



# BERKELEY INNOVATION FORUM

GARWOOD CENTER FOR CORPORATE INNOVATION

[ April 1 - 4, 2025 ]

## Making AI Sovereign: Bridging Geopolitical Divides for Open Solutions



NASA Ames Research Center, Moffett Field

Hotel: The Ameswell Hotel | 800 Moffett Boulevard Mountain View, CA 94043

**Day 1: Tuesday, April 1, 2025****Location: The Ameswell Hotel**

800 Moffett Blvd, Mountain View, CA 94043

**5:00pm - 5:45pm** ■ **Cocktail Reception and Welcome by Solomon Darwin**

**Solomon Darwin**  
Executive Director,  
Garwood Center for  
Corporate Innovation  
**BerkeleyHaas**

Solomon Darwin is the executive director of the Garwood Center for Corporate Innovation and former executive director of the Center for Financial Reporting and Management at the Haas School of Business. Prior to joining UC Berkeley, he was an associate professor at the University of Southern California from 1996 – 2005. Darwin has more than 13 years of Industry experience at Bank of America and Motorola and he has authored more than 8 books related to Open Innovation.

**5:45pm - 6:15pm** ■ **Introduction to NASA's Solar System Exploration Research Virtual Institute**

**Greg Schmidt**  
Director of Solar  
System Research  
Virtual Institute, NASA



Greg Schmidt is the director of the Solar System Exploration Research Virtual Institute at NASA Ames Research Center. He co-founded the NASA Ames Space Portal, advancing entrepreneurial space endeavors. A core team member in developing astrobiology, Schmidt fosters partnerships with commercial, academic, and international entities to promote space exploration. He holds a B.S. in physics from UC Berkeley and an M.S. in biomedical engineering from UCSD.

**6:15pm - 7:00pm** ■ **Fireside Chat moderated by Solomon Darwin - Balancing Values in a Fast-Paced GenAI World**

**Pat Gelsinger**  
Former CEO, Intel



Patrick Paul Gelsinger was the CEO of Intel from February 2021 to December 2024 and was previously the CTO from 2001 to 2009. Based mainly in Silicon Valley since the late 1970s, Gelsinger graduated from Stanford University with a master's degree in engineering in 1985 and was the chief architect of Intel's i486 microprocessor in the 1980s.

**7:00pm - 9:00pm** ■ **Networking Dinner - Ameswell Hotel**

7:50am

Bus pick-up

8:00am - 9:00am

Networking Breakfast - Showcasing Emerging Disruptive Technologies Display Stations

9:00am - 9:15am

Leading Through Innovation in Geopolitically Divided World (Video)



**Rich Lyons**  
Chancellor  
UC Berkeley



Rich Lyons, the chancellor of the University of California, Berkeley, is known for his expertise in behavioral economics and his dedication to academic excellence. Formerly the dean of UC Berkeley's Haas School of Business, he has championed innovation and diversity, fostering interdisciplinary collaboration and entrepreneurial spirit. As chancellor, Lyons aims to enhance research excellence, expand student opportunities, and create an inclusive campus community poised to lead UC Berkeley into a new era of impact and intellectual growth.

9:15am - 9:25am

Welcome Remarks



**Greg Schmidt**  
Director of Solar  
System Research  
Virtual Institute, NASA  
Ames

Greg Schmidt is the director of the Solar System Exploration Research Virtual Institute at NASA Ames Research Center. He co-founded the NASA Ames Space Portal, advancing entrepreneurial space endeavors. A core team member in developing astrobiology, Schmidt fosters partnerships with commercial, academic, and international entities to promote space exploration. He holds a B.S. in physics from UC Berkeley and an M.S. in biomedical engineering from UCSD.

9:25am - 9:40am

Update on Berkeley Space Center at NASA



**Eugene Tu**  
Director, NASA Ames



In California's Silicon Valley, Dr. Eugene Tu leads a team that provides crucial research and development support for NASA's aeronautics and space missions. With a background in computational fluid dynamics, he began his career as a research scientist studying aerodynamics. Tu earned his bachelor's degree in mechanical engineering from the University of California, Berkeley (1988), and both master's and doctorate degrees in aeronautics and astronautics from Stanford University (1990, 1996).

9:40am - 10:55am

Opening Remarks & Networking Session



**Henry Chesbrough**  
Faculty Director,  
Garwood Center for  
Corporate Innovation,  
UC Berkeley



Henry Chesbrough is a professor at the Haas Business School, UC Berkeley, and faculty director of the Garwood Center for Corporate Innovation. An internationally acclaimed author, Dr. Chesbrough's Open Innovation concept was first introduced in his award-winning book, Open Innovation: The New Imperative for Creating and Profiting from Technology (2003). When he coined the term Open Innovation, he defined an approach that companies around the globe now use to innovate. Today, Chesbrough works directly with companies through Garwood's programs to apply the principles of Open Innovation, and he continues to refine our understanding through his research and books.

10:55am - 11:25am

Networking Break - Showcasing Emerging Disruptive Technologies

11:25am - 12:25pm

Corporate Challenges (solutions to be featured in a white paper) - Hewlett Packard Enterprise (HPE) & Tata Chemicals



**Latha Vishnubhotla**  
Chief Platform Officer,  
HPE



**Corporate Challenge - Navigating Innovation and Trust in the Agentic AI Ecosystem:**

- A) How can we create and integrate traceable, trackable, and real-time trustworthy sources from hardware, software, data, and generalized AI models?
- B) How do consumer preferences for accuracy, quality, reliability, and trust manifest in the context of AI? What drives the preference for marquee brands over lesser-known brands, and how can we leverage this in our AI offerings?



**Gary Plant**  
Supply Chain Director,  
Tata Chemicals



**Corporate Challenge - Countering Supply Chain Disruptions:**

- A) What new strategies can be developed to mitigate disruptions in the global distribution of raw materials?
- B) How can we enhance logistical resilience and exploring alternative supply chain frameworks to ensure consistent supply and operations?

12:25pm - 1:25pm

**Networking Lunch** - Showcasing Emerging Disruptive Technologies Display Stations

1:25pm - 2:00pm

**Happenings at Berkeley - Expanding the Value of BIF: Launching BIF Asia & BIF Europe**

**Panel Discussion: Expanding the Value of Open Innovation into Asia & Europe**

The Berkeley Innovation Forum has been our flagship program for over 20 years, serving senior executives with their needs to expand markets. Our corporate members, representing more than 40 elite global firms across key industries, are led by their senior executives who oversee market expansion within their firms.

This year, the Berkeley Innovation Forum will extend the value it has cultivated over the past two decades to other parts of the world, aiming to promote more open innovation business models and contribute to a sustainable planet.



**Solomon Darwin**  
Executive Director,  
Garwood Center for  
Corporate Innovation  
**BerkeleyHaas**



**Dr. Richard Lobo**  
Global Head Business  
Excellence, Innovation, R&D  
and Chief Ethics Counselor,  
Tata Chemicals  
**TATA**



**Edita Gimzauskiene**  
Vice Rector, Kaunas  
University of  
Technology  
**ktu**



**Dr. Nina Linde**  
Chair of the Board of the  
Institute of Economics, Latvian  
Academy of Sciences



**Shu-Heng Chen**  
Executive Vice  
President, National  
Chengchi University



**Michael Wu**  
President and General  
Manager, Phison US  
**PHISON**

2:00pm - 3:00pm

**Corporate Challenges** – (solutions to be featured in a white paper) – Nestlé R&D & Asahi



**Lydia Lawless, Ph.D.**  
Senior Manager,  
Innovation Strategy,  
Nestlé R&D North  
America

**Corporate Challenge - Enhancing Nestlé's Internal R&D Accelerator:**

- A) What Open Innovation approaches would you suggest that may enhance Nestlé's R&D Accelerator in facilitating "start-up culture"?
- B) What new initiatives can Nestlé focus on for leveraging external knowledge and technology to accelerate internal projects and foster a growth mindset within the company?



**Yoichiro Shindo**  
Executive Officer  
& Head of CR&DO  
Office, Asahi

**Corporate Challenge - Expanding Markets Into the Growing Indian Economy:**

- A) How can Asahi expand its market in India against the challenges of culture, regulations, and traditional practices? How should we structure our joint venture collaborations to succeed for the long term?
- B) What Open Innovation approaches can help in partnering with local firms to provide better choices to Indian consumers? What actions should Asahi take to present superior solutions to the nutrition, health, wellbeing, and sustainability issues that India will face in the future?

3:00pm - 3:30pm ■ **Networking Break** - Showcasing Emerging Disruptive Technologies

3:30pm - 4:15pm ■ **Latest Exploration Technologies at NASA Ames**



**Rupak Biswas**  
Director, Exploration  
Technology, NASA



Rupak Biswas is the director of exploration technology at NASA, where he leads initiatives to advance technology for space exploration. With expertise in aerospace engineering and computer science, Biswas develops innovative solutions for NASA's missions, focusing on areas like artificial intelligence, robotics, and advanced computing. He plays a vital role in shaping the future of space exploration through collaboration with industry and academia.

4:15pm - 5:15pm ■ **Corporate Challenges (solutions to be featured in a white paper)** - Kaneka & Siemens



**Dr. Ekaterina Ryjkina**  
General Manager,  
Kaneka Aerospace,  
Kaneka Americas  
Holding  
**KANEKA**

**Corporate Challenge - Mitigating Raw Material Sourcing Risks:**

- A) How can Kaneka address the dependency on Chinese markets for Kaneka Americas sourcing raw materials by exploring Open Innovation options?
- B) How can Kaneka develop strategies that diversify sourcing and reduce risks associated with geopolitical tensions or supply chain vulnerabilities?

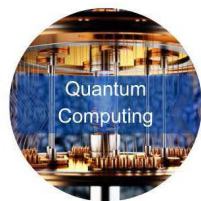


**Dan Yu**  
Product Manager  
AI/ML Solutions,  
Siemens  
**SIEMENS**

**Corporate Challenge - Closing the Human Talent Gap to Meet the Global Semiconductor Demand:**

- A) What out-of-the-box ideas do you suggest for closing the talent gap for the semiconductor demand?
- B) What innovative recruitment, training, and development strategies would you suggest that align with Siemens' technological ambitions?

5:15pm - 6:30pm ■ **NASA Guided Tours (members only; must register)**



7:00pm - 8:00pm ■ **Networking Dinner** - Ameswell Hotel

7:50am **Bus pick-up**

8:00am - 9:00am **Networking Breakfast**

9:00am - 10:00am **Keynote: Strategies for a Geopolitically Divided World**



**His Excellency Dr. Mohamed Irfaan Ali**  
President,  
Cooperative Republic  
of Guyana



Dr. Mohamed Irfaan Ali, the Ninth Executive President of Guyana, has led the nation's economic and infrastructural growth since taking office in 2020. With a Doctorate in Urban and Regional Planning and expertise in business, finance, and law, he spearheaded Guyana's largest land distribution initiative as Minister of Housing. Globally recognized for his leadership in food security, climate change, and sustainable development, he continues to drive Guyana's transformation and strengthen international partnerships.

10:00am - 10:15am **Award Ceremony: Global Leadership Award in Open Innovation Networking**

10:15am - 10:45am **Break - Showcasing Emerging Disruptive Technologies Display Stations**

10:45am - 11:30am **Fireside Chat - Empowering rural people with affordable satellite technology to access resources and information to participate in the global economy**



**Gwynne Shotwell (TBC)**  
President, SpaceX &  
Starlink Satellites



Gwynne Shotwell is SpaceX's president and COO. She joined SpaceX in 2002 as vice president of business development and built the Falcon vehicle family manifest to more than 70 launches, representing more than \$10 billion in business. Prior to joining SpaceX, Shotwell spent more than 10 years at the Aerospace Corporation. She was promoted to the role of chief engineer of an MLV-class satellite program, managed a landmark study for the Federal Aviation Administration on commercial space transportation, and completed an extensive analysis of space policy for NASA's future investment in space transportation.

11:30am - 12:15pm **Open Innovation Tools at Work to Better our World**



**Juliet Rothenberg**  
Product Director of  
Climate AI, Google



Juliet Rothenberg leads the product management team for Google's Climate AI initiatives, including AI applications across mitigation and adaptation. She previously led the enterprise product management team at DeepMind, where she focused on industrial efficiency and renewable applications. She was named to the Forbes 30 Under 30 in Energy in 2015.

12:15pm - 1:15pm **Networking Lunch - Visits to Display Stations**

1:15pm - 2:00pm **Investing in Open Innovation in Space**



**Philip Metzger**  
Director of Stephen  
W. Hawking Center,  
Florida Space Institute



Philip T. Metzger is a planetary physicist and director of the Stephen W. Hawking Center for Microgravity Research & Education at the Florida Space Institute (University of Central Florida). In 2012 he co-founded NASA's KSC Swamp Works, and in May 2018 he was honoured with the Outstanding Technical Contribution Award from the American Society of Civil Engineers.

2:00pm - 2:45pm **Driving AI/Open Innovation in Biotech**



**Sarah McGough**  
Head of Technical  
Innovation, Genentech  
**Genentech**

Sarah McGough is an epidemiologist and the head of Technical Innovation & Shared Platforms in the Computational Catalysts division at Genentech Research and Early Development (gRED). She leads efforts to drive adoption of new innovative tech, data, and methodologies to support preclinical research/discovery and AI innovation. Prior to joining Roche/Genentech, she obtained her PhD and MSc in epidemiology from Harvard University where she focused on outbreak forecasting and real-time public health surveillance using a range of machine learning, statistical, and Bayesian techniques.

2:45pm - 3:15pm ■ **Networking Break** - Showcasing Emerging Disruptive Technologies Display Stations

3:15pm - 4:00pm ■ **Unlocking New Revenue Stream through Open Innovation**



**Sheila Roha**  
Chief Executive Office,  
Hitachi Vantara

Sheila Rohra is CEO of Hitachi Vantara and is focused on accelerating growth through transformation and innovation with a customer-first mindset. Under her leadership, the company develops and delivers innovative data infrastructure solutions that are designed to accelerate customers' digital transformations around the globe.

4:00pm - 4:45pm ■ **Navigating Growth in a Geopolitically Divided World**



**BVR Mohan Reddy**  
Chairman, Cyient

Mohan founded Cyient (earlier, Infotech Enterprises) in 1991 with the vision of providing engineering services to global markets. He established the "Engineered in India" brand and led Cyient to contribute more than \$5 billion in cumulative exports to international customers, including many Fortune 100 companies. Mohan holds postgraduate degrees in engineering from IIT Kanpur and the University of Michigan.

4:45pm ■ **Bus pick-up to Intel Museum**

5:00pm - 5:45pm ■ **Tour of Intel Museum - Learn About the Inspiring History and Legacy of Computing**



5:25pm - 5:50pm ■ **Bus pick up to Amber India Restaurant**

6:00pm - 6:45pm ■ **Cocktails and Fireside Chat**



**Anshul Sonak**  
Director of Digital  
Readiness, Intel



Anshul is the principal engineer, global director, and head of digital Readiness Programs at Intel Corporation. He has written for Forbes and the United Nations Development Programme and he speaks regularly to the media (e.g. Houston Business Journal) and in multilateral forums like the World Bank, the Commonwealth, and USAID. He is a technology policy advisor for multiple governments, civil society organizations, and academic bodies.



**Betty Young**  
President, Hocking  
College



Young serves as the president of Hocking College in Ohio and graduated from Ohio University in Athens with an associate degree in math and science, a bachelor's degree in business administration, a master's degree in education, and a doctorate in higher education. A graduate of Capital University Law School in Columbus, Young is licensed to practice law in Ohio and West Virginia.

7:00pm - 8:00pm ■ **Networking Dinner** at Amber India

7:50am ■ Bus pick-up

8:00am - 9:00am ■ Networking Breakfast

9:00am - 9:45am ■ Democratizing AI: A Path Towards Sovereign Technology For Every Nation



**Vinai Thummalapally**  
Former Ambassador of the United States of America to Belize



Vinai Thummalapally is the former US ambassador to Belize under President Obama. Until most recently served as the Acting Director of the U.S. Trade and Development Agency (USTDA). He retired in February 2023. Previously Vinai Thummalapally served as Executive Director of SelectUSA (2013~2017), part of the International Trade Administration of the U.S. Department of Commerce. Established by Executive Order of the President, SelectUSA is the U.S. government-wide initiative to attract and retain business investment in the United States.

9:45am - 10:00am ■ Networking Break - Showcasing Emerging Disruptive Technologies Display Stations

10:00am - 11:00am ■ Nation Building with the Emerging Affordable AI-Led Energy & Cybersecurity Technologies

Discussion Session with Senior Executives From the Following Companies Moderated by Solomon Darwin



**Satish Iyer**  
Vice President of Innovation & Ecosystem, Office of the CTO/AI, Dell Technologies



**Munish Khetrpal**  
Vice President - Google Cloud, Palo Alto Networks



**Jonathan Dotan**  
CEO and Founder, EQTY Lab and Founding Director of The Starling Lab, Stanford University and USC



**Ashok Belani**  
BOD, AM Green and Former President of Schlumberger Semiconductor

11:00am - 11:15am ■ Networking Break - Showcasing Emerging Disruptive Technologies Display Stations

11:15am - 12:00pm ■ National Security & Global Stability in the Age of AI



**Janet Napolitano**  
Former US Secretary of Homeland Security and Former President of the University of California



Janet Napolitano served as the third United States Secretary of Homeland Security from 2009 - 2013 under President Barack Obama and is the first woman to hold that position. She was named the first female president of the University of California system in September 2013. She used her tenure as president to encourage more students to pursue public service careers and established funds and scholarships. She stepped down from as president on August 1, 2020 to join the faculty at UC Berkeley's Goldman School of Public Policy as Professor of Public Policy and Director of the new Center for Security in Politics.

12:00pm - 1:00pm ■ Networking Lunch – Showcasing Emerging Disruptive Technologies Display Stations

1:00pm - 2:00pm ■ Showcasing the Futuristic Silica City Under Construction – Soliciting Input and Collaborations

2:00pm - 3:30pm

Challenges in Implementing Leapfrog Technologies & Disruptive Solutions

Moderator



**Nicole Theriot**  
Ambassador of the United States of America to the Co-operative Republic of Guyana



Nicole Theriot was confirmed by the U.S. Senate on July 27, 2023 as ambassador to the Co-operative Republic of Guyana. She has served as the director for Immigration and Visa Security at the U.S. National Security Council (2019-2020). Nicole holds numerous U.S. Department of State awards, including Superior Honor Awards for her work in Afghanistan (2018), her leadership of U.S. Consulate Casablanca (2017), and her assistance to U.S. citizens in the Eastern Caribbean (2010).

Panel



**His Excellency Dr. Mohamed Irfaan Ali (TBC)**  
President, Cooperative Republic of Guyana



Dr. Mohamed Irfaan Ali, the Ninth Executive President of Guyana, has led the nation's economic and infrastructural growth since taking office in 2020. With a Doctorate in Urban and Regional Planning and expertise in business, finance, and law, he spearheaded Guyana's largest land distribution initiative as Minister of Housing. Globally recognized for his leadership in food security, climate change, and sustainable development, he continues to drive Guyana's transformation and strengthen international partnerships.



**Susan Rodrigues**  
Minister of Housing and Water, Republic of Guyana



Susan Rodrigues is a Member of Parliament in Guyana and holds the portfolio of Minister within the Ministry of Housing and Water. She was appointed to the position by President Dr. Mohamed Irfaan Ali, on the 5th of August, 2020. Minister Rodrigues was 33 years old at the time of her appointment, making her the youngest Cabinet member in Guyana. She is the mother of two children and comes from a private-sector background in construction and real estate. She also serves on the Parliamentary Sectoral Committee on Foreign Relations.



**Germene Stewart**  
Chief Development Planner, The Central Housing and Planning Authority (CH&PA), Republic of Guyana



Germene Stewart is the chief development planner at Central Housing and Planning Authority in the Republic of Guyana. Stewart holds a master's in urban planning and management from the Universiteit Twente, Faculty of Geo-information Science and Earth Observation.



**Solomon Darwin**  
Executive Director, Garwood Center for Corporate Innovation

**BerkeleyHaas**

Solomon Darwin is celebrated for his influential courses on Open Innovation, business models, smart cities, scalable smart villages, and business strategies for emerging economies. He is hailed as the Father of the Smart Village Movement, an initiative started at UC Berkeley. His consulting projects include "Creating Scalable Smart Villages" and "The Rebuilding India Initiative" commissioned by the government of India. Given his passion, more recently, he is collaborating with the Commonwealth of Nations to empower marginalized people through a Generative AI Toolkit for the creation of smart villages.

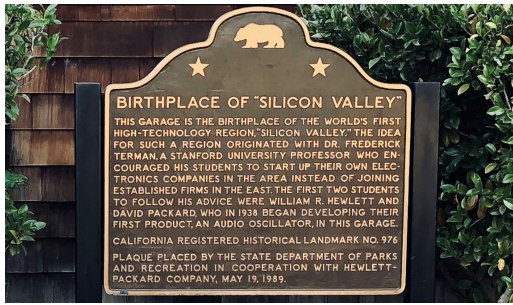


Day 4: Friday, April 4, 2025

NASA Ames Research Center: Moffett Blvd, Mountain View, CA 94035

HP Innovation Center: 1501 Page Mill Rd, Palo Alto, CA 94304

3:30pm - 3:55pm ■ Bus pick up to The Birthplace of Silicon Valley & Hewlett Packard Innovation Center



4:00pm - 5:00pm ■ Innovations at HP – Visit to the Hewlett Packard Innovation Center



5:00pm - 5:15pm ■ Bus pick up to Amber India Restaurant

5:15pm - 6:00pm ■ Cocktails and Fireside Chat



**Vidhya Ranganathan**  
Senior Vice President  
Personal Systems  
Software, HP Inc.



Key Takeaways: Learn How HP is Pioneering the Future of Work

1. Smart Platforms with AI-Powered insights and experiences
2. Smart technology and personalized experiences
3. Collaborative team experiences

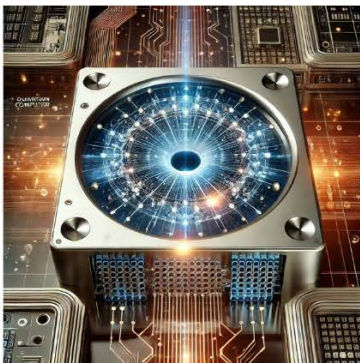
6:00pm - 8:00pm ■ Networking Dinner at Amber India Restaurant

■ Program Ends

# Showcasing Open AI Emerging Technologies That Will Transform Industries & Our Daily Lives:

1. **Quantum Computing:** Solving complex problems at accelerated speed - revolutionizing cryptography, materials science, and complex system simulation.
2. **AR & VR:** Blending the digital world with the real world - immersive entertainment, education, remote work, and healthcare, where complex surgeries and patient care are required.
3. **Blockchain Technologies:** Offering secure and transparent processes in supply chain management, finance, public records, national security and reducing fraud.
4. **AI in Sustainability:** Predicting trends and consumer behavior with AI tools to manage Earth's resources.
5. **AI in Biotechