due to persistent inflation, energy disruptions, game changing technologies, and a renewed focus on expanding and deepening the innovation ecosystem.

Dr. Steven F. Ashby
Director, Pacific Northwest National Laboratory

Mr. Paul P. Skoutelas
President and CEO, American Public Transport Association

Dr. Elisa Stephens
President, Academy of Arts University

The Honorable Deborah L. Wince-Smith
President & CEO, Council on Competitiveness

Moderator
Mr. Chad Evans
Executive Vice President, Council on Competitiveness

9:30 Keynote—Charting the Path: Energy Security and a Net Zero Economy

Location: Ballroom A

The Honorable Paul Monks
Chief Scientific Advisor, Department for Energy Security and Net Zero, the United Kingdom

Charting the Competitiveness Agenda for 2023 Leadership Conversations on Innovation and Sustainability

A series of plenary panels will explore key productivity and prosperity drivers, and anticipate issues for the National Commission's 2023 agenda.

9:50 The Future of Sustainability: Driving Leadership in the Path to a Zero Carbon Economy

Location: Ballroom A

Mr. William H. Bohnett
President, Whitecap Investment

Dr. Todd Combs
Associate Director of Energy and Environment, Idaho National Laboratory

Dr. Helene R. Dillard
Dean, College of Agriculture and Environmental Science, University of California, Davis

The Honorable Paul Monks
Chief Scientific Advisor, Department for Energy Security and Net Zero, the United Kingdom

Dr. Cooper Rinzler
Senior Partner, Breakthrough Energy Ventures

Moderator
Dr. Cindy Powell
Chief Science & Technology Officer, Energy and Environment, Pacific Northwest National Laboratory

10:30 The Future of Innovation—Developing and Deploying Technology at Speed and Scale

Location: Ballroom A

Dr. Valerie M. Browning
Vice President for Research and Technology, Corporate Technology Office, Lockheed Martin

Dr. Andre W. Marshall
Vice President of Research, Innovation, Economic Impact, George Mason University

Dr. Thomas Mason
Laboratory Director, Los Alamos National Laboratory

Dr. Sally C. Morton
Executive Vice President, Knowledge Enterprise, Arizona State University

Dr. Joseph J. Pancrazio
Vice President of Research and Innovation, University of Texas at Dallas

Moderator
Dr. Albert P. Pisano
Dean and Walter J. Zable Distinguished Professor, Jacobs School of Engineering, University of California, San Diego

11:10 Break

11:20 The Future of Innovation—Cutting-Edge Tech and Over-the-Horizon Opportunities

Location: Ballroom A

The Honorable Patricia Falcone
Deputy Director for Science and Technology, Lawrence Livermore National Laboratory

Dr. Tommy Gardner
Chief Technology Officer, HP Federal, HP Inc.

Mr. Tom Mildenhall
Global Head of Technology Partnership Development, Bank of America

Dr. Padma Raghavan
Vice Provost for Research and Innovation, Vanderbilt University

Ms. Mary Ellen Wiederwohl
President and CEO, Accelerator for America

Moderator
Mr. Chad Evans
Executive Vice President, Council on Competitiveness

MONDAY, MARCH 27, AFTERNOON

12:15 Lunch

Location: Buffet outside of Ballroom A—with multiple seating options (Ballroom B; outdoor courtyard; etc.)

1:15 Break and Return to Plenary

1:30 Keynote—A New Era for Place-Based Investments

Location: Ballroom A

The Honorable Jed Kolko
Under Secretary of Commerce for Economic Affairs, U.S. Department of Commerce

Introduction
Mr. Chad Evans
Executive Vice President, Council on Competitiveness

2:00 Expanding Place-based Innovation and Opportunity

Location: Ballroom A

Mr. Chris Folk
Director, Strategic Partnerships
The MITRE Corporation

Dr. Suresh V. Garimella
President, University of Vermont

Dr. David A. Greene
President, Colby College

Dr. Shashank Priya
Vice President for Research, University of Minnesota

Dr. Ed Seidel
President, University of Wyoming

Moderator
Mr. Josh Parker
Chairman and CEO, Ancora L&G

2:40 Expanding Participation in the Innovation Ecosystem—Bringing in the "Missing Millions"

Location: Ballroom A

Maj. Gen. Ed Bolton (retired)
Senior Advisor, Diversity, Equity, and Inclusion, The Aerospace Corporation

Dr. Robert E. Johnson
President, Western New England University

Dr. Elizabeth G. Loboa
Provost, Southern Methodist University

Moderator
Ms. Van Ton-Quinlivan
CEO, Futuro Health

3:20 Break and Transition to Working Groups

3:50 Setting the Stage for Phase 2 National Commission Working Groups

Summit participants break out into a series of four parallel sessions—each of which serves as the kick-off conversation for the National Commission's 2023-2024 policy-generating Working Groups. This session sets the stage for a progressive conversation that will continue in Day 2 of the Summit.

Working Group 1: The Future of Sustainability—Accelerating Innovation in Clean Energy Technology

Location: Meeting Room 3

Moderator
Mr. John Thompson
Technology and Markets Director, Clean Air Task Force

Kick-off Discussant
Dr. Karma Sawyer
Director, Electricity Infrastructure and Buildings Division
Pacific Northwest National Laboratory

Rapporteur
Mr. Bill Bates
Senior Advisor, Council on Competitiveness

Working Group 2: The Future of Technology—Developing and Deploying Disruptive Technologies at Speed and Scale

Location: Ballroom B

Moderator
Ms. Adriana Kuiper
Associate Vice President of Strategy, ASU Knowledge Enterprise
Arizona State University

Kick-off Discussant
Dr. Jerry C. Blazey
Vice President for Research and Innovation Partnerships, Northern Illinois University

Kick-off Discussant
Ms. Jaclyn L. Shaw
Interim Vice President for Research, Economic Development and Knowledge Enterprise, University of Texas at San Antonio

Rapporteur
Mr. Wesley Brown
Senior Analyst, Keybridge

Working Group 3: The Future of Work: Developing, Supporting, and Expanding the Modern Innovation Workforce

Location: Meeting Room 1

Moderator
Ms. Hope Morrow
Labor Economist, Workforce Development, Regional Community Engagement, Idaho National Laboratory

Kick-off Discussant
Dr. Bill Pike
Chief Science and Technology Officer, Pacific Northwest National Laboratory

Dr. Willie E. May
Vice President, Research and Economic Development, Morgan State University

Rapporteur
Ms. Megan Yeh
Senior Associate, Keybridge

Working Group 4: The Future of Place-Based Innovation—Broadening and Deepening the U.S. Innovation Ecosystem

Location: Meeting Room 2

Moderator
Mr. Mike Freeman
CEO & General Partner, Innosphere Ventures

Kick-off Discussant
Dr. Melanie Roberts
Director, State and Regional Affairs, Pacific Northwest National Laboratory

Kick-off Discussant
Dr. H. Rao Unnava
Michael and Joelle Hurlston Dean, University of California, Davis Graduate School of Management

Rapporteur
Ms. Yasmin Hilpert
Senior Policy Director, Council on Competitiveness

5:00 Working Groups Wrap—Return to Plenary

Location: Ballroom A

5:15 Day 1 Wrap Up—and Transition to Reception and Dinner

Location: Ballroom A

The Honorable Deborah L. Wince-Smith
President & CEO, Council on Competitiveness

5:30 Shuttle Transfer to Dinner Location

Summit participants will leave Ballroom A and gather around the registration desk, where Council and UC Davis teams will guide them to shuttles for transport to the reception and dinner location, the Mondavi Center for Performing Arts.

Participants can also walk to the Mondavi Center. Please see the walking route map on page 59.

Please note: If you drove to the Summit, you may either (1) move your car from the ARC to the Mondavi Center and park in either of the two lots listed on page 58 (about 6min away from the dinner venue), or (2) you can take the shuttle from the ARC to the Mondavi Center, and after dinner, take the shuttle back to the ARC to retrieve your car.

6:00 Summit Reception

Location:
The Mondavi Center for Performing Arts–Vanderhoef Studio Theatre
523 Mrak Hall Drive
Davis, CA 95616

6:30 Fireside Chat

Dr. Gary S. May
Chancellor, University of California, Davis

Dr. Justin B. Siegel
Associate Professor of Chemistry, Biochemistry & Molecular Medicine; Faculty Director, UC Davis Innovation Institute for Food and Health

7:00 Chancellor's Dinner

8:00 Conclusion of Dinner and Day 1

A shuttle will take participants from the dinner venue back to the hotels, with a stop at the ARC for any participants who need to pick up their cars. Check the shuttle schedule on page 55 for more details.

TUESDAY, MARCH 28, MORNING

Please check the Logistics section in the back for the staggered shuttle schedules.

8:30 Registration

Location: Outside Ballroom A

9:00 Welcome & Reflections / Re-Cap of Day 1 and Charge for Day 2

Location: Ballroom A

Summit co-hosts share top take-aways from Day 1—and challenge participants to cover issues remaining "on the table."

Dr. Gary S. May
Chancellor, University of California, Davis

The Honorable Deborah L. Wince-Smith
President & CEO, Council on Competitiveness

9:15 Beyond 10x Innovation—Next Steps for the National Commission on Innovation and Competitiveness Frontiers

Location: Ballroom A

Leaders will discuss over-the-horizon issues for the National Commission to address—preparing the Council's next policy agenda.

The Honorable Sandy K. Baruah
President and CEO, Detroit Regional Chamber

Dr. Tomás Díaz de la Rubia
Vice President for Research and Partnerships, The University of Oklahoma

Ms. Joan T.A. Gabel, JD
President, University of Minnesota, and Vice Chair for Academia, Council on Competitiveness

Dr. José-Marie Griffiths
President, Dakota State University

Mr. Andrew Thompson
Managing Director and Co-Founder, Spring Ridge Ventures

Moderator
The Honorable Deborah L. Wince-Smith
President & CEO, Council on Competitiveness

10:00 Innovation Snapshots

A rapid-fire take on future trends at the heart of America's productivity and inclusive prosperity potential.

10:00 The Future of Disruptive Technology

Location: Ballroom A

Dr. Thomas A. Campbell
Co-Director, LEAP Manufacturing, and Senior Fellow, Council on Competitiveness

10:10 The Mass-Customization Revolution and Agile Manufacturing: A Future for Blockchains

Location: Ballroom A

Dr. Ali Nejadmalayeri
John A. Guthrie Endowed Chair in Banking and Financial Services, University of Wyoming

10:20 The Future of Sustainability—Climate Change is the Innovation Megatrend

Location: Ballroom A

Dr. Cooper Rinzler
Senior Partner, Breakthrough Energy Ventures

10:30 The Future of Education

Location: Ballroom A

Mr. Roy Mathew
Principal, National Practice Leader for Higher Education, Deloitte US

10:40 Break

Please note: Participants will grab lunch on-the-go and take to their assigned Working Groups (check the back of your name tag to find out to which Working Group you have been assigned.)

11:00 Transition to Working Groups—Day 2

Setting the Stage for Phase 2 National Commission Working Groups

Summit participants break out into a series of four parallel sessions—each of which serves as the kick-off conversation for the National Commission's 2023-2024 policy-generating Working Groups. This session—which includes a working lunch—builds on the conversations started in Day 1—and will frame conversations to come after the Davis Summit.

Working Group 1: The Future of Sustainability—Accelerating Innovation in Clean Energy Technology

Location: Meeting Room 3

Moderator
Mr. John Thompson
Technology and Markets Director, Clean Air Task Force

Rapporteur
Mr. Bill Bates
Senior Advisor, Council on Competitiveness

Working Group 2: The Future of Technology—Developing and Deploying Disruptive Technologies at Speed and Scale

Location: Ballroom B

Moderator
Dr. Thomas A. Campbell
Co-Director, LEAP Manufacturing, and Senior Fellow, Council on Competitiveness

Rapporteur
Mr. Wesley Brown
Senior Analyst, Keybridge

Working Group 3: The Future of Work: Developing, Supporting, and Expanding the Modern Innovation Workforce

Location: Meeting Room 1

Moderator
Ms. Hope Morrow
Labor Economist, Workforce Development, Regional Community Engagement, Idaho National Laboratory

Rapporteur
Ms. Megan Yeh
Senior Associate, Keybridge

Working Group 4: The Future of Place-Based Innovation—Broadening and Deepening the U.S. Innovation Ecosystem

Location: Meeting Room 2

Moderator
Mr. Mike Freeman
CEO & General Partner, Innosphere Ventures

Rapporteur
Ms. Yasmin Hilpert
Senior Policy Director, Council on Competitiveness

TUESDAY, MARCH 28, AFTERNOON

1:00 Break

1:30 Innovation Immersion Tours at UC Davis

Guidance: Wear comfortable walking shoes

Summit participants will gather near the registration desk outside of Ballroom A. Each participant will need to decide which tour they want to take. Please review full details regarding the innovation immersion options on page 58.

Once chosen, Council and UC Davis team members will guide participants to the appropriate shuttles.

Innovation Immersion Option 1

Known for its world-renowned programs in agriculture, viticulture, and enology, UC Davis is also making waves in the food and wine space with campus innovations that are shaping the industry. From developing new techniques for wine-making to creating sustainable and nutritious food options, UC Davis is leading the way in food and wine research. Explore some of the University's centers that are accelerating and driving food and agriculture innovation.

Innovation Immersion Option 2

UC Davis is home to a thriving engineering program that is constantly pushing the boundaries of innovation. From cutting-edge research to practical solutions that impact society, UC Davis engineers are making a difference in the world.

Get a glimpse into the many ways in which UC Davis engineers are making real-world impact and solving some of the challenges facing us in the years to come:

3:00 Return to Plenary and Summit Wrap

Location: Ballroom A

Following the Innovation Immersion Tours, Summit participants will shuttle back to the ARC for concluding remarks from the Summit hosts.

Mr. Chad Evans
Executive Vice President, Council on Competitiveness

The Honorable Deborah L. Wince-Smith
President & CEO, Council on Competitiveness

Dr. Gary S. May
Chancellor, University of California, Davis

Participants

CO-HOSTS

Dr. Gary May
Chancellor
UC Davis
National Commissioner

The Hon. Deborah L. Wince-Smith
President & CEO
Council on Competitiveness,
National Commission Co-Chair

KEY NOTE SPEAKERS

The Hon. Jed Kolko
Under Secretary for Economic Affairs
U.S. Department of Commerce

The Hon. Paul Monks
Chief Scientific Advisor
United Kingdom Department for Energy Security and Net Zero

COC BOARD / EXECUTIVE COMMITTEE / NATIONAL COMMISSION LEADERSHIP

Dr. Steven Ashby
Director
Pacific Northwest National Laboratory
National Commissioner

Mr. William Bohnett
President
Whitecap Investment
Executive Committee Member

Mr. Chad Evans
Executive Vice President & Secretary to the Board
Council on Competitiveness

The Hon. Patricia Falcone
Deputy Director for Science and Technology
Lawrence Livermore National Laboratory
National Commissioner

Ms. Joan Gabel, CoC Academic Vice-Chair
President
University of Minnesota
National Commissioner

Dr. Suresh Garimella
President
University of Vermont
Executive Committee Member

Dr. Robert Johnson
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Western New England University
National Commissioner

Dr. Thomas Mason
Laboratory Director
Los Alamos National Laboratory
National Commission Co-Chair

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Chairman & CEO
Ancora L&G
National Commissioner

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President
University of Wyoming
National Commissioner

Mr. Paul P. Skoutelas
President and CEO
American Public Transport Association
National Commissioner

Ms. Elisa Stephens
President
Academy of Arts University
National Commissioner

Dr. Kim Wilcox
Chancellor
University of California, Riverside
National Commissioner

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Detroit Regional Chamber

Dr. Jerry Blazey
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Northern Illinois University

Dr. Sarah Bohn
Vice President of Research
Public Policy Institute of California

Maj. Gen. Ed Bolton
Senior Advisor, Diversity, Equity and Inclusion
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Senior Analyst
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Mr. Mike Child
Senior Advisor
TA Associates

Dr. Parag Chitnis
VP for Research and Economic Development
University of Wyoming

Mr. Raul Colon
VP-Env Social and Governance
Snap-on Incorporated

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Associate Director of Energy and Environment
Idaho National Lab

Dr. Richard Corsi
Dean, UC Davis College of Engineering
UC Davis

Ms. Dona Crawford
Board Chair
Lawrence Livermore National Laboratory Foundation

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Vice President for Research and Partnerships
University of Oklahoma

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Senior Director, College of Engineering
Boise State University

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University of California, Davis

Mr. Karl Engelbach
Associate Chancellor/Chief of Staff
UC Davis

Mr. Steve Farkas
Associate Vice President
University of Wyoming

Mr. Chris Folk
Director, Strategic Partnerships
The MITRE Corporation

Dr. Lisa Foss
Executive Director
AGB Council on Higher Education as a Strategic Asset

Mr. Mike Freeman
CEO & General Partner
Innosphere Ventures

Ms. Erin Garcia
Communications Manager
UC Davis

Dr. Tommy Gardner
Chief Technology Officer, HP Federal
HP Inc.

Dr. Jeffery Gibeling
Interim Vice Chancellor for Research
UC Davis

Mr. Darryl Goss
Former CEO
Inform Diagnostics, Inc.

Dr. David Greene
President
Colby College

Dr. José-Marie Griffiths
President
Dakota State University

Dr. Jennifer Herbert
Private Secretary to the Chief Scientific Adviser
UK Department for Energy Security and Net Zero

Dr. Lori Kletzer
Campus Provost and Executive Vice Chancellor
UC Santa Cruz

Ms. Adriana Kuiper
Associate Vice President of Strategy, ASU Knowledge Enterprise
Arizona State University

Mr. Cameron Law
Executive Director
Carlsen Center for Innovation & Entrepreneurship at Sacramento State

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Professor, Mechanical and Biomedical Engineering
Boise State University

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Provost
Southern Methodist University

Prof. John Marx
Vice Provost, Aggie Square
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Sandia National Laboratories

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Associate Vice President for Innovation and Economic Development
University of Texas San Antonio

Ms. Andrea Margida
President
TechGrit

Dr. Anthony Margida
Co-Founder and Executive Director
Centre College / CentreWorks

Dr. Andre Marshall
VP of Research, Innovation, Economic Impact
George Mason University

Mr. Roy Mathew
Principal, National Practice Leader for Higher Education
Deloitte US

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Morgan State University

Ms. Julie Meier-Wright
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Council on Competitiveness

General John Michel
Co-Founder & CEO
Skyworks Aeronautics

Mr. Tom Mildenhall
Global head of Technology Partnership Development
Bank of America

Ms. Hope Morrow
Labor Economist | Workforce Development, Regional & Community Engagement
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Associate Vice Chancellor/CHRO
University of California, Riverside

Mr. Rob Neely
Program Director, Weapon Simulation and Computing
Lawrence Livermore National Laboratory

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Office of Research and Economic Development
Adjunct Faculty Chemical and Environmental Engineering
University of California of Riverside

Dr. Joseph Pancrazio
VP of Research and Innovation
University of Texas at Dallas

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Pacific Northwest National Laboratory

Dr. Albert Pisano
Dean and Walter J. Zable Distinguish Professor, Jacobs School of Engineering
UC San Diego

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Los Alamos National Laboratory

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Vanderbilt University

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Executive Director, J. Orin Edson Entrepreneurship—Innovation Institute
Arizona State University

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Partner
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Dr. Clare Shinnerl
Vice Chancellor, Finance, Operations & Administration
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Ms. Kathie Sowa
Member, UC Davis Chancellor's Board of Advisors;
Retired President, Greater Sacramento Region
Bank of America retired

Ms. Sabrina Steele
Executive Director: Corporate Communications
The Aerospace Corporation

Dr. Frederick Streitz
Chief Computational Scientist
Lawrence Livermore National Laboratory

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Senior Advisor
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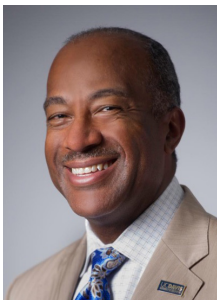
Ms. Yasmin Hilpert
Senior Policy Director
Council on Competitiveness

Speaker Bios

Quicklinks to Summit Speaker Bios

Summit Co-Hosts

Dr. Gary S. May
Chancellor
University of California, Davis



Chancellor Gary S. May is a highly engaged leader with a passion for helping others succeed. He believes success is best judged by how we enhance the lives of others.

Throughout his career, he's championed diversity, equity and inclusion in both higher education and the workplace. He developed nationally recognized programs that attract, mentor and retain underrepresented groups in the STEM fields of science, technology, engineering and math. In 2015, President Obama honored him with the Presidential Award for Excellence in STEM Mentoring.

May earned his master's and Ph.D. degrees in electrical engineering and computer science at UC Berkeley. He was inducted to the National Academy of Engineering in 2018. In 2020, May was elected to the American Academy of Arts and Sciences under the classification of "educational and academic leadership." In 2021, May was awarded a Lifetime Mentor Award from the American Association for the Advancement of Science and an honorary doctorate from the Georgia Institute of Technology.

A prominent voice in higher education, May is a Commissioner of the Council on Competitiveness and other national committees.

His vision as UC Davis' seventh chancellor is to lead the university to new heights in academic excellence, inclusion, public service and upward mobility for students from all backgrounds.

The Honorable Deborah L. Wince-Smith
President & CEO
Council on Competitiveness

The Honorable Deborah L. Wince-Smith is the President & CEO of the Council on Competitiveness, a non-partisan leadership coalition of CEO's, University Presidents, Labor Union Leaders, and National Laboratory Directors, all committed to developing policy solutions and national initiatives to drive future productivity growth, prosperity for all Americans, and the global success of American business. She has more than 20 years of experience as a senior U.S. government official, as the first Senate-confirmed Assistant Secretary for Technology Policy in the U.S. Department of Commerce in the Administration of President George H.W. Bush, and as the Assistant Director for International Affairs in the White House Office of Science and Technology Policy in the Reagan Administration. She served as a Senate con-

firmed member of the Oversight Board of the Internal Revenue Service in the Administrations of President George W. Bush and President Barack H. Obama.

As a globally recognized leader and practitioner in competitiveness strategy, innovation policy, technology commercialization, and public-private partnerships, Ms. Wince-Smith has served and is a current member on numerous national and global advisory boards and committees, as a University Trustee, and as a director on public and private corporate boards.

She has served on the University of California's President Council for the National Laboratories, the Board of Governors of Argonne National Laboratory, the US Naval Academy Foundation, the Smithsonian National Board, as a Trustee of Lehigh University, member of the Advisory Committee of the US Export-Import Bank, UNICEF, the Secretary of State's International Economic Policy Committee, as Chair of the Secretary of Commerce's Strengthening America's Communities Initiative (SACI) , Chair of the World Economic Forum's Global Agenda Council on Competitiveness, member of Malaysia's Global Science and Innovation Advisory Council (GSIAC), and as a Corporate Director of NASDAQ-OMX.

Currently, Ms. Wince-Smith serves as a Commissioner on the Council on Competitiveness National Commission on Innovation and Competitiveness Frontiers, the National Commission of the Theft of American Intellectual Property, a Council Member of the Japan Science, Technology, and Society Forum (STS), as a member of the Global Advisory Committees of the Japan Science and Technology Agency (JST) and the Delphi Economic Forum (DEF), the National Academies Strategic Council on Research Excellence, Integrity, and Trust, as Vice-Chair of the Trustees of the American College of Greece (ACG), the Strategic Research Advisory Committee of the University of Oklahoma, the advisory committee of Queen's Management School, Queen's University Belfast, and as a Director of private technology companies in medical lasers, cybersecurity, and bio-therapeutics.

Born in Akron, Ohio, Ms. Wince-Smith graduated Valedictorian from Old Trail School. Ms. Wince-Smith graduated magna cum laude and Phi Beta Kappa from Vassar College and earned a master's degree in Classical Archaeology from King's College, Cambridge University. She has received Honorary Doctorates from Michigan State University, the University of Toledo, the Queens University Belfast, Worcester Polytechnic Institute, and the University of South Carolina.

Summit Speakers

Dr. Steven F. Ashby
Director
Pacific Northwest National Laboratory

Dr. Steven F. Ashby is Director of the Department of Energy's Pacific Northwest National Laboratory, where he sets PNNL's strategic direction and oversees its $1.4 billion R&D budget. Under his leadership, PNNL's nearly 6,000 talented staff members draw on signature capabilities in chemistry, Earth sciences, biology, and data science to advance scientific discovery, enable energy sustainability, and enhance national security.

Dr. Ashby previously served as PNNL's Deputy Director for Science and Technology. Prior to joining PNNL, he spent nearly 21 years at Lawrence Livermore National Laboratory, where he founded the Center for Applied Scientific Computing and served in several leadership positions, ultimately serving as Deputy Principal Associate Director for Science and Technology.

A widely recognized leader in computational science, Dr. Ashby is a Fellow of the American Association for the Advancement of Science and the Society for Industrial and Applied Mathematics; member of the Washington State Academy of Sciences; Commissioner for the U.S. Council on Competitiveness; and serves on advisory committees for local and state organizations, including the Washington Roundtable. He earned his M.S. and Ph.D. in Computer Science from the University of Illinois Urbana-Champaign.

The Honorable Sandy K. Baruah
President and CEO
Detroit Regional Chamber

The Honorable Sandy K. Baruah is president and CEO of the Detroit Regional Chamber, the third largest chamber of commerce in the nation. The Chamber represents the business interests of a region comprising 5.4 million residents and 11 Fortune 500 companies. The Chamber also executes the statewide automotive and mobility cluster association, MICHauto, and hosts the nationally recognized Mackinac Policy Conference. Additionally, the Chamber leads the most comprehensive education and talent strategy in the state.

Baruah joined the Chamber in 2010 after a distinguished career in Washington, D.C. He served President George W. Bush as administrator of the U.S. Small Business Administration (SBA). In this role, he was the chief executive responsible for the SBA's 4,000 national employees and $18 billion small business loan portfolio. Baruah was one of the senior officials shaping the federal government's response to the 2008 credit crisis and assistance to the U.S. automotive industry.

Prior to leading the SBA, Baruah served as U.S. Assistant Secretary of Commerce. In this role, he was responsible for the U.S. Economic Development Administration (EDA), served as the senior advisor to the Secretary of Commerce for the 2010 Census, and represented the U.S. government before the Organization for Economic Cooperation and Development (OECD) in Paris, France.

Before serving President George W. Bush, Baruah was a corporate mergers and acquisitions consultant for the Performance Consulting Group and served both President George H. W. Bush and U.S. Sen. Bob Packwood. After leaving government service in 2009, he was a Distinguished Fellow at the U.S. Council on Competitiveness, a Washington-based think tank focused on economic competitiveness policy.

Baruah earned his Bachelor of Science from the University of Oregon and a Master of Business Administration from Willamette University. Baruah serves on the boards of the Federal Reserve Bank of Chicago, U.S. Council on Competitiveness, Automotive Hall of Fame, and Detroit Economic Club, among others. He is a contributor to Harvard Business School's U.S. Competitiveness Project, a Leadership Circle member of the George W. Bush Presidential Center in Dallas, Texas, and chairs the Great Lakes Metro Chambers Coalition. He is also a former Advisory Board Member of Spain's Institute on Competitiveness.

In 2016, Gov. Rick Snyder appointed Baruah as Chair of Michigan's 21st Century Economy Commission. He is a frequent commentator on local and national media regarding political developments, automotive industry matters, and Detroit and Michigan issues.

Sandy and Lisa Baruah have one son, live in a household run by the family pets, and previously lived in Portland, Oregon and Washington, D.C.

Mr. Bill Bates
Senior Advisor
Council on Competitiveness

Bill Bates is a Senior Advisor to the Council on Competitiveness. He was previously an Executive Vice President with the Council and the founding Executive Director of the Global Federation of Competitiveness Councils. He has led multi-year initiatives to explore the economic opportunity for advanced manufacturing in the United States and the development of a national cyber security agenda. Bill was also the chief architect of the Council's National Competitiveness Forum (NCF), the annual C-suite conversation that sets a pro-growth agenda for the U.S. policymakers. He is a frequent speaker both nationally and internationally on a range of competitiveness and innovation topics from education to technology policy to advanced manufacturing.

Since 2019, Bill has led the Council's University Leadership Forum to draw greater attention to higher education's role in U.S. competitiveness from leadership in game changing technologies to the development of the next generation of entrepreneurs.

As the first Executive Director of the Global Federation of Competitiveness Councils (GFCC), Bill helped establish and build a network of more than 30 competitiveness councils from around the world. He managed the Council's role as secretariat to the GFCC, oversaw membership engagement and outreach and directed the development of annual policy reports, including Best Practices in Competitiveness Policy.

He previously served as Director of Government Relations for the United States Telecom Association. Prior to that, he was Chief of Staff and Legislative Director to House Commerce Committee member, U. S. Congresswoman Anna Eshoo (D-CA) where he advised the Congresswoman on a wide range of technology issues including telecommunications,

biotechnology and intellectual property. Before joining Ms. Eshoo, he was an Associate with the Washington, DC-based public affairs company, Cassidy & Associates.

He holds a master's degree in government from Johns Hopkins University and a bachelor's degree in government and History from Cornell University. In his spare time, he runs ultramarathons and is a member of the Marine Corps Marathon Runners Club, having completed the race seven times.

Dr. Gerald (Jerry) C. Blazey
Vice President for Research and Innovative Partnerships
Northern Illinois University

Gerald (Jerry) C. Blazey is the Vice President for Research and Innovative Partnerships at Northern Illinois University. Blazey received a Ph.D. in experimental particle physics from the University of Minnesota. He served as the co-spokesperson of the DZero proton–antiproton experiment at Fermi National Accelerator Laboratory, Illinois, and as the Assistant Director for Physical Sciences in the Office of Science and Technology Policy in the Executive Office of the President of the United States. Blazey is a Fellow of the American Physical Society.

Mr. William H. Bohnett
President
Whitecap Investment

Bill Bohnett is the Chair of the Advisory Board of the Smithsonian Environmental Research Center and served on the Smithsonian's National Board from 2008-2017. Additionally, he is the Vice-Chair of American Forests, the nation's oldest conservation organization. Bill is a member of the Executive Committee of the Council on Competitiveness and is a member of the Energy Security Leadership Council of SAFE (Securing America's Future Energy). Both are D.C.-based non-profit and non-partisan

policy organizations. He maintains a speaking schedule on sustainability and climate change mitigation and has been a guest lecturer on these topics and on social entrepreneurship at several universities.

As a corporate and securities partner prior to 2006 at the international law firm of Fulbright & Jaworski (now NortonRoseFulbright). Bill had an active global practice in the investment field. He is a 1970 graduate of Princeton University and its School of Public and International Affairs and received his J.D. from the University of Pennsylvania Law School in 1974. Past directorships include those at The Synergos Institute, City Harvest, and The Island School.

Bill and his spouse, Clare, have homes in Jupiter Island, Florida and Princeton Junction, New Jersey and have three children and four grandchildren.

Maj. Gen. Ed Bolton (retired)
Senior Advisor, Diversity, Equity, and Inclusion
The Aerospace Corporation

Edward (Ed) L. Bolton, Jr. is a retired United States Air Force Major General. Since June of 2020, he has served as the senior advisor to the Aerospace Corporation CEO and his Corporate Officer team. Since April of 2022, he has also led Aerospace's Space Workforce 2030 efforts.

Bolton previously served at the Aerospace Corporation as Senior Vice President of the Defense Systems Group. He retired from Aerospace in March 2019. Immediately after his military career, he worked at the Federal Aviation Administration where he was the Assistant Administrator responsible for leading the modernization of the National Airspace System—the world's largest and most complex aviation system.

During his military career, Bolton commanded the Spacelift Range Squadron, then the Spacelift Operations Group, at Vandenberg Air Force Base in California. He later was the Spacelift Wing Commander at Patrick Air Force Base in Florida. He also completed assignments as the Director of Systems Engineering at the National Reconnaissance Office (NRO) and as the Director of Air Force Space and Cyber operations at the Pentagon. While in program management, he led the Satellite and Launch Systems Program Office and the Space Launch and Range Systems Program Office at the Space and Missile Systems Center at Los Angeles Air Force Base. He also served on the White House Staff in two administrations as a director on the National Security Council. He retired from active duty in October 2013 after serving as the Deputy Assistant Secretary of the Air Force for Budget where he managed the Air Force's $165B budget.

During his time as commander at Patrick Air Force Base, the unit won the General Robert Herres trophy for its selection as the top wing in Air Force Space Command. While at Los Angeles Air Base, his program office was selected as the Top Program Office in Space Acquisition by the Air Force Association. Bolton is also the recipient of both the NRO Leadership Award, and the NRO Gold Medal.

Bolton serves on the Board of Directors of the Virginia Commercial Space Flight Authority. He is also on the Commercial Space Transportation Advisory Committee under the Department of Transportation. He is also a member of the Board of Directors of the Campagna Center, a not for profit community service organization located in Alexandria Virginia, where he currently resides.

Bolton earned a Bachelor of Science degree in electrical engineering from the University of New Mexico, and two Master of Science degrees: the first in systems management from the University of Southern California, and the second as in national security strategy from the National War College, where he was a distinguished graduate. He is also a distinguished graduate of the Air Command and Staff College. He completed a Senior Executive Fellowship at Harvard University as well as the Program Management course at the Defense System Management College at Fort Belvoir, Virginia.

Mr. Wesley Brown
Senior Analyst
Keybridge

Wes is a Senior Analyst at Keybridge, where he specializes in technology and innovation policy, data analytics, and program evaluation. He is experienced in conducting detailed research and applying sophisticated analytical approaches to a wide range of policy issues including artificial intelligence, broadband buildout, infrastructure investment, and natural disaster risk assessment.

While at Keybridge, Wes has supported the work of the Innovation & Technology and Infrastructure policy committees at an association of CEOs from the nation's leading companies. His contributions include research and drafting support for reports and policy recommendations, administration of numerous membership-wide surveys, and a modeling study estimating the macroeconomic returns on investment in U.S. infrastructure. Wes has also provided analytic support for program evaluations and strategic decision-making efforts undertaken by FEMA's National Flood Insurance Program and Health & Human Services' Administration for Community Living.

Wes holds a Bachelor's degree from Princeton University, with Honors, from the Princeton School of Public and International Affairs.

Dr. Valerie M. Browning
Vice President for Research and Technology,
Corporate Technology Office
Lockheed Martin

Dr. Valerie M. Browning is Vice President for Research and Technology within the Corporate Technology Office. In this role, she executes transformational R&D projects working with all business areas, partners in academia, and government S&T organizations. She champions technology collaborations with universities as well as customer R&D and commercial company joint technology development. She chairs the Lockheed Martin's Technology Council and is responsible for steering transformational cross-enterprise technology programs across all 21st Century Warfare technology domains.

Prior to joining Lockheed Martin, Dr. Browning served as the Acting Director of Defense Research & Engineering for Research & Technology where she provided leadership and coordination across DoD's S&T enterprise efforts to rapidly develop, mature and protect key technologies and ensure U.S. warfighter dominance. Prior to this role she served as the Director of DARPA's Defense Sciences Office where she was responsible for the management and execution of a broad portfolio of high-risk, high payoff research initiatives focused on game-changing technologies for U.S. national security.

Dr. Browning has also worked as an independent consultant providing subject matter expertise and strategic planning support to the Department of Defense, Department of Energy, and other government clients in the areas of advanced materials and alternative energy. She also served as Chief Technology Officer for HELM System Solutions, Inc., a woman-owned small research and development business. Early in her career, Valerie served as a program manager in DARPA's Defense Sciences Office where she initiated and managed a diverse R&D portfolio in areas that included metamaterials, bio-magnetics, unmanned underwater vehicle energy storage, portable power, thermoelectric materials and others. She also worked as a research physicist at the Naval Research Laboratory where her primary areas of research included thermoelectric materials, superconductors, magnetics, and magnetic oxide materials. Dr. Browning earned a doctorate in physics from The Catholic University of America, a Master of Science degree in physics from the University of Maryland, and a Bachelor of Science degree in physics from Virginia Tech.

Dr. Thomas A. Campbell
Co-Director, LEAP Manufacturing, and Senior Fellow,
Council on Competitiveness

Dr. Thomas A. Campbell—globally recognized senior analyst and researcher in emerging and disruptive technologies—is the Founder & CEO of FutureGrasp, which advises organizations on trends and implications of emerging technologies; and the Co-Director of LEAP Manufacturing, a national consortium of leading experts and organizations in the energy and batteries sector with the goal to be the leading force for accelerating advanced energy systems. He is also a Special Advisor to BootstrapLabs (a leading Venture Capital firm based in Silicon Valley focused on Applied Artificial Intelligence), a Senior Fellow with the Council on Competitiveness (Washington, D.C.), a Member of the Board of Advisors of the Global TechnoPolitics Forum (Canoga Park, CA), and a Member of the Board of Advisors of VoiceBrain (San Francisco, CA).

From February 2015 to August 2017, Tom was the first National Intelligence Officer for Technology (NIO/TECH) with the National Intelligence Council (NIC) in the Office of the Director of National Intelligence (ODNI). As NIO/TECH, he served as the focal point within the ODNI for all activities related to emerging and disruptive civil technologies. With his team (deputy NIO/TECH and others on assignments) and in collaboration with other NIOs and government agencies, he drafted, coordinated reviews of, and briefed a broad portfolio of intelligence prod-

ucts for senior policymakers—including senior directors in the National Security Council, senior staff of the Office of Science & Technology Policy (OSTP), members of the House and Senate, and senior ranking officers within the Department of Defense.

Prior to his government service, Tom was Research Associate Professor and Associate Director for Outreach with the Institute for Critical Technology and Applied Science (ICTAS) at Virginia Tech. He led corporate outreach and facilitated large, multi-principal investigator (PI) program and proposal developments in interdisciplinary areas. He built a research lab from scratch and performed fundamental research on nanomaterials and 3D- and 4D-printing, culminating in the 2014 Outstanding Paper award in the top journal in the field. Tom was a Senior Fellow (Non-resident) with the Strategic Foresight Initiative of the Atlantic Council in Washington, D.C. for almost two years.

Tom's industry experience covers both small business and large corporations. He worked three years at ADA Technologies, Inc., where he led proposal concept, writing, and project execution. For five years, Tom was a Research Scientist at Saint-Gobain Crystals (part of the French Fortune 100 company Saint-Gobain), where he was PI and R&D Project Leader during a $13 million dollar expansion project for optical microlithography materials processing.

Tom is a recipient of the Alexander von Humboldt Research Fellowship, granted to global researchers for postdoctoral research in Germany. Living in Freiburg, Germany for 16 months, he executed all his research in the German language. He developed and implemented novel experimental studies of interfacial kinetics and crystal characterizations of germanium-silicon compounds. Following his return to the United States, he was a Member of the Board of Directors of the American Friends of the Alexander von Humboldt Foundation and Chair of its Strategic Planning Standing Committee.

Tom holds a Ph.D. in Aerospace Engineering Sciences from the University of Colorado at Boulder. His research was funded under a three-year NASA Graduate Student Researcher Program Fellowship.

Tom holds a B.E. in Mechanical Engineering (Magna Cum Laude, Honors in Mechanical Engineering) from Vanderbilt University.

Dr. Todd Combs
Associate Director of Energy and Environment
Idaho National Laboratory

Dr. Todd Combs is the associate laboratory director for Idaho National Laboratory's Energy and Environment Science & Technology Directorate, where he manages 350+ research staff focused on advanced transportation, clean energy integration, advanced manufacturing and environmental issues. Before joining INL, Combs served as the director of the Global Security Sciences Division at Argonne National Laboratory, where he led a multidisciplinary research team of over 200 that found solutions to protect against, mitigate, respond to, and recover from a wide spectrum of national and global security threats. He also served nearly 14 months as Argonne's interim associate laboratory director for Energy and Global Security. He led the applied R&D organization of over 800 people, addressing domestic and global sustainable energy and security issues. In this role, he oversaw research and operational activities of the energy systems, nuclear engineering, and global security sciences division. Combs began his DOE laboratory career in 2008 at Oak Ridge National Laboratory as an operations research scientist. He left for Argonne in 2012 while serving as group leader for Transportation Planning and Decision Science. His research has included energy systems modeling and analysis for DOE, most recently related to critical materials supply chains, as well as the application of modeling and simulation to national and homeland security issues for the departments of Defense and Homeland Security. Combs earned his doctorate in operations research and master's degree in operations analysis from the Air Force Institute of Technology, and is a graduate of the U.S. Military Academy at West Point.

Dr. Tomás Díaz de la Rubia
Vice President for Research and Partnerships
The University of Oklahoma

Tomás Díaz de la Rubia is a science and technology leader, strategist, and administrator with extensive experience in national laboratories, academia and the private sector. Tomas has served as the Deputy Director for Science and Technology and Chief Research Officer at Lawrence Livermore National Laboratory, a Director in the Strategy and Operations practice at Deloitte Consulting, and Senior Vice President and Chief Scientific Officer at Purdue University. At present, Tomas is the Vice President for Research and Partnerships at the University of Oklahoma, and a full professor of Physics and of Chemical, Biological and Materials Engineering. He leads OU's efforts to enhance the scale and scope of the university's research enterprise and its impact of workforce and regional economic development. He has developed a new strategic framework and plan for research that has propelled the university forward, particularly in the areas of national security, energy and sustainability, and the life sciences. He works closely with Oklahoma's Congressional delegation, with the Governor's office and State legislature, the leadership of Oklahoma's Tribal Nations, and with the Oklahoma defense installations and investment community to advance and align the profile and impact of the University's research. In the three years since his arrival at OU, research expenditures have increased just over 50 percent.

Tomas is a member of the Defense Science Board (DSB) and served six years as a member of the Intelligence Community Studies Board. He co-chairs the DSB's current study on Climate Change and Global Security.

Prior to his current assignment, Tomas was the Chief Scientific Officer and Senior Vice President for Strategic Initiatives at Purdue University, and a Full Professor of Materials Science and Engineering and of Physics. He helped the university pursue major new research initiatives and contracts, and led Discovery Park, a transdisciplinary complex of centers, institutes and facilities focused on turning new ideas and discoveries into disruptive innovations with global impact on society. During Tomas' tenure at Purdue from September 2015 to September 2019, Discovery Park's focused strategically on the development of real-world solutions to major global challenges in health and the life sciences; sustainability and the nexus of energy, food, water, climate and the environment; and national security and defense. Over the same period, Discovery Park saw growth in research funding from industry, government, foreign institutions and philanthropic organizations of over 120 percent. Tomas was also responsible for the success of the Burton Morgan Center for Entrepreneurship and the Purdue Foundry, a hub to nurture and launch new start-up companies based on faculty and student intellectual property (IP) into the market. Over 100 new companies were created during Tomas' tenure at Purdue.

Prior to Purdue, Tomas worked for Deloitte Consulting, LLP where he was the innovation leader and a director of strategy and operations in the energy and resources industry practice. Based in Washington, D.C, he advised C-Suite executives at major multinational Oil and Gas companies and electrical utilities on ways to identify and capitalize on new, advanced technologies. Tomás Díaz de la Rubia, Ph.D. Vice President for Research and Partnerships University of Oklahoma tddlr@ou.edu 405-325-1800 Prior to joining Deloitte, Tomás worked for 24 years at the U.S. Department of Energy Lawrence Livermore National Laboratory (LLNL) in California where he rose to become the Deputy Director for Science and Technology (DDST) and the Laboratory's Chief Research Officer (CRO). He oversaw all the science, technology, computing, and engineering programs of the Laboratory, including programs of basic and applied research in support of the Laboratory's missions in nuclear security, defense, Counter WMD, the life sciences, energy and climate, and technology commercialization. Prior to being Deputy Director, Tomas served as the Laboratory's Associate Director for Chemistry Materials, Life, and Earth Sciences.

Tomas is a board member of the National Defense Industry Association, chairs the Board of Directors of CRFD Global, and is a member of the State of Oklahoma Science and Innovation Council. Tomas is a Fellow of the American Physical Society and a Fellow of the American Association for the Advancement of Science.

Dr. Helene R. Dillard
Dean, College of Agriculture and Environmental Science
University of California Davis

Dr. Helene R. Dillard was appointed Professor and Dean of the College of Agricultural and Environmental Sciences at the University of California Davis in January 2014. Dr. Dillard is the chief academic and administrative officer of the college and oversees fourteen departments, and several centers and institutes with more than 7,500 undergraduates, 1,100 graduate students, 800 staff and 380+ faculty. While serving as Dean, the College has achieved a number one ranking in agriculture in the nation for the past seven years. Dr. Dillard is actively developing the strengths of the college in research, teaching, extension and outreach, and maintaining strong relationships with the broad range of stakeholders in California, nationally, and globally. She is passionate about offering students seamless access to excellent advising and enabling student success. In addition to her responsibilities as dean, she has programmatic responsibilities for the college's Agricultural Experiment Station and Cooperative Extension. Dillard has national and international leadership experience, including invited consultations, presentations and scientific exchanges in China, Central America (Honduras, Nicaragua), South America (Argentina, Brazil, Chile), the European Union (the Netherlands, Sweden, United Kingdom) and Zimbabwe. She completed her B.S. degree in biology of natural resources at UC Berkeley, an M.S. degree in soil science at UC Davis, and a Ph.D. degree in plant pathology at UC Davis where she studied the biology and management of *Sclerotinia minor* on lettuce in the Salinas Valley. Following completion of her Ph.D. degree, Dr. Dillard joined the faculty in the Department of plant pathology at Cornell University from 1984 to 2014. Her research focused on the biology, ecology, and management of fungal pathogens that cause diseases in vegetable crops. Her interests include sustainable disease management strategies, integrated pest management, epidemiology and host/pathogen/ environment interactions. Dr. Dillard was recognized for her contributions in plant pathology by the American Phytopathological Society (APS), receiving the Excellence in Extension Award in 1992 and being named an APS fellow in 2006. She received the New York Farmers Medal and the Outstanding Faculty Award from CALS in 2013. While at Cornell University, she also served in leadership capacities as a Department Chair and as an Associate Dean in the College of Agriculture and Life Sciences (CALS) and the College of Human Ecology. In 2021, Dr. Dillard was named a fellow of the American Association for the Advancement of Science (AAAS).

Mr. Chad Evans
Executive Vice President, Board Secretary and Treasurer
Council on Competitiveness

As Council EVP overseeing all programs and initiatives, Chad develops and manages the Council's policy agenda and workstream, including: development and execution of the Council's flagship "National Commission on Innovation & Competitiveness Frontiers;" creating both the "Building University-Industry-Lab Dialogue for Advanced Computing" effort and the "Exploring Innovation Frontiers Initiative" with the National Science Foundation; forming the "American Energy & Manufacturing Competitiveness Partnership" with the U.S. Department of Energy; and, helping to shape and launch the "National Engineering Forum."

In addition, Chad has built and shepherded over the past nearly 15 years the Council's "Technology Leadership and Strategy Initiative," engaging Fortune 500 chief technology officers, university vice presidents of research, and national laboratory deputy directors to make the policy and business cases for America's innovation-enabling investments in talent, technology and infrastructure.

He has also helmed C-suite innovation summits, dialogues and immersions across Latin America, Europe, Asia and Oceania. Has focused, in particular in Brazil and Australia—having created 4 U.S.-Brazil Innovation Summits and 20+ innovation learning laboratories across both nations; and having launched the first-ever U.S.-Australia CTO Dialogue series.

Chad holds an M.S. from the Georgetown University School of Foreign Service, with an Honors concentration in International Business Diplomacy from Georgetown's Landegger Program. He has a B.A. in Political Science and International Affairs from Emory University.

He is both Secretary and Treasurer to the Board of the Council on Competitiveness; Treasurer to the Board of the Global Federation of Competitiveness Councils; a member of the Texas A&M Engineering Experiment Station Advisory Board; an ARCS Foundation National Science and Engineering Advisory Council member; a U.S. German Marshall Fund Fellow; and a past member of the Lawrence Livermore National Laboratory Industry Advisory Council and the World Economic Forum Advisory Board on Russian Competitiveness.

The Honorable Patricia Falcone
Deputy Director for Science and Technology
Lawrence Livermore National Laboratory

Patricia Falcone is the Deputy Director for Science and Technology at the Lawrence Livermore National Laboratory (LLNL). She is the principal advocate for the Lab's science and technology base and oversees the strategic development of the Lab's capabilities. She is responsible for LLNL's collaborative research with academia and the private sector, as well as its internal investment portfolio. Falcone chairs the advisory committee for the Department of Mechanical and Aerospace Engineering at Princeton. She is a commissioner on the National Commission on Innovation and Competitiveness Frontiers led by the Council on Competitiveness and a member of the Leadership Council of the Government-University-Industry Research Roundtable of the National Academies of Science, Engineering and Medicine. Falcone earned a B.S.E. in aerospace and mechanical sciences at Princeton University, and M.S. and Ph.D. degrees in mechanical engineering from Stanford University.

Mr. Chris Folk
Director, Strategic Partnerships
The MITRE Corporation

Chris Folk is the managing director for MITREs Strategic Engagements and Partnerships team. He is responsible for facilitating and enabling MITREs role as a leader in developing new solutions through strategic partnerships that leverage the scientific based, data driven solutions that makes those ideas come to life. He ensures that the attributes of the not for profit, enabler of the public good mission of MITRE is fully understood and utilized, "whole of" solutions to be developed, tested, and deployed consistent with the greater good necessary to ensure solutions are scientifically proven, equitable, and solve the issue not the symptoms.

He leads a team that serves as the model for this public focused bridging of ideas, capability, and people to demonstrate to the world how powerful FFRDCs can be when the intentionality of these constructs meets execution. Chris served as the Director, cyber strategy and deputy CSO for MITREs 1000 plus cyber experts working across all six FFRDCS. Previously, he led the cybersecurity, critical infrastructure and intelligence programs for MITRE for the U.S. Department of Homeland Security. After

helping stand up DHS, Chris served as Director of Risk and Vulnerability Management for Amazon Web Services. He previously held positions with the USN, the DoD, the FBI and the U.S. Department of Energy. Chris holds a bachelor's degree from Saginaw Valley State university and a Masters of Business Administration from Virginia Tech.

Mr. Mike Freeman
CEO & General Partner
Innosphere Ventures

Mike Freeman is the Chief Executive Officer of Innosphere Ventures. Innosphere Ventures is a multi-faceted organization with a 25-year-old science and technology-focused incubator, specialized facilities for R&D-intensive startup ventures, and venture capital. Mr. Freeman is responsible for all Innosphere operations, finances, strategy, and execution. Mr. Freeman is the General Partner in Innosphere Ventures Fund I and Fund II and has led multiple investment rounds in science and technology companies in Colorado and surrounding states.

Innosphere Ventures seeks to drive large-scale economic impact in Colorado and surrounding regions. In the past year, Innosphere led the Colorado Coalition to the final found of the inaugural US EDA Build Back Better grant program, led a two-state, Colorado-Wyoming joint proposal to the National Science Foundation Engines program, and will engage in upcoming transformative funding opportunities. Our vision is to elevate the Colorado region to one of the top-performing economic regions in the U.S. within five years. With over 100k technology working along Colorado's front range, the region can advance to elite status with a concerted effort.

Previously, Mr. Freeman served as the Chief Financial Officer for the City of Fort Collins, CO. Fort Collins has a population of 140,000 and a total budget of nearly $500 million. Before joining the City of Fort Collins, Mr. Freeman led several management consulting ventures. He managed the Local government Solutions Group, and was the Regional Director of HDR's Management Consulting Group responsible for the Rocky Mountain region of the United States. Before consulting, Mr. Freeman was the City Manager of Ashland OR, and held numerous positions with the City of Thornton, CO.

Ms. Joan T.A. Gabel, JD
President
University of Minnesota

Joan Gabel serves as the 17th President of the University of Minnesota, where under her leadership, the University established MPact 2025, its first comprehensive systemwide strategic plan; surpassed $1 billion in annual research expenditures; achieved record-setting graduation rates, start-ups, patents and private giving; and advanced transformational collaborations including NXT GEN MED, the ground-breaking partnership between the University, the Mayo Clinic and Google.

President Gabel most recently served as Executive Vice President and the Provost at the University of South Carolina, and previously held faculty appointments at Georgia State University and Florida State University. She also served as Dean of the University of Missouri's Robert J. Trulaske, Sr. College of Business, where she was recognized as a shining star in business school administration by the Wall Street Journal.

She earned her Bachelor's degree in Philosophy from Haverford College and her Juris Doctor from the University of Georgia. She has been recognized with numerous research, service, and teaching awards, including as a Fulbright Scholar.

University of Minnesota, Twin Cities, is a public research university that offers baccalaureate, master's, and doctoral degrees in virtually every field—from medicine to business, law to liberal arts, and science and engineering to architecture. The University of Minnesota system is made up of five campuses in Minnesota including Crookston, Duluth,

Morris, Rochester, and the Twin Cities (Minneapolis/St. Paul). University of Minnesota Extension provides outreach and education services to Minnesota's communities through science-based knowledge, expertise, and training. The University of Minnesota was recognized by Forbes in 2018 in the Best Employer, Best Employer for Diversity, and Best Employer for New Grads categories.

Dr. Tommy Gardner
Chief Technology Officer
HP Federal, HP Inc.

Tommy Gardner is HP's Chief Technology Officer for HP Federal, spanning the US Federal Agencies, Higher Education, K-12 Education, State and Local government customer segments, as well as Federal Systems Integrators. His current responsibilities include technology leadership, strategic technology plans, product and technology strategies, sales force technical support, and customer and partner relationships.

Previously, Tommy has served as the Chief Technology Officer for Jacobs Engineering, Scitor, and ManTech. Earlier in his career he was a senior technical executive at Raytheon. In the U.S. Navy he served as the Deputy for Science and Technology for the Chief of Naval Research. He oversaw the Navy's Deep Submergence Program as well as its Advanced Technology Program. He also commanded the nuclear submarine, USS San Juan (SSN 751).

Tommy's educational background covers multiple disciplines and fields of interest including: cybersecurity, data science, digital supply chains, quantum information science, artificial intelligence, high performance computing and systems integration.

Tommy holds a B.S. in Mechanical Engineering from the U.S. Naval Academy, a Masters in Public Administration from Harvard University, an M.S. in Management of Technology from MIT and a Ph. D. in Energy Economics from George Washington University. He is a Professional Engineer, an ASME Fellow, and serves on the ASME Board of Governors. He is also on the ANSI Board of Directors. He is currently on the U. S. Council on Competitiveness and serves as the Co-chair of the Advanced Computer Roundtable.

In his spare time Tommy teaches graduate students at Catholic University of America in Cybersecurity, Software Programming, the Digital Supply Chain and Cyber Ethics. He was awarded the 2021 Part Time instructor of the year at CUA.

Dr. Suresh V. Garimella
President
University of Vermont

Suresh Garimella is the 27th president of the University of Vermont. Dr. Garimella is a professor of mechanical engineering with a distinguished record of research accomplishments and a passion for mentoring students. As president, he leads UVM with emphasis on access and affordability for its students, an unwavering belief in the transformative power of education and research, and strong advocacy for the university's land-grant mission of service to the state of Vermont.

Dr. David A. Greene
President
Colby College

David A. Greene arrived at Colby on July 1, 2014, as the College's 20th president. The College is undergoing transformational change under his leadership. Through major investments to grow and diversify the faculty, the College has added new academic programs in areas such as data science, computational biology, genomics, and environmental humanities and expanded many core areas, including the study of the environment and climate change, performance studies, and creative writing. In 2021 Colby launched the Davis Institute for Artificial Intelligence,

the first initiative of its kind at a liberal arts college. The College has dramatically enhanced its arts programs through a historic expansion of the Colby Museum of Art's collection; the establishment of the Lunder Institute for American Art; and the construction of the Gordon Center for Creative and Performing Arts, the Greene Block + Studios, and the Paul J. Schupf Art Center.

To more deeply connect Colby's curriculum to the world's most pressing challenges and to afford all students opportunities for meaningful global, research, and internship experiences, the College created and endowed DavisConnects, the Linde Packman Lab for Biosciences Innovation, the Buck Lab for Climate and Environment, the Halloran Lab for Entrepreneurship, and the Lyons Arts Lab. Through a partnership with the Wyeth family, Colby established a 500-acre island campus off the coast of Maine with the acquisition of Allen and Benner islands.

Investments in the broader student experience have been similarly robust, with the construction of new residence halls and the finest athletic facilities in Division III, the establishment of a comprehensive civic engagement program, and staffing and programs to ensure all students can thrive at Colby.

These initiatives, along with a new financial aid program that is among the most generous in the country for low- and middle-income families, have made Colby one of the most sought-after liberal arts colleges in the country. In 2023 Colby received nearly 18,000 applications for admission, up from approximately 5,000 in 2014. The number of enrolled Pell-eligible students has nearly tripled, the number of students of color has more than doubled, and Colby has reached unprecedented highs on every measure of student preparedness and academic achievement.

Colby's commitment to the community, especially to its home city of Waterville, has become a national model for partnership and reinvestment. The College spearheaded $200 million in business, infrastructure, and community redevelopment on the city's Main Street. Colby's projects include two art centers, the Lockwood Hotel, a new technology center, the Bill Joan Alfond Main Street Commons, and a wide-ranging streetscape and infrastructure improvement program.

Much of this progress has been made possible by Colby's $750-million Dare Northward campaign, which was the largest-ever liberal arts college campaign when announced in 2017.

Before arriving at Colby, Greene was executive vice president of the University of Chicago and, prior to that, served in senior leadership roles at Brown University and Smith College. He serves on the boards of the Wyeth Foundation for American Art, the Marine Biological Laboratory at Woods Hole, and the Kents Hill School. He is a member of the U.S. Council on Competitiveness and the American Talent Initiative. He previously served on the World Economic Forum Knowledge Advisory Board, the City of Chicago Science Board of Advisors, the Arthur M. Brazier Foundation Board of Directors, the University of Chicago Laboratory Schools Board of Directors, the Harvard University Alumni Board of Directors, and was president of the University of Chicago's China and India Corporations. He received a bachelor's degree in history from Hamilton College and a master's degree in human development and psychology from Harvard University before earning a second master's and a doctoral degree in education and social policy at Harvard, where he chaired the editorial board of the *Harvard Educational Review*.

Dr. José-Marie Griffiths
President
Dakota State University

Dr. José-Marie Griffiths is president of Dakota State University in Madison, South Dakota. President Griffiths has spent her career in research, teaching, public service, corporate leadership, workforce and economic development, and higher education administration, with special focus on work in STEM fields. She has served in presidential appointments to the National Science Board, the U.S. President's Information Technology Advisory Committee, and the U.S. National Commission on Libraries and Information Science. She was a member of the National Security Commission on Artificial Intelligence, part of the John S. McCain National Defense Authorization Act for 2020. Today, she is a member of the Center for a New American Security AI Task Force and is active in the Strategic Competitive Special Projects Group. She has led projects for over 28 U.S. federal agencies such as the National Science Foundation, NASA, the Department of Energy, and various intelligence and military agencies, with over 20 major corporations such as AT&T Bell Laboratories, IBM and Apple, in over 35 countries, and has worked with seven major international organizations, including NATO and the United Nations. She has received over 20 significant awards in science, technology, teaching, and the advancement of women in these fields.

Since coming to Dakota State University in 2015, President Griffiths has led DSU into transformational growth and advancement, a time of rising in almost every endeavor in which the university is involved. Dakota State has seen substantial increases and profound quality improvements in student enrollment; student quality; breadth and depth of academic programs, degree and non-degree-seeking, on-campus and online; scholarship support for students; applied research & development; contributions to state, regional, and national workforce and economic development; partnerships with corporate, non-profit, and government enterprises, locally, regionally, and nationally; new construction and renovation of campus facilities, especially customization of those facilities to support the development and deployment of innovative leading-edge technologies for hands-on teaching/learning, from infrastructure to hardware/software; and private and corporate philanthropy.

President Griffiths has a B.Sc. (Honors) in Physics from University College, London; a Ph.D. in Information Science from University College, London; and completed a Post-Doctoral fellowship in Computer Science and Statistics at University College, London. She was also awarded an Honorary degree (D.Sc.) from University College, London for her career and success in science & technology, higher education, and national leadership.

Ms. Yasmin Hilpert
Senior Policy Director
Council on Competitiveness

Yasmin Hilpert joined the Council on Competitiveness from its sister organization, the Global Federation of Competitiveness Councils (GFCC), where she has served as the Senior Director of Policy and Engagement since 2017. Yasmin comes from an extensive labor background, with experience in strategic development, labor issues and workforce development. She brings close to ten years of experience as a trainer and educator with vocational training institutes in Germany. With an interdisciplinary background in political science and metropolitan industrial policy with a focus on Industry 4.0, she worked as a strategic advisor to human rights and labor organizations to develop strategies for Industry 4.0 and work-force

automation in light of technology innovation. As an advisor to labor leaders, she engaged in high-level negotiations on a national and European level with employers and multi-national corporations and is regularly invited as a contributor to meetings of labor, business and government leaders in Germany, the UK and the EU as a whole. She is an expert on metropolitan and regional development, innovation infrastructure and sustainable industrial policy.

Dr. Robert E. Johnson
President
Western New England University

Dr. Robert E. Johnson was appointed as the 6th president of Western New England University in August 2020, charged with leading the institution as it embarks on its second century.

His unyielding belief in higher education as a public good and as a path for transforming individual lives has led him to dedicate his 30-year career to preparing students to adapt and succeed in a dynamic future—one where jobs, as we know them may no longer exist; career mobility is the norm; and individuals are responsible for continuously adding and creating new value.

A future-focused thought leader and commentator on issues concerning the future of work, agile mind education and the agile university, and the sense of humanity imperative, Dr. Johnson believes students, through higher education, must develop divergent thinking skills, social and emotional intelligence, empathy, and a sense of humanity. These uniquely human capacities cannot be replicated by technology and, when paired with an entrepreneurial outlook and a value-creation orientation, are the hallmarks of success in a complex, hyper-connected world.

Recognizing that American higher education is at a unique juncture and that its role will be fundamentally different from the past because we are in a period of profound disruption, he views this as a catalyst for innovation and an opportunity to make institutions more responsive to the needs of the future.

A Detroit native, Dr. Johnson was inspired to attend Morehouse College by his late uncle Robert E. Johnson Jr., associate publisher and executive editor of *JET Magazine* and Morehouse classmate of Dr. Martin Luther King Jr. He encouraged Dr. Johnson's commitment to service and transforming the next generation of leaders, influencing his fundamental conviction that humanity and civility must be central to all we do. As educated and engaged citizens on a planet with more than seven billion people, we are privileged and thus have a social responsibility not only to leave the world better than we found it but to inspire others to do the same.

Dr. Johnson is a member of the Council on Competitiveness serving on its National Commission on Innovation and Competitiveness Frontiers. He serves on the executive committee and as vice chair of the Massachusetts Business Roundtable, the boards of MGH Institute of Health Professions and the New England Council, the Intentional Endowments Network steering committee, and as a member of the Leadership in the Age of Personalization Consortium. Past service includes the Massachusetts Board of Higher Education, vice chair of the Massachusetts Technology Collaborative, and chair of the Worcester Regional Chamber of Commerce. He co-founded the Massachusetts Digital Games Institute.

Dr. Johnson's leadership career spans nonprofit colleges and universities in the Northeast and Midwest, including public, private, urban, rural, small, and large institutions, with enrollments from 2,000 to more than 25,000 students. This experience includes public research universities, one of the nation's largest single-campus community colleges, a large Catholic university, a historically Black university, and a turn-around and transformation of a small private college. His career reflects several firsts—not only as an African American leader but also as the youngest person holding major senior administrative roles.

A proponent of innovation and entrepreneurship, hallmarks of Dr. Johnson's leadership include elevating institutional stature and competitive market position, national recognition, enrollment growth and

resource development success, fast-tracked facilities and infrastructure improvements, and innovating for social impact when leading one of the first higher education institutions in the nation to achieve a 100 percent social impact goal for its endowment.

He has convened transformational conversations with industry, government, and academe that stimulated growth and regional economic opportunity, such as the 2010 Mass Impact Summit that led to the creation of MassDiGI in 2011, and the annual Marine Science and Technology symposium series at UMass Dartmouth that helped launch the MERIT Center to support regional job growth and economic development for the "Blue Economy." Dr. Johnson holds a doctorate in higher education administration from Touro University International, formerly a division of Touro College, New York; a master's degree in education administration from the University of Cincinnati; a bachelor's degree in economics from Morehouse College; and a certificate in applied neuroscience from MIT Sloan School of Management. He is married to Michelle Jones-Johnson. They have two children, Jasmine and Alex.

Western New England University (WNE) is a private, National university providing powerful preparation for the future of work. Founded in 1919 in Springfield, Massachusetts, as a division of Northeastern College, WNE's 215-acre suburban campus serves more than 3,600 students, including 2,500+ undergraduates. More than 47,000 alumni have earned degrees through its 90+ undergraduate, graduate, and professional programs in the Colleges of Arts and Sciences, Business, Engineering, and Pharmacy and Health Sciences, and School of Law. Students hail from 38 U.S. states and territories and 22 countries. Thirty percent of WNE's 45,000 living alumni remain within the region of four western Massachusetts counties and northern Connecticut.

WNE is classified among nationally ranked universities in *U.S. News and World Report* and among the Top 100 Undergraduate Engineering programs, as well as in the Doctoral/Professional Universities category in the Carnegie Classification of Institutions of Higher Education.

The Honorable Jed Kolko
Under Secretary of Commerce for Economic Affairs
U.S. Department of Commerce

Jed Kolko is Under Secretary of Commerce for Economic Affairs. In this position, Kolko coordinates economic analysis for the Commerce Department and provides direction and oversight for the Census Bureau, the Bureau of Economic Analysis, and the Chief Economist in the Office of the Under Secretary for Economic Affairs.

Before joining the Commerce Department, Kolko served as chief economist at Indeed, a global jobs site, and Trulia, an online real-estate firm in the United States. Kolko also served on the boards of directors of the National Association for Business Economics and the California Budget and Policy Center. His research spans employment, housing, local economic development, and technology issues. He received his A.B. in social studies and his Ph.D. in economics from Harvard University.

Ms. Adriana Kuiper
Associate Vice President of Strategy,
ASU Knowledge Enterprise
Arizona State University

Adriana Kuiper is associate vice president of strategy for the executive vice president of Knowledge Enterprise at Arizona State University. In this role, she is a senior member of the leadership team responsible for the execution of strategic, operational and cultural changes. Kuiper leads large-scale, complex projects and acquisitions on behalf of the EVP, and also oversees a variety of operational units, including project management, business analysis, quality management, analytics, marketing and communications, human resources, and event.

Prior to this role, Kuiper served as a leader for multiple research-centric projects including the National Cancer Institute Physical Sciences in Oncology Center; the establishment of ASU as the first university in the United States to receive ISO 9000 certification; and setting up the ASU international offices in Vietnam, Mexico and Malawi. Kuiper also served on multiple task forces for the HIBAR Research Alliance and the Association of Public and Land Grant Universities (APLU), specifically in evaluating the characteristics of use-inspired, society-oriented research. She also co-published, with colleagues at Kings College London and the Global Federation for Competitiveness Councils (GFCC), a report on *Leveraging Extreme Innovation*. She is currently a board member for the Future Talent Council's Faculty and Staff Development board.

Kuiper holds a Bachelor of Science in biology and Master of Business Administration from Arizona State University. She has been recognized as one of the Top 50 Women Leaders of Arizona for 2022. She has served as president of ASU's Project Management Network and has served on the board since its inception. She is also an accredited Project Management Professional (PMP) and an active member of the Project Management Network (PMI), National Association of College and University Business Officers (NACUBO) and National Council of University Research Administrators (NCURA).

Dr. Elizabeth G. Loboa
Provost
Southern Methodist University

Elizabeth G. Loboa, Ph.D., has served as SMU's Provost and Vice President for Academic Affairs since July 6, 2020. Dr. Loboa brings a distinguished academic record and broad university leadership experience to her role. At SMU, she has successfully challenged community members to establish academic priorities for the next 3-5 years that will allow SMU to reach its full potential as a premier research and teaching university with global impact. As a trained biomedical engineer and established researcher, Loboa understands the importance of data to inform decisions and has spent considerable time in her first year establishing the data and reporting structures that will best shape and define the university's academic strategy. She has a deep commitment to transparency and has opened up multiple avenues for consistent and open communication across the university.

As the university's chief academic officer, she is responsible for the overall quality of teaching, scholarship and research and all aspects of academic life, ranging from admissions and faculty development to supervision of SMU's eight schools, library system, international programs, and SMU's eight degree granting schools: Cox School of Business, Dedman College of Humanities and Sciences, Dedman School of Law, Meadows School of the Arts, Lyle School of Engineering, Moody School of Graduate and Advanced Studies, Perkins School of Theology, and Simmons School of Education and Human Development.

Prior to SMU, Loboa was the 11th dean of the University of Missouri's College of Engineering since October 2015 and Ketcham Professor of the College of Engineering. Since 2018, and concurrent with her deanship, she served as vice chancellor for strategic partnerships. She was the first woman to serve as the College of Engineering's dean. During her decanal administration, she oversaw more than 140 faculty members and approximately 3,500 undergraduate and graduate students. Loboa previously served as associate chair and professor of the Joint Department of Biomedical Engineering at the University of North Carolina-Chapel Hill and North Carolina State University, and as a professor of materials science and engineering at North Carolina State University.

As one of the co-leaders, Loboa was instrumental in the largest capital research project ever undertaken at the University of Missouri—the $221 million NextGen Precision Health Institute. She worked to

bring together the assets of five MU colleges -Agriculture, Food & Natural Resources, Arts & Science, Engineering, Medicine, and Veterinary Medicine—in partnership with the Truman VA Hospital, the MU Research Reactor, and MU Healthcare.

She received both her Ph.D. in mechanical engineering and her master's degree in biomechanical engineering from Stanford University, and earned her bachelor's degree in mechanical engineering from UC Davis.

Loboa has been recognized for her work as an engineer, inventor, researcher and academic administrator. She is a fellow in the American Association for the Advancement of Science, the American Society of Mechanical Engineers, the National Academy of Inventors, the Biomedical Engineering Society and the American Institute for Medical and Biological Engineering. She has earned the *Insight into Diversity* Giving Back Award, the Sigma Xi Faculty Research Award, the Ralph E. Powe Junior Faculty Award and the UK-US Stem Cell Collaboration Development Award. Loboa also is the recipient of the University of California Davis Distinguished Engineering Alumni Medal as well as the Stanford University Distinguished Alumni Scholar Award.

Loboa serves on the advisory board of the AAAS Education Counsel Societies Consortium on Sexual Harassment in STEMM. She is a member of the board of directors of Applied Optoelectronics, Inc. (AOI). She currently serves on the nominations committee for the American Institute for Medical and Biological Engineering. Loboa is a past member of the executive council of the Tissue Engineering and Regenerative Medicine International Society, Inc. Until becoming provost, Loboa served as a director for the Engineering Deans Council for the American Society for Engineering Education and on the AAU's Strategy for Sexual Harassment and Gender Discrimination Advisory Board.

Dr. Andre W. Marshall
Vice President for Research, Innovation, and Economic Impact
George Mason University

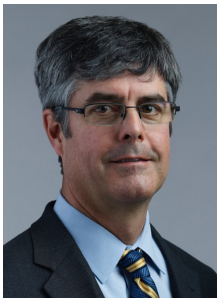
Andre W. Marshall is Vice President for Research, Innovation, and Economic Impact at George Mason University and President of the George Mason Research Foundation. As the university's senior research officer, Dr. Marshall provides overall leadership for the portfolio of research, innovation, and economic development activities. Marshall joined George Mason University from the National Science Foundation, where he served as Program Director for the Industry-University Cooperative Research Center (IUCRC) and Innovation Corps (I-CorpsTM) programs. During his tenure at NSF, Dr. Marshall advanced NSF's university-based tech translation and commercialization programs through national initiatives strengthening industry-university engagement and collaboration, new partnerships broadening participation in innovation and tech entrepreneurship, and program virtualization increasing accessibility to the highly regarded national I-Corps Teams program.

Prior to NSF, Dr. Marshall served on the faculty at the University of Maryland, College Park in the Department of Fire Protection Engineering where he founded the Fire Testing and Evaluation Center (FireTEC) and launched a tech-startup based on patented technology stemming from his research and inspired by his participation in the NSF I-Corps program. His research has been funded by the National Science Foundation, National Aeronautics and Space Administration, FM Global, United Technologies Research Center, National Fire Protection Association, and various other institutions. Dr. Marshall is a faculty member in the Mechanical Engineering Department of the Volgenau School of Engineering. His research and teaching interests are centered around experimental characterization and computational evaluation of complex turbulent

reacting flows and sprays. His work in this area was inspired by early propulsion research he performed while at Rolls-Royce Corp., which influenced his approach to fire suppression and most recently agricultural sprays. He is the recipient of the NSF Presidential Early Career Award in Science and Engineering (PECASE) and the Philip Thomas Medal of Excellence. He has served as Associate Editor for the Fire Safety Journal and on the USPTO Working Group for the National Council for Expanding American Innovation (NCEAI).

Dr. Marshall began his college career at Georgia Tech receiving a B.M.E and M.S. in mechanical engineering in 1991 and 1992, respectively. In 1996, he completed his Ph.D. in mechanical engineering at the University of Maryland, College Park.

Dr. Thomas Mason
Laboratory Director
Los Alamos National Laboratory



Dr. Thom Mason became the 12th Director of Los Alamos National Laboratory and President of Triad National Security, LLC, in November 2018.

The Laboratory is a principal contributor to the U.S. Department of Energy mission to maintain the nation's nuclear weapons stockpile. Los Alamos uses innovative science and technology to enhance global nuclear security and protect the world. Los Alamos has an annual operating budget of $4 billion, 15,000 workers, and a 40-square-mile site featuring some of the most specialized scientific equipment and supporting infrastructure in the world.

For the past 30 years, Thom has been involved in the design and construction of scientific instrumentation and facilities and the application of nuclear, computing, and materials sciences to solve important challenges in energy and national security. Most recently Thom was the Senior Vice President for Global Laboratory Operations at Battelle where he had responsibility for governance and strategy across the six National Laboratories that Battelle manages or co-manages. Prior to joining Battelle, Thom worked at Oak Ridge National Laboratory (ORNL) for 19 years, including 10 years as the Laboratory Director. Under his leadership, ORNL saw significant growth in programs, new facilities, and hiring while achieving record low safety incident rates. Before becoming Laboratory Director, he was Associate Laboratory Director (ALD) for Neutron Sciences, ALD for the Spallation Neutron Source (SNS), and Director of the Experimental Facilities Division.

Thom was active in the community during his time in Oak Ridge, serving as chair of the Oak Ridge Public Schools Education Foundation and of Innovation Valley, the Knoxville-Oak Ridge area regional economic development organization. He moved to ORNL from the University of Toronto, where he was a faculty member in the Department of Physics. Thom previously worked as a senior scientist at Risø National Laboratory and a postdoctoral researcher at AT&T Bell Laboratories.

Thom holds a Ph.D. in Experimental Condensed Matter Physics from McMaster University and a BSc in Physics from Dalhousie University.

Mr. Roy Mathew
Principal, National Practice Leader for Higher Education
Deloitte US

Roy is a principal with Deloitte Consulting LLP and leads the national Higher Education practice. He has more than 20 years of consulting and industry experience across both private and public sector clients. He has led many of Deloitte's largest Higher Education transformation programs that span strategy, implementation, and operations. He is actively involved in developing the firm's capabilities in new business models and innovative uses of technology. Roy holds an undergraduate degree from the Georgia Institute of Technology, and a graduate degree from Stanford University.

Dr. Willie E. May
Vice President, Research and Economic Development
Morgan State University

Dr. Willie E. May currently serves as Vice President for Research and Economic Development at Morgan State University where he will be working to aggressively increase the quality and quantity research outputs, facilitate increased tech transfer, and better connect research across Maryland's preeminent urban research university to community needs.

Immediately prior to Morgan, Dr. May served as Director of Major Research and Training Initiatives for the College of Computer, Mathematical and the Natural Sciences, University of Maryland College Park where he developed new relationships and expanded existing partnerships with corporations, foundations and government agencies and assisted the college in obtaining additional support for graduate student education, training and mentoring.

Dr. May previously served as Director of the National Institute of Standards and Technology (NIST) and Under Secretary of Commerce for Standards and Technology, a position created in the America COMPETES Reauthorization Act of 2010. As the U/S Dr. May provided high-level oversight and day-to-day leadership for NIST, the agency that promotes U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life. Dr. May began as a bench Chemist and went on to work at every management level within the organization. His personal research activities were focused in the areas of trace organic analytical chemistry and physico-chemical properties of organic compounds, where his work is described in more than 90 peer-reviewed technical publications. He has given more than 250 invited lectures at Conferences and Symposia around the world.

Dr. May currently serves on the Board of Directors for Consumer Reports, the Advisory Council for the National Network for Critical Technology Assessment, and the NASA Advisory Council's Science Committee. He is also the newly selected President Elect of the American Association for the Advancement of Science. Until recently Dr. May maintained several international leadership responsibilities as well. In March 2019, he stepped down as Vice President of the International Committee on Weights and Measures (CIPM); President of the CIPM's Consultative Committee on Metrology in Chemistry and Biology. He also was a member of the Scientific Advisory Board's for the UK's National Physical Laboratory (NPL) and China's National Institute of Metrology (NIM).

Dr. May earned his B.S in Chemistry from Knoxville College and his Ph. D. in Analytical Chemistry from the University of Maryland, College Park. His numerous honors and awards include: Honorary Doctorate's from Wake Forrest University and the University of Alabama Huntsville; the American Chemical Society's Distinguished Service in the Advancement of Analytical Chemistry Award; the American Chemical Society's Public Service Award; the Department of Commerce's Gold, Silver and Bronze Medal Awards; the National Institute of Standards and Technology Equal Employment Opportunity (EEO) Award; and the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers' Percy Julian Award; in 2015, recognized as the Federal Government's "Top Chemist" by Chemical and Engineering News Magazine and in 2016 recognized by the Federal Laboratory Consortium as "Laboratory Director of the Year."

Mr. Tom Mildenhall
Global Head of Technology Partnership Development
Bank of America

Tom Mildenhall leads the Technology Partnership Development (TPD) team in Global Technology at Bank of America. His team is responsible for developing strategic partnerships between the bank, technology companies, and venture capital firms to drive innovation in bank products, services and technology infrastructure.

Under Tom's leadership, TPD develops partnerships that include all aspects of enterprise technology, including analytics, data science, information security, infrastructure, software and software development tools, financial technology, HR, artificial intelligence and machine learning, blockchain, capital markets technology, consumer banking, marketing, wealth management and improving the client experience.

Tom is responsible for developing relationships with venture capital firms and startup technology companies globally for the bank, while partnering with the bank's investment banking, corporate banking, institutional equities, and wealth management teams to create revenue opportunities.

The Honorable Paul Monks
Chief Scientific Advisor, Department for Energy Security and Net Zero, the United Kingdom

Professor Paul Monks is the Chief Scientific Adviser (CSA) for the Department for Business, Energy and Industrial Strategy (BEIS). As BEIS CSA, he delivers independent and impartial scientific advice to Ministers and policy makers across the BEIS portfolio. The BEIS CSA portfolio spans a wide range of policy areas, including energy (such as nuclear (fission and fusion), geothermal and hydrogen), climate change, electric vehicles, medical radionuclides, space and national security. His role also covers advising on current and ongoing issues faced by UK businesses and industry, with recent focus on the critical role of science in supporting sustainable, resilient and measurable Net Zero and the challenges of delivering national and global decarbonisation.

Professor Paul Monks also works closely with the Government Chief Scientific Adviser, other Departmental CSAs, and BEIS Chief Economist, to strengthen the links within and across departments, encouraging effective engagement and knowledge sharing, and to support delivery of a robust evidence base to underpin BEIS policy decisions.

Throughout the COVID-19 pandemic, as an active member of COVID-19 SAGE, and as co-chair of SAGE-EMG subgroup, Professor Paul Monks has also input to developing and improving understanding of the impacts of the pandemic, including on events such as weddings, nightclubs and festivals, and advised on the development and evolution of public guidelines.

Prior to joining the department, Professor Paul Monks was Pro-Vice Chancellor and Head of College of Science and Engineering at the University of Leicester, where he remains a Professor in Atmospheric Chemistry and Earth Observation Science.

Ms. Hope Morrow
Labor Economist, Workforce Development, Regional Community Engagement
Idaho National Laboratory

Hope Morrow is Idaho National Laboratory's resident Labor Economist and head of Workforce and Economic Development Programs, leading the regional and community workforce, economic and community college efforts for the lab. Hope comes to INL with vast experience, following her years of service with the Department of Labor in both Idaho and Utah.

Hope has been appointed to Idaho's Workforce Development Council by Idaho Governor Brad Little and serves as the council's Policy Committee Chair. Hope co-chairs Idaho's Idaho Advanced Energy Consortium, where she leads industry, education partners, and leadership to make data-driven decisions, regarding workforce and economic needs. She is a current awardee for the Idaho Business Review's Accomplished Under 40 Award. Hope's focus is connecting partners across the state and nation on workforce development topics, labor market analysis, regional economic development efforts, and community college development strategies.

Dr. Sally C. Morton
Executive Vice President, Knowledge Enterprise
Arizona State University

Sally C. Morton is executive vice president of Arizona State University's Knowledge Enterprise and is responsible for the University's research and economic development ecosystem. Morton advances research priorities, oversees ASU's transdisciplinary institutes and initiatives, and drives corporate engagement and strategic partnerships, entrepreneurship and innovation, technology transfer, and international development. She is a leader of the university's response to the CHIPS and Science Act, and coordinates Arizona's New Economy Initiative across ASU. Morton is a professor in the School of Mathematical and Statistical Sciences and the College of Health Solutions. Her career has spanned both higher education and industry – including leadership positions at the University of Pittsburgh, Virginia Tech, RTI International and the RAND Corporation. She is internationally recognized in the use of statistics and data science to help patients, their families and providers make better health care decisions. Morton received a Ph.D. in statistics from Stanford University.

Dr. Ali Nejadmalayeri
John A. Guthrie Chair in Banking and Financial Services
University of Wyoming

Ali Nejadmalayeri, Ph.D., CFA holds the John A. Guthrie Chair in Banking and Financial Services at the College of Business of the University of Wyoming. He is also the John and Esther Clay Honors College Faculty Fellow. Prior to joining UW, he held the ONEOK Chair in Finance and Jay and Fayenelle Helm Professorship in Business at Spears School of Business of Oklahoma State University. Concurrently, he was also the finance Ph.D. program director. Between 2001 and 2006, he was an assistant professor of finance and the finance area coordinator at the College of Business Administration of the University of Nevada-Reno. He has taught a wide range of undergraduate and graduate (MBA and doctoral) finance courses about bank management, markets and institutions, portfolio management, investment theory, and corporate finance. He coached OSU's trading team. He was the faculty advisor to student-managed fund at the University of Nevada-Reno. His teaching efforts have earned him a number of nominations for best teacher awards over the years. Just before joining the University of Wyoming, he won the coveted "2017 Merrick Foundation Teaching Award on the American Free Enterprise System" at OSU. He is currently writing a textbook tentatively titled "Blockchains, FinTech, and Digital Financial Services."

Nejadmalayeri has published in major finance and economics journals, including the *Review of Finance*, the *Journal of Business*, the *Journal of Banking and Finance*, the *Journal of Corporate Finance*, the *Journal of Real Estate Finance and Economics*, and the *Journal of the Academy of Marketing Science*. His recent published research deals with the network economics of bondholders, the interaction of corporate decisions (taxes, advertising, etc.) and the

credit risk pricing, as well as the macroeconomics of digital money (stablecoins). His research has been recognized with numerous awards and accolades including Spears Poole Research Award (2012, 2013, 2015), McGraw-Hill/Irwin Distinguished Paper Award MBAA 2005, and Nevada Alpha Chapter of BETA GAMMA SIGMA 2003 Researcher of the Year Award, the prestigious "2016 OSU-Tulsa President's Outstanding Researcher of the Year" award, and Wyoming's 2022 Belt Buckle. Nejadmalayeri currently serves as a Senior Editor for Global Finance Journal.

Nejadmalayeri holds a Ph.D. in Finance from the University of Arizona, an M.B.A. degree from Texas A&M University and, a Bachelor of Science degree in Electrical Engineering from the University of Tehran.

Dr. Joseph J. Pancrazio
Vice President of Research and Innovation
University of Texas at Dallas

Joseph J. Pancrazio earned a B.S. degree in Electrical Engineering from the University of Illinois, Urbana, in 1984, and M.S. and Ph.D. degrees in Biomedical Engineering from the University of Virginia (UVa), Charlottesville, in 1988 and 1990, respectively. His Ph.D. training focused on the ion channel electrophysiology using the patch clamp technique. After postdoctoral training in pharmacology in the Department of Anesthesiology as a recipient of a National Research Service Award, he received a joint appointment in the Departments of Anesthesiology and Biomedical Engineering as an Assistant Professor of research at the UVa in 1991.

In 1997, he joined Georgetown University Department of Biochemistry and Molecular Biology as an Assistant Professor working at the US Naval Research Laboratory (NRL) in Washington, DC. In 1998, he joined the NRL as a Principal Investigator at the Center for Bio/Molecular Science and Engineering, becoming the Head of Code 6920, the Laboratory of Biomolecular Dynamics, in 2002.

Dr. Pancrazio joined the Repair and Plasticity Cluster of NIH in the National Institute of Neurological Disorders and Stroke (NINDS) in January of 2004, where he served as the Program Director for neural engineering and the neural prosthesis program. In October 2009, he joined the faculty in the Volgenau School of Engineering as Professor of Electrical and Computer Engineering and Director of the new Bioengineering Program. He served as the founding Chair of the Department of Bioengineering at Mason from 2011 to 2015. In 2011, Dr. Pancrazio was elected to the College of Fellows in the American Institute for Medical and Biological Engineering, a distinction reserved for the top 2 percent of the field.

From 2012-2016, he has served as the Chair of the Steering Committee for Neural Interfaces Conference, an international meeting central to the neurotechnology field. In August 2015, Dr. Pancrazio joined UT-Dallas as a Professor of Bioengineering and Associate Provost. In 2018, he was selected after a nationwide search to serve as the UT-Dallas Vice President for Research and Innovation.

Mr. Josh Parker
Chairman and CEO
Ancora L&G

Josh Parker is the Founder, Chairman, and CEO of Ancora L&G (Ancora), a US based real assets investment partnership with Legal & General Group plc (LGEN:LN). Ancora invests in real estate that is proximate to or in partnership with Anchor Institutions to support and enhance their mission and strategic priorities. Mr. Parker is a leader in the anchor institution, life sciences, and innovation real estate sectors with over 20 years of unique real estate experience in adaptive re-use, urban redevelopment, innovation and entrepreneurship initiatives, and university leased real estate. He is a full member of the Urban Land Institute and sits on the University Development & Innovation Council, serves as a Trustee of The Duke School, and has served as President of Preservation

Durham, Chair of the Cultural Advisory Board and as a member of the Durham Civic Center Authority. He is a graduate of North Carolina Central University.

Dr. Bill Pike
Chief Science and Technology Officer
Pacific Northwest National Laboratory

Dr. Bill Pike is Chief Science and Technology Officer (CSTO) for the National Security Directorate, where he guides organizational vision and strategy for PNNL's growing national security mission.

The CSTO office is responsible for establishing long-term R&D strategy across PNNL's $700 million national security portfolio, including nonproliferation and nuclear science, AI and advanced computing, chem/biodefense, and systems engineering and deployment. He guides organizational processes for assessing geopolitical and technological trends, market needs, and internal capability directions, and translates those into actionable strategies to deliver mission impact for sponsors. He also develops strategic institutional partnerships with leading universities, research institutes, and private companies to accelerate the development and delivery of novel capabilities for national needs in science, energy, and security.

Bill was Division Director for Computing and Analytics from 2014 to 2022, where he grew an R&D capability in advanced computing, data analytics, cybersecurity, and software engineering to nearly 550 staff. Previously, he was Technical Group Manager for Visual Analytics and the R&D coordinator for the National Visualization and Analytics Center.

Since joining PNNL in 2005, he has led R&D programs in threat discovery, energy reliability, disaster response, cyber situational awareness, and identity management, and has commercialized many of these capabilities. He is a passionate advocate for data-driven decision-making and has helped organizations enhance their performance and strategic planning processes through new analytics and data products.

Bill holds a Ph.D. from Pennsylvania State University and a BA from Carleton College.

Dr. Albert (Al) P. Pisano
Dean and Walter J. Zable Distinguished Professor,
Jacobs School of Engineering
University of California, San Diego

Albert P. Pisano was appointed Dean of the Jacobs School of Engineering at UC San Diego on September 1, 2013, where he holds the Walter J. Zable Chair. He was elected to the National Academy of Engineering in 2001.

Previously, Pisano served on the UC Berkeley faculty for 30 years where he held the FANUC Chair of Mechanical Systems and was co-director of the Berkeley Sensor & Actuator Center. Since 1983, Pisano has graduated over 70 Ph.D. and 75 M.S. students. From 1997 to 1999, Pisano was a program manager for the MEMS Program at DARPA.

Pisano earned his undergraduate ('76) and graduate degrees ('77, '80, '81) in mechanical engineering at Columbia University. Prior to joining academia, he held research positions with Xerox Palo Alto Research Center, Singer Sewing Machines Corporate R&D Center and General Motors Research Labs.

Pisano's research interests include: micro electromechanical systems (MEMS) wireless sensors for harsh environments (600°C) such as gas turbines and geothermal wells; and additive, MEMS manufacturing techniques such as low-temperature, low-pressure nano-printing of nanoparticle inks and polymer solutions. He is a co-inventor listed on more than 36 patents in MEMS and has co-authored more than 400 archival publications.

Dr. Cynthia (Cindy) Powell
Chief Science & Technology Officer, Energy and Environment
Pacific Northwest National Laboratory

Dr. Cindy Powell is currently the Chief Science and Technology Officer for Energy and Environment at the Pacific Northwest National Laboratory (PNNL), where she is responsible for leading the scientific, technology and engineering vision for the Lab's applied energy mission. Cindy joined PNNL in 2017 as the Division Director for the Energy Processes and Materials Division. As Division Director, Cindy helped steward and grow the division's capabilities in science and engineering to create and deliver real-world solutions for clean and secure energy. She stewarded capabilities in key research areas including advanced energy systems, applied materials and manufacturing, battery materials and systems, and chemical and biological processing.

Previously, Dr. Powell worked for DOE's National Energy Technology Laboratory (NETL) as researcher, line manager, Chief Research Officer, and as the Executive Director for Research & Innovation. These R&D activities included leading 400 multidisciplinary staff at research locations in Pennsylvania, West Virginia, and Oregon. In 2016, Dr. Powell received the DOE Secretary's Achievement Award for her efforts in leading the research effort at NETL. In addition, she is the recipient of an R&D 100 Award for BlackGold®, an erosion-resistant coating for turbine compressor air foils, in partnership with MDS Coating Technologies and Delta Airlines; and a Carnegie Science Award for Corporate Innovation for the creation and implementation of the NETL-Regional University Alliance with five universities.

As a materials research engineer, she is an accomplished author with multiple publications, patents, and presentations. Dr. Powell earned her B.S. and M.S. degrees in Ceramic Engineering at Clemson University and her Ph.D. in Materials Science at Case Western Reserve University.

Dr. Shashank Priya
Vice President for Research
University of Minnesota

Shashank Priya serves as the University of Minnesota's vice president for research, a role he assumed on September 30, 2022. In this position, he oversees a $1+ billion research enterprise across all campuses and facilities. He manages units responsible for administration of sponsored projects, research and regulatory compliance, and technology commercialization, as well as 10 interdisciplinary academic centers and institutes. He also oversees a growing corporate engagement portfolio for the University.

Prior to joining the University, Priya served as associate vice president for research and director of strategic initiatives at Penn State, where he managed several functions of the research office, including the Limited Submissions, the Office of Postdoctoral Affairs, the Commonwealth Campus Research Program, the Strategic Interdisciplinary Research Office (SIRO), the equipment program for core-facilities, and the International Joint Innovation Partnerships. During his tenure, he reorganized SIRO and doubled its size which led to an increased number of proposal submissions with high funding rate. He seeded research activities across Penn State's multiple campuses in form of small grants to work with core facilities and large grants to form center nodes. He also grew international research partnerships with universities in Europe, Australia, and Asia and worked with university-wide core facilities to develop plans for equipment needs. As part of his strategic initiatives portfolio, he organized faculty teams on developing new ideas and worked with them on securing funding.

At Penn State, Priya was a materials science and engineering professor and a mechanical engineering adjunct professor. He previously taught at Virginia Tech, where he was the associate director of the Institute for Critical Technology and Applied Science and the Robert E. Hord Jr. Professor of Mechani-

cal Engineering. Priya has industry experience as a senior research engineer for APC International and government experience as an IUCRC program director with the National Science Foundation.

He received his Ph.D. in materials engineering from Penn State, where he was fortunate to be a part of the Materials Research Laboratory, an interdisciplinary group of faculty who conducted collaborative research. This experience shaped his belief that shared facilities, shared technical and administrative staff, and collaborative research have a positive impact on research enterprises.

His dissertation focused on piezoelectric materials and their usage in underwater transduction and subsequent research explores the conversion of one form of energy into another, with an emphasis on three topical areas: multifunctional materials such as piezoelectrics and multiferroics; energy harvesting such as solar cells and thermoelectrics; and bio-inspired robotics such as jellyfish and millipede inspired robots. To date, he has published over 450 peer-reviewed journal papers and book chapters and more than 60 conference proceedings. Additionally, he has published ten edited books, holds 12 patents, and has given more than 290 conference presentations and invited lectures

Originally from India, Priya earned a BS in math and physics from Allahabad University and an MS in metallurgy from the Indian Institute of Science.

Throughout his career, Priya has earned numerous honors, including the D.T. Rankin Award and the Richard M. Fulrath Award from the American Ceramic Society. He was a COR Research Leader Fellow with the Association of Public & Land-Grant Universities. Priya is the founder and chair of the Annual Energy Harvesting Meeting. Pronunciation: shuh-SHAHNK PREE-yah.

Dr. Padma Raghavan
Vice Provost for Research and Innovation
Vanderbilt University

Padma Raghavan is the Vice Provost for Research and Innovation, Senior Advisor to the Chancellor, and Distinguished Professor of Computer Science at Vanderbilt University.

As Vice Provost for Research and Innovation, Raghavan oversees the advancement of the university's research and innovation portfolio, ranging from technology transfer and commercialization across Vanderbilt University and Vanderbilt University Medical Center, to the development of long-term strategic partnerships spanning higher education, government, and the private sector. Examples of these partnerships include Ancora Innovation, a partnership with pharmaceutical giant Deerfield Management to accelerate the development and delivery of life-changing therapeutics, and the Pathfinder project, a partnership with the U.S. Army to rapidly develop mission critical solutions. Prior to joining Vanderbilt in 2016, Raghavan served as the Associate Vice President for Research and Strategic Initiatives, the founding Director of the Institute for Computational and Data Sciences, and Distinguished Professor of Computer Science and Engineering at Penn State.

In her faculty role, Raghavan specializes in high-performance computing (aka supercomputing), with a focus on new algorithms to achieve parallel processing at scale, enable fault-tolerant and energy-efficient computing, and gain scientific insights through computational modeling and simulation. Raghavan has received several recognitions including the National Science Foundation's CAREER award, and elevation to Fellow of the Institute of Electrical and Electronics Engineers (IEEE) and Fellow of the American Association for the Advancement of Science. She is also active in the profession, currently serving on the advisory committees of the Computing and Information Science and Engineering Directorate and the Office of International Science

and Engineering at the National Science Foundation, and on the Board of Governors of UT-Battelle, which operates the Department of Energy's Oak Ridge National Laboratory. In 2022, Raghavan was appointed to a two-year term on the President's Committee on the National Medal of Science, which evaluates the nominees for the National Medal of Science award, which is the highest recognition the nation can bestow on scientists and engineers.

Dr. Cooper Rinzler
Senior Partner
Breakthrough Energy Ventures

Cooper is a technologist, investor, and entrepreneur with a history of building and leading teams to develop and commercialize technologies in early-stage ventures. He is currently a partner at BEV focused on enabling entrepreneurs to translate innovation into scaled climate impact and creating the frameworks and investment vehicles that support the efficient development and deployment of solutions to the most recalcitrant challenges in climate.

Cooper has created and operated companies in the geothermal, energy storage, materials, metals and minerals, semiconductor, food and agriculture, nuclear, emissions mitigation, and retail industries. He has more than 100 patent filings totaling over 4,000 claims.

Cooper also continues to advise a diverse set of organizations defining new asset classes for investment in climate change mitigation and climate tech innovation. He serves as a Director of the Hertz Foundation, an organization dedicating to enabling the most talented scientists and engineers in our country to have careers of deep impact.

Cooper is a Hertz Fellow with a Ph.D. in Materials Science and Engineering from MIT and a joint AB in Physics and Engineering Physics from Harvard University.

Dr. Melanie Roberts
Director, State and Regional Affairs
Pacific Northwest National Laboratory

Melanie Roberts is director of state and regional affairs at Pacific Northwest National Laboratory (PNNL). In this role, she collaborates with regional leaders and associations to advance mutual interests and amplify PNNL's regional impact.

Roberts began her career as a neuroscientist and transitioned to policy through as an American Association for the Advancement of Science (AAAS) science and technology policy fellowship, where she worked to advance innovation policy and interdisciplinary research in the U.S. Senate and the National Science Foundation. Over the fifteen years, she has served in leadership roles that build capacity and opportunity for scientists and engineers to collaborate across boundaries on complex societal challenges. She founded and directed a community-engaged leadership program at AAAS, served as assistant director for collaborative research at the BioFrontiers Institute at the University of Colorado, and served as an independent consultant specializing in strategic partnerships and multidisciplinary program design.

Roberts has served on numerous advisory committees, including the Committee on Graduate STEM Education for the 21st Century at the National Academy of Sciences and the President's Council at Olin College. She is an honorary fellow of the American Association for the Advancement of Sciences.

Roberts completed a Ph.D. in in neuroscience at the University of Washington and a postdoctoral fellowship in science and innovation policy at the University of Colorado Boulder.

Dr. Karma Sawyer
Director, Electricity Infrastructure and Buildings Division
Pacific Northwest National Laboratory

Dr. Karma Sawyer is the Director of the Electricity Infrastructure and Buildings (EI&B) Division, responsible for shaping and managing a vision and strategy to assure that PNNL addresses DOE's most important energy efficiency, clean energy and electricity infrastructure challenges. The EI&B Division consists of more than 400 staff members in six technical groups.

Prior to joining PNNL, Karma served as the Program Manager for Emerging Technologies at DOE's Building Technologies Office. In this role, she developed and executed multi-year R&D strategies across a range of building technologies. She also worked collaboratively with the national labs and external stakeholders to advance cross-cutting initiative, such as the Grid-interactive Efficient Buildings, Advanced Building Construction and Grid Modernization Initiatives. From 2010-2013, Karma served as an Assistant Program Director and Fellow at ARPA-E, focusing on carbon capture and thermal storage technologies.

Dr. Sawyer earned a Ph.D. in Chemistry from the University of California, Berkeley in 2008. She also holds a B.S. in Chemistry from Syracuse University.

Dr. Ed Seidel
President
University of Wyoming

Ed Seidel is the 28th President of the University of Wyoming, a role he began on July 1, 2020. He is a distinguished academic known internationally for scientific excellence, bold vision and dynamic and collegial leadership with a track record of advancing scientific research, technology development and economic progress at the university, state, and national levels.

Ed has leveraged that experience to develop a vision for UW's continued success that includes programs designed to enhance student success, broaden UW's service to the state, and ensure the long-term financial stability of UW.

Seidel received his Ph.D. in relativistic astrophysics from Yale University. He is a fellow of the American Physical Society and the American Association for the Advancement of Science. Ed and his partner Dr. Gabrielle Allen are avid skiers and enjoy hiking and camping in Wyoming's great outdoors.

Ms. Jaclyn L. Shaw
Interim Vice President for Research, Economic Development and Knowledge Enterprise
The University of Texas at San Antonio

Jaclyn L. Shaw is the Interim Vice President for Research, Economic Development and the Knowledge Enterprise and Associate Vice President for Strategic Research Initiatives at The University of Texas at San Antonio (UTSA). Jaclyn is responsible for the leadership and oversight of strategic research development efforts within the Office of the Vice President for Research, Economic Development and the Knowledge Enterprise (REDKE). Jaclyn serves as UTSA's liaison for external research and development (R&D) partnerships with government agencies, research nonprofits, national laboratories, and private corporations. She leads federal relations, proposal development, faculty development, internal seed investments and research marketing and communications.

From 2013 to current, Jaclyn has served in various roles at UTSA, including Chief Operating Officer with the Cybersecurity Manufacturing Innovation Institute, Assistant Vice President for Strategic Initiatives and Research Partnerships and the Director for Research Support within the REDKE. Major responsibilities include operational planning and partnership development efforts for the Cybersecurity Manufacturing Innovation Institute (CyManII). She also serves as

REDKE's advisor to the National Security Collaboration Center (NSCC) and the School of Data Science, in support of the university's expansion as an Urban Serving University in San Antonio, Texas.

Prior to joining UTSA in 2013, Jaclyn served in multiple roles (2011-2013) within MedStar Health, the mid-Atlantic's largest healthcare system. She was responsible for operational management for the public health arm of MedStar St. Mary's Hospital. As a means to fund major initiatives within the system, Jaclyn secured funding from government and private sector partners for public health programming, capital projects and health information technology.

Before joining MedStar, Jaclyn acted as an Emergency Manager (2008-2011) in southern Maryland and held the position of Chair for the Tri-County Homeland Security Council for the Maryland Emergency Management Agency (MEMA). She led emergency joint operations, providing financial and programmatic support for fire, police and emergency medical services.

Jaclyn obtained a Bachelor of Arts in Public Administration from the University of Hawaii, a Master of Science degree in Integrated Homeland Security Management and a Certificate in Security Assessment and Management from Towson University (University System of Maryland).

Dr. Justin B. Siegel
Associate Professor of Chemistry, Biochemistry & Molecular Medicine; Faculty Director, UC Davis Innovation Institute for Food and Health

Justin Siegel is an associate professor of Chemistry, Biochemistry and Molecular Medicine at the UC Davis Genome Center. He received his B.S. in Biochemistry from UC Davis in 2005 and his Ph.D. in Biomolecular Structure and Design from the University of Washington in 2011, after which he returned to UC Davis to begin his research lab.

His scientific focus in the design and discovery of enzymes of interest to modern society. Through strong industrial and cross-disciplinary collaborations. Siegel has engineered enzymes for a wide range of applications, including therapeutics development, natural product production, enhancing nutrient bioavailability, and fuel or chemical production.

He is co-inventor on more than 100 global patents, has over 50 publications, and is a founding member of six companies (Bio Architecture Labs, PvP Biologics, Digestiva, Peak B, New Syn, SFS Advisors), three international consortiums (Rosetta Commons Board, FoodShot Global, Innovation Institute for Food & Health), and two national consortiums (D2D Cure, AI Institute for Next Generation Food Systems).

Mr. Paul P. Skoutelas
President and CEO
American Public Transportation Association

Paul P. Skoutelas is president and chief executive officer of the American Public Transportation Association (APTA). His entire career has been in public transportation, serving in both the public and private sectors.

Skoutelas is a champion for the power of public transportation to create personal and economic opportunities for all and to connect and build thriving communities. He testifies often before Congress and is a frequent speaker on public transportation issues as APTA leads the industry's transformation in the new mobility era.

Prior to joining APTA in 2018, Skoutelas served as senior vice president for WSP USA, one of the world's largest architectural and engineering firms and national director of WSP USA's Transit & Rail Technical Excellence Center. He also was chief executive officer at the Port Authority of Allegheny County (PAT), Pittsburgh, Pennsylvania, and the Central Florida Regional Transportation Authority (LYNX), Orlando, Florida.

Skoutelas serves on numerous boards and committees, including the Transportation Research Board, Mineta Transportation Institute, ENO Center for Transportation, Transportation Learning Center and the Alliance to Save Energy's 50×50 Commission on U.S. Transportation Sector Efficiency. He is a member of the U.S. Department of Energy's Executive Advisory Board on Smart Mobility and Carnegie Mellon University's Mobility 21 Advisory Council. Additionally, he serves on the Board of MPact (formerly Rail-Volution) and the Transportation Technology Center, Inc.

He is also a long-time member of WTS International and is its 2020 recipient of the Honorable Ray LaHood Award. Under Skoutelas's tenure, APTA also received the Employer of the Year Award from the WTS-DC chapter. Skoutelas has been a long-standing member and sponsor of the Conference of Minority Transportation Officials (COMTO).

Skoutelas received bachelor's and master's degrees in civil engineering from The Pennsylvania State University and a master's degree in business administration from the University of Pittsburgh. He is a licensed professional engineer.

Dr. Elisa Stephens
President
Academy of Art University

Dr. Elisa Stephens became President of the Academy of Art University in 1992, the third-generation Stephens to lead the university since its founding by her grandparents in 1929.

Under her leadership, Academy of Art University has become the largest accredited private university of art and design in the United States with over eleven thousand undergraduate and graduate students on a unique urban campus in downtown San Francisco, and throughout the world online.

Dr. Stephens has pioneered the creation of online education programs in art and design, and expanded the curriculum to stay on the leading edge of new technologies and industry trends. Her visionary work has propelled Academy of Art University to be the first choice for students seeking a world-class education and the first choice to those seeking to employ artists globally.

Dr. Stephens is a member of Council on Competitiveness and National Commission on Innovation & Competitiveness Frontiers in Washington DC, the Prince of Wales Foundation, Vistage International, San Francisco Committee on Jobs, San Francisco Chamber of Commerce, Belizean Grove, San Francisco City Club, Metropolitan Club and the San Francisco Opera Guild. Dr. Stephens is a Smithsonian National Board Alumni Member and served on the Smithsonian Institution National Board from 2014-2017.

Dr. Stephens received a Bachelor of Arts degree in political science from Vassar College and a J.D. from the University of San Francisco. She is a member of the California Bar Association. She also completed the Foundations curriculum at the Academy of Art University.

Mr. Andrew Thompson
Managing Director and Co-Founder
Spring Ridge Ventures

Andrew Thompson is a Silicon Valley based Chief Executive, entrepreneur and investor with a 30-year track record of successful technology-based innovation. As a Founder and Chief-Executive he has raised over $750M in private, public and corporate capital for first-in-category companies and personally negotiated three successful M&A transactions with Fortune 50 enterprises. Adam Bryant's profile of Thompson in the *New York Times* "Corner Office" was one of the most shared in the whole series.

From 2003 to 2020 he was Co-Founder, Chief Executive and Board Member of Proteus Digital Health, leading the company to unicorn status and a valuation of over $1.5B. The company's digital medicine solutions dramatically improved clinical outcomes delivered by oral drugs and have the potential to enable a more sustainable model for innovation in pharmaceuticals that leverages the power of silicon, software and mobile devices. From 1994 to 1999 he was Co-Founder, Chief Executive and Board Member of FemRx, a pioneer of innovative solutions for women's health, completing a NASDAQ IPO and subsequent sale to J&J. From 1991 to 1993 he was Co-Founder and Chief Financial Officer of CardioRhythm, a leader in minimally invasive arrhythmia surgery, acquired by Medtronic. From 1992 to 1995 he was Chairman of the Board at Kistler Morse, a leader in quartz instrumentation, engineering a turn-around and sale of the company to Danaher. Andrew began his career as a consultant with Booz Allen & Hamilton and subsequently worked with Mayfield Fund originating healthcare companies.

Thompson is also accomplished at using technology to innovate in the public sector. Since 2002 he has been Co-Founder and Board Member of Summit Schools, a leading Charter School organization with an acclaimed track record and unique digital platform, featured in the Davis Guggenheim movie "Waiting for Superman". Since 2004 he has worked in digital humanities innovation as a member of the Stanford University Libraries Board and was a co-founder of Parker Library Online, a leading destination for digital medieval studies. He is actively engaged with government leaders in Estonia who have made that country the most digitally enabled society in the world, with 2000 government services delivered from a single secure spine.

Andrew Thompson is widely recognized as a thought leader in healthcare and technology. From 2009 he has been a frequent presenter for the World Economic Forum, first as a Technology Pioneer, then North American Forum Advisor. He served on the California Governor's Health IT Security Advisory Board, is a Commissioner of the United States National Council on Competitiveness, a Member of the Dean's Advisory Council of the Keck Graduate Institute School of Medicine, an Associate of Oxford University's Creative Destruction Lab and an Advisor to several private companies.

He holds masters' degrees in Engineering (Cambridge), Education (Stanford) and Business (Stanford GSB) and is a named inventor on over 50 issued patents.

Mr. John Thompson
Technology and Markets Director
Clean Air Task Force

John Thompson promotes new technology and policy solutions to address climate change that emphasize carbon capture, utilization, and storage (CCUS).

His current work focuses on policy design to overcome barriers facing carbon capture and sequestration.

These include policies to develop new transformational carbon capture technologies and overcoming economic and infrastructure barriers that limit the application of CCUS in industry, power, and zero-carbon fuels markets.

John's past work includes facilitating technology transfer between U.S. and Chinese companies, using economic models to determine the impact of potential federal policies on CCUS deployment, and advocating federal regulatory policies that limit carbon dioxide emissions.

John is a frequent presenter on carbon capture and sequestration at conferences in the United States, China, and Europe. Since 2012, he has served on the National Coal Council, an advisory body to the Secretary of the Department of Energy.

John holds a B. S. in chemical engineering from the University of Illinois, Champaign-Urbana, as well as an M.B.A. from Olin School of Business at Washington University in Saint Louis.

Ms. Van Ton-Quinlivan
CEO
Futuro Health

Van Ton-Quinlivan is a nationally recognized thinker and do-er in workforce development and a catalyst for inclusive economic mobility through higher education. Her distinguished career spans the public, private and nonprofit sectors.

Formerly Executive Vice Chancellor of the California Community Colleges, Ton-Quinlivan has been quoted as an expert on higher education in the *New York Times*, *Chronicle of Higher Education*, *Insider Higher Education*, *Stanford Social Innovation Review*, *U.S. News & World Report* and other publications. She is a frequent speaker including events hosted by the National Governor's Association, Brookings Institute, Aspen Institute, Stanford's Hoover Institution, RAND Corporation, and numerous other forums.

Currently, Ton-Quinlivan is the CEO of Futuro Health, whose nonprofit mission is to improve the health and wealth of communities by growing the largest network of allied healthcare workers in the nation. She is an appointee of Governor Newsom to the Health Workforce Education and Training Council responsible for coordinating California's health workforce education and training to meet the state's needs.

In 2013, Ton-Quinlivan was named a White House Champion of Change under the Obama administration in recognition of her notable career in industry, education, and service as a community leader. She received the California Steward Leader Award in 2017 for her dedication to collaboration and work with public, private, and civic leaders to support economic and social mobility for state residents. From 2019-2022, she served as a mediaX Distinguished Visiting Scholar at Stanford University.

Ton-Quinlivan serves on the boards of the National Skills Coalition, National Student Clearinghouse, and Silicon Valley Community Foundation. In addition, she is an advisor to the Achieve Partners venture fund, Putting America Back to Work, and is a member of the Apprenticeships for America Advisory Council. Ton-Quinlivan is a podcast host and author of best-seller book, *WorkforceRx: Inclusive and Agile Strategies for Employers, Educators and Workers during unsettled Times*. She resides with her husband and two children in California.

Dr. H. Rao Unnava
Michael and Joelle Hurlston Dean, University of California, Davis Graduate School of Management

Dean Unnava's research focuses on issues related to brand loyalty, consumer response to advertising and sales promotions and consumer memory. His work has appeared in the *Journal of Marketing Research*, *Journal of Consumer Research*, *Marketing Letters*, *Personality and Social Psychology Bulletin*, *Journal of International Consumer Marketing* and *Advances in Consumer Research*. He is on the editorial review boards of the *Journal of Consumer Research* and the *Journal of Consumer Psychology*.

Unnava's teaching experience includes courses at the undergraduate and graduate levels, including marketing management and strategy, marketing research, consumer behavior, promotional strategy, human memory processes and international marketing. He was named Outstanding Undergraduate Teacher by the student chapter of American Marketing Association seven times, won the Westerbeck Undergraduate teaching award twice, and was awarded the Bostic-Georges service award in 2014.

Unnava joined the Graduate School of Management in June 2016 following 32 years at The Ohio State University's Fisher College of Business, where he earned his Ph.D. and served as the W. Arthur Cullman professor of marketing. At the Fisher College of Business, Unnava also served as the associate dean of undergraduate programs, associate dean of executive education, and director of doctoral programs in business.

Unnava is also one of the founders of Angi (formerly Angie's List). He is currently on the board of directors of PRIDE Industries and serves on the board of the Bay Area Council.

Unnava earned his Ph.D. in business administration from The Ohio State University's Fisher College of Business, his Post Graduate Diploma in management from the Indian Institute of Management Calcutta, and his B.Tech. in electronics engineering from Jawaharlal Nehru Technological University.

Ms. Mary Ellen Wiederwohl
President and CEO
Accelerator for America

Mary Ellen Wiederwohl is the President and CEO of Accelerator for America, a national nonprofit that works with Mayors and economic development leaders to develop solutions to economic insecurity and share them with cities across the country. She has more than two decades of experience in business, civic leadership, and public affairs. She was the founding leader of Louisville Forward, the city's economic and community development arm; under her leadership from 2014-2020, Louisville Forward was named a Top Economic Development Organization six times by Site Selection Magazine. During her city tenure, Louisville experienced more than $17 billion of new capital investment, made substantial new investments in affordable housing, and introduced industry leading innovations in talent development and the future of work. She recently served as Interim President & CEO of LHOME, Louisville's homegrown CDFI.

Dr. Kim A. Wilcox
Chancellor
University of California, Riverside

Dr. Kim A. Wilcox serves as the ninth chancellor of UC Riverside where he has overseen transformational change since assuming his role in 2013. During Chancellor Wilcox's tenure, UCR has become a national model for achieving student success, particularly across socio-economic and ethnic categories. Named the No. 1 public university in the country for social mobility by *U.S. News* for four years running, UCR has also been described as "fastest rising" for its rapid ascendency through rankings and "most transformative" for its impact on students.

As the university's chief executive, Chancellor Wilcox has led expansive growth in research, enrollment, graduation rates, and physical development. The campus has added schools of medicine and public policy. Enrollment has grown more than 25 percent. UCR has also grown its faculty, adding two Nobel Prize winners while increasing the racial, ethnic, and gender diversity among incoming faculty members. To support these increases, the campus has added more than 2 million square feet in leading-edge laboratory facilities, state-of-the-art classrooms, and residential and dining facilities.

Ms. Megan Yeh
Senior Associate
Keybridge

Megan Yeh is a Senior Associate at Keybridge, where she serves as a project manager and data analyst for decision makers in industry associations and federal government agencies. She has almost four years of experience in applying decision sciences and data analytics to a wide range of public policy issues, including program design and evaluation, equity assessments, and strategic communications. Megan specializes in using mixed methods research to design, evaluate, and improve public policies and government programs.

She holds a Bachelor's degree in History and Anthropology from Washington University in St. Louis and a Master's degree in Public Policy from Duke University.

Logistics

Getting to the Summit Venue

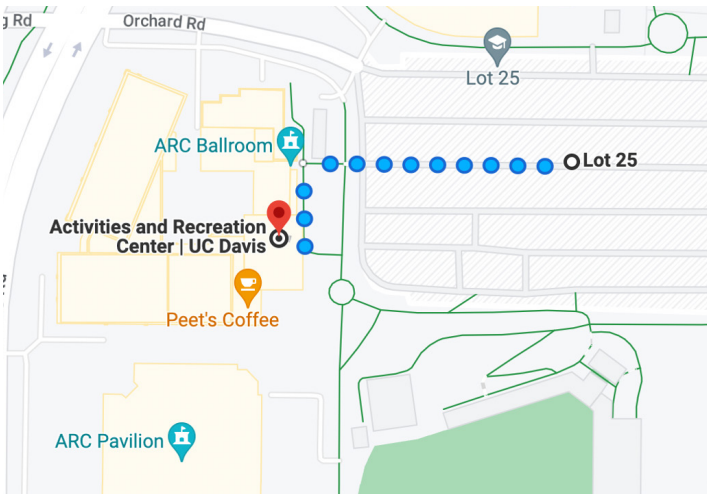
Activities and Recreation Center (ARC)
760 Orchard Road
Davis, CA 95616

The Summit will take place March 27th and 28th at the UC Davis Activities and Recreation Center (ARC).

Ride share apps—like Uber—and taxis are available in Davis. They can drop off and pick up at the ARC as needed. If you plan to drive to the ARC, please park your car at:

VP Lot 25
Orchard Rd
Davis, CA 95616

This parking lot is an approximately 2-minute walk from the venue (please see map below).



Daily Shuttle Schedules

Shuttle service will be available between the Summit locations and select hotels throughout the Summit. Please check the schedules for each day on the following pages.

Notes are also included in the agenda regarding shuttles for the Day 1 reception and dinner, and the Day 2 Innovation Immersion Tours.

Please note: There are staggered shuttle schedules for morning transport on both Summit days, and for the evening transport on Monday, March 27th to and from the reception and dinner.

If you miss any of the shuttles, ride share apps and taxis are also available. It is also an approximately 20-minute walk from ARC to the Mondavi Center. Please see page 59 for a map of the walking route.

Monday, March 27th: Morning

Shuttle service from select hotels to the ARC.

Shuttle A

Stop	Arrival	Departure
Residence Inn by Marriott Sacramento Davis 4647 Fermi Pl, Davis, CA 95618		7:05 a.m.
Hyatt House Davis 2750 Cowell Blvd, Davis, CA 95618	7:13 a.m.	7:16 a.m
Hilton Garden Inn Davis Downtown 110 F St, Davis, CA 95616	7:22 a.m.	7:25 a.m.
Best Western Plus Palm Court Hotel 234 D St, Davis, CA 95616	7:28 a.m.	7:31 a.m.
Hyatt Place UC Davis 173 Old Davis Rd, Davis, CA 95616	7:36 a.m.	7:39 a.m.
ARC 760 Orchard Rd, Davis, CA 95616	7:47 a.m.	

Shuttle B

Stop	Arrival	Departure
Residence Inn by Marriott Sacramento Davis 4647 Fermi Pl, Davis, CA 95618		7:18 a.m.
Hyatt House Davis 2750 Cowell Blvd, Davis, CA 95618	7:26 a.m.	7:29 a.m
Hilton Garden Inn Davis Downtown 110 F St, Davis, CA 95616	7:35 a.m.	7:38 a.m.
Best Western Plus Palm Court Hotel 234 D St, Davis, CA 95616	7:41 a.m.	7:44 a.m.
Hyatt Place UC Davis 173 Old Davis Rd, Davis, CA 95616	7:49 a.m.	7:52 a.m.
ARC 760 Orchard Rd, Davis, CA 95616	8:00 a.m.	

Monday, March 27th: Evening

After the reception and dinner, shuttle service will run from the Mondavi Center to the ARC and select hotels.

Shuttle A

Stop	Arrival	Departure
Mondavi Center for Performing Arts 523 Mrak Hall Drive, Davis, CA 95616		8:00 p.m.
ARC 760 Orchard Rd, Davis, CA 95616	8:07 p.m.	8:10 p.m.
Hyatt Place UC Davis 173 Old Davis Rd, Davis, CA 95616	8:18 p.m.	8:21 p.m.
Best Western Plus Palm Court Hotel 234 D St, Davis, CA 95616	8:26 p.m.	8:29 p.m.
Hilton Garden Inn Davis Downtown 110 F St, Davis, CA 95616	8:32 p.m.	8:35 p.m.
Hyatt House Davis 2750 Cowell Blvd, Davis, CA 95618	8:43 p.m.	8:46 p.m.
Residence Inn by Marriott Sacramento Davis 4647 Fermi Pl, Davis, CA 95618	8:54 p.m.	

Shuttle B

Stop	Arrival	Departure
Mondavi Center for Performing Arts 523 Mrak Hall Drive, Davis, CA 95616		8:15 p.m.
ARC 760 Orchard Rd, Davis, CA 95616	8:22 p.m.	8:25 p.m.
Hyatt Place UC Davis 173 Old Davis Rd, Davis, CA 95616	8:33 p.m.	8:36 p.m.
Best Western Plus Palm Court Hotel 234 D St, Davis, CA 95616	8:41 p.m.	8:44 p.m.
Hilton Garden Inn Davis Downtown 110 F St, Davis, CA 95616	8:47 p.m.	8:50 p.m.
Hyatt House Davis 2750 Cowell Blvd, Davis, CA 95618	8:58 p.m.	9:01 p.m.
Residence Inn by Marriott Sacramento Davis 4647 Fermi Pl, Davis, CA 95618	9:09 p.m.	

Tuesday, March 28th: Morning

Shuttle service from select hotels to the ARC.

Shuttle A

Stop	Arrival	Departure
Residence Inn by Marriott Sacramento Davis 4647 Fermi Pl, Davis, CA 95618		7:25 a.m.
Hyatt House Davis 2750 Cowell Blvd, Davis, CA 95618	7:3 3a.m.	7:39 a.m
Hilton Garden Inn Davis Downtown 110 F St, Davis, CA 95616	7:45 a.m.	7:48 a.m.
Best Western Plus Palm Court Hotel 234 D St, Davis, CA 95616	7:51 a.m.	7:54 a.m.
Hyatt Place UC Davis 173 Old Davis Rd, Davis, CA 95616	7:59 a.m.	8:02 a.m.
ARC 760 Orchard Rd, Davis, CA 95616	8:10 a.m.	

Shuttle B

Stop	Arrival	Departure
Residence Inn by Marriott Sacramento Davis 4647 Fermi Pl, Davis, CA 95618		7:45 a.m.
Hyatt House Davis 2750 Cowell Blvd, Davis, CA 95618	7:53 a.m.	7:59 a.m
Hilton Garden Inn Davis Downtown 110 F St, Davis, CA 95616	8:05 a.m.	8:08 a.m.
Best Western Plus Palm Court Hotel 234 D St, Davis, CA 95616	8:11 a.m.	8:14 a.m.
Hyatt Place UC Davis 173 Old Davis Rd, Davis, CA 95616	8:19 a.m.	8:22 a.m.
ARC 760 Orchard Rd, Davis, CA 95616	8:30 a.m.	

Tuesday, March 28th: Afternoon

Shuttle service from ARC to select hotels.

Shuttle A

Stop	Arrival	Departure
ARC 760 Orchard Rd, Davis, CA 95616		3:30 p.m.
Hyatt Place UC Davis 173 Old Davis Rd, Davis, CA 95616	3:38 p.m.	3:41 p.m.
Best Western Plus Palm Court Hotel 234 D St, Davis, CA 95616	3:46 p.m.	3:49 p.m.
Hilton Garden Inn Davis Downtown 110 F St, Davis, CA 95616	3:52 p.m.	3:55 p.m.
Hyatt House Davis 2750 Cowell Blvd, Davis, CA 95618	4:03 p.m.	4:06 p.m.
Residence Inn by Marriott Sacramento Davis 4647 Fermi Pl, Davis, CA 95618	4:12 p.m.	

Deeper Dive on the March 27th Evening Program: Reception, Fireside Chat and the Chancellor's Dinner

The Mondavi Center for Performing Arts—Vanderhoef Studio Theatre

523 Mrak Hall Drive
Davis, CA 95616

Chancellor Gary May will host Summit participants for a reception and dinner on March 27th, following Day 1 activities. Participants will have three options to transition from the ARC to the dinner venue:

- Shuttle bus (see schedule on page 55)
- 20-minute walk; or
- Drive themselves from ACR to the Mondavi Center (there two parking options for the evening; see maps below.)

Shuttle Bus

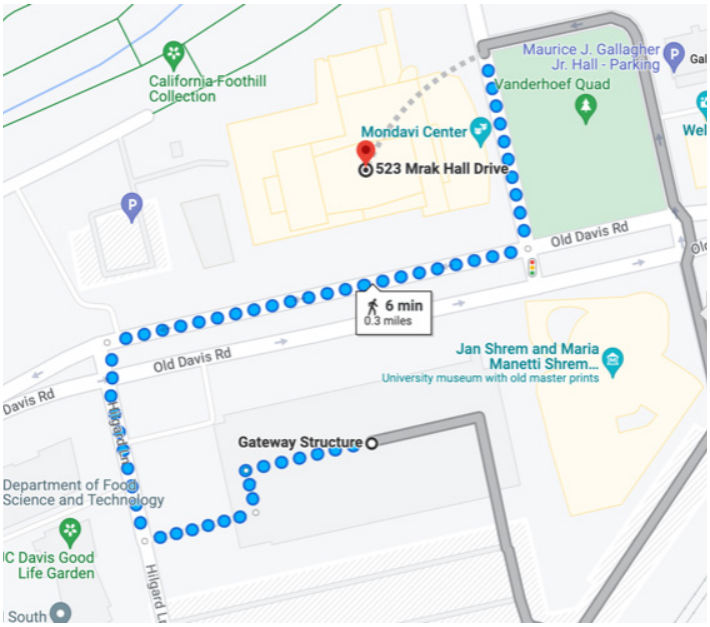
Participants will meet outside Ballroom A at the end of Day 1, and Summit staff will guide participants to shuttles heading to the Mondavi Center, the reception and dinner venue.

If you would like to walk from the ACR Summit venue (760 Orchard Road) to the Mondavi Center for Performing Arts, plan for a 20-minute stroll through campus (please see map on page 59).

Please Note: If you drive to the Summit on the 27th, you may either (1) drive your car from the ARC to the Mondavi Center after Day 1 concludes and park in either the Gateway Parking Structure or the VP Lot 2 highlighted below on the maps; or (2) a less recommended option is to leave your car at the ACR, take the shuttle to the Mondavi Center, and, after dinner, take the shuttle back to the ARC to retrieve your car.

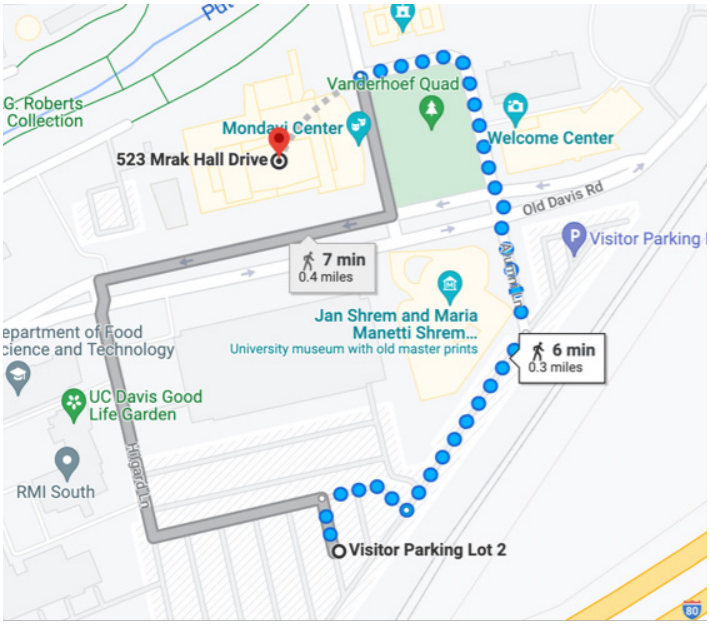
Gateway Parking Structure

Gateway Structure, Davis, CA 95616

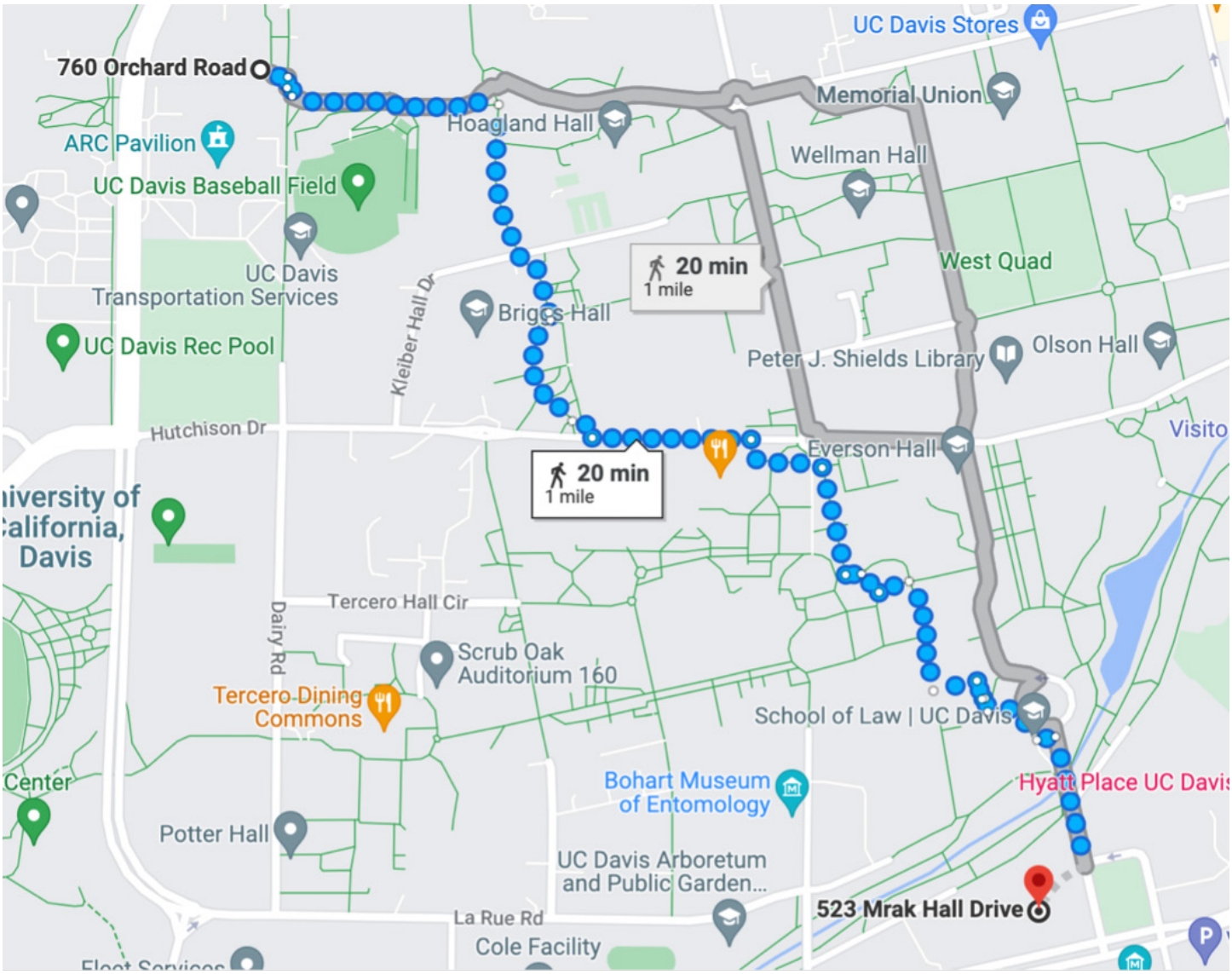


VP Lot 2

Visitor Parking Lot 2, Davis, CA 95616



Walking Route From the ARC to the Mondavi Center for the Performing Arts



Additional Details for the March 28th Innovation Immersion Tours

On Day 2 of the Summit, March 28th, participants will have the opportunity to join one of two "innovation immersions" tours to provide deeper insight into the complex, interconnected innovation ecosystem underpinning UC Davis. Participants will meet outside of the main plenary session near the Summit registration desk at around 1:30 p.m. Summit staffers from the Council and UC Davis teams will help sort participants by their choice and guide them to their respective shuttles.

Participants should plan to participate in the innovation immersion tours for just under 2 hours and return via shuttle to the ARC around 3:00 p.m.

Shuttles will bring participants back to the ARC at 3:00 p.m.

Innovation Immersion Option 1

Known for its world-renowned programs in agriculture, viticulture and food science, the teaching and research at UC Davis spurs innovative ideas to help solve real-world issues that communities and industries face. From using sustainable farm practices to developing new techniques for winemaking, UC Davis is leading the way in food and wine research. Explore some of the ways the university is accelerating and driving food and agriculture innovation by touring places on campus, including:

- The Robert Mondavi Institute for Wine and Food Science, a state-of-the-art teaching and research complex equipped with a winery, brewery, food pilot plant and milk processing laboratory. It also houses the UC Davis Olive Center and the Honey and Pollination Center, both of which are at the forefront of innovation by improving the quality of crops and products.
- The UC Davis Student Farm, which provides hands-on education and training for students to build and maintain sustainable food systems.

Innovation Immersion Option 2

UC Davis is home to a thriving engineering program that is constantly pushing the boundaries of innovation. From cutting-edge research to practical solutions that impact society, UC Davis engineers are making a difference in the world.

Get a glimpse into the many ways in which UC Davis engineers are making real-world impact and solving some of the challenges facing us in the years to come.

- UC Davis engineering is making significant strides in the field of sustainable energy. Researchers are developing new materials and technologies for renewable energy production, such as solar cells and wind turbines. They are also working on ways to store and distribute this energy efficiently and effectively.
- From droughts to flooding, heatwaves and wildfires, the need to adapt and strengthen community resilience to the impacts of climate change is critical and immediate. By developing solutions such as safer water systems, more robust fire-resistant materials, optimized irrigation, and novel cooling systems, UC Davis is engineering better ways to protect communities and make them more climate resilient.
- Another focus area for UC Davis engineering is healthcare technology. Engineers are designing new medical devices and technologies that improve patient outcomes and reduce healthcare costs. They are also developing new methods for disease diagnosis and treatment, such as precision medicine and targeted drug delivery.
- UC Davis engineers are also at the forefront of transportation innovation. They are working on new technologies for electric and autonomous vehicles, as well as developing new materials and designs for more efficient and sustainable transportation.

Miscellaneous

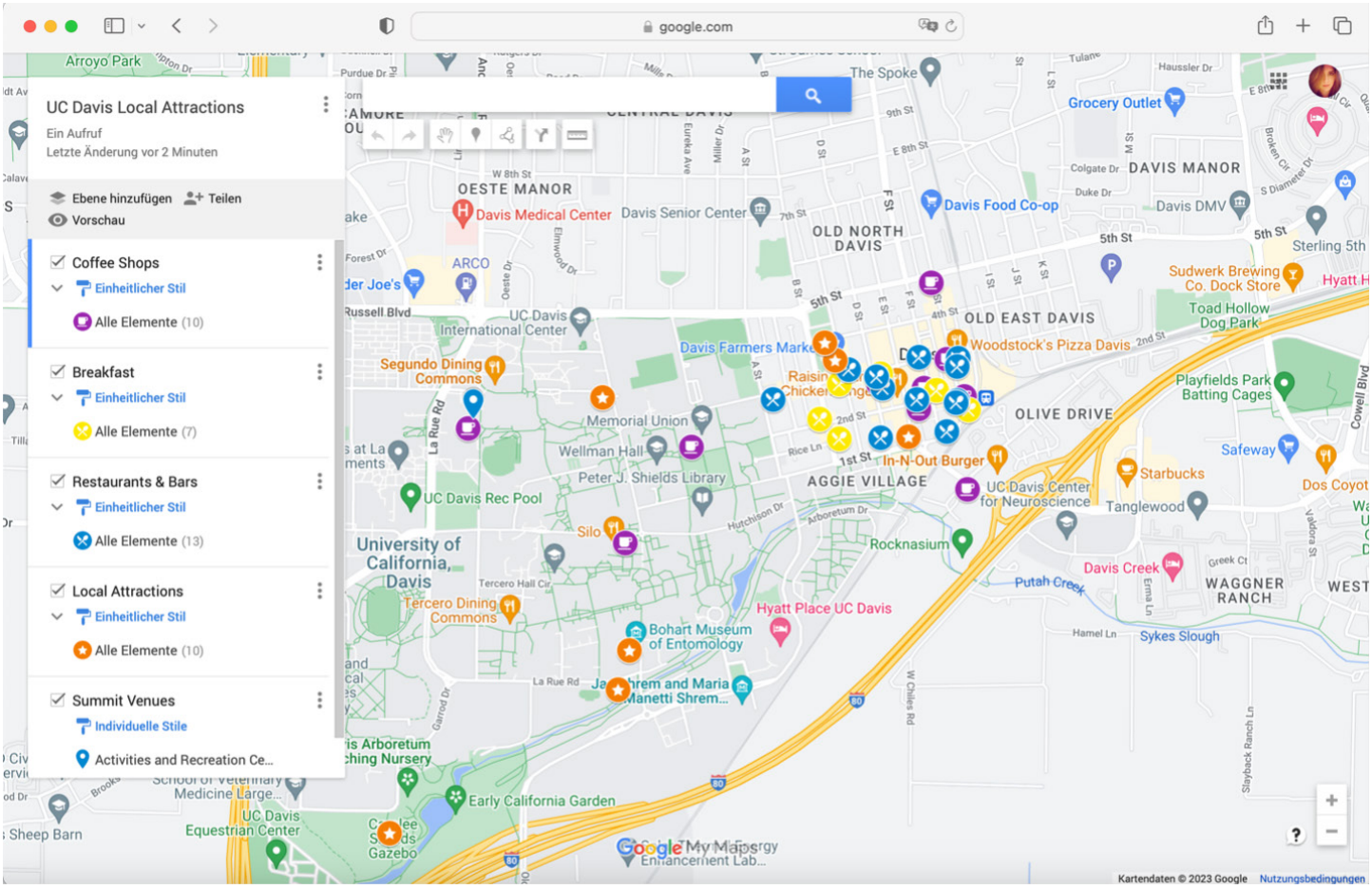
Weather

Daily high temperatures average at 70°F, rarely falling below 56°F or exceeding 80°F.

Daily low temperatures are around 45°F, rarely falling below 37°F or exceeding 53°F.

Local Attractions, Coffee Shops, Restaurants and Bars

Please click on the map below to see several recommendations for local attractions, coffee shops, restaurants, and bars in and near Davis.



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About the Council on Competitiveness

For more than three decades, the Council on Competitiveness (Council) has championed a competitiveness agenda for the United States to attract investment and talent, and spur the commercialization of new ideas.

While the players may have changed since its founding in 1986, the mission remains as vital as ever—to enhance U.S. productivity and raise the standard of living for all Americans.

The members of the Council—CEOs, university presidents, labor leaders and national lab directors—represent a powerful, nonpartisan voice that sets aside politics and seeks results. By providing real-world perspective to Washington policymakers, the Council's private sector network makes an impact on decision-making across a broad spectrum of issues—from the cutting-edge of science and technology, to the democratization of innovation, to the shift from energy weakness to strength that supports the growing renaissance in U.S. manufacturing.

The Council's leadership group firmly believes that with the right policies, the strengths and potential of the U.S. economy far outweigh the current challenges the nation faces on the path to higher growth and greater opportunity for all Americans.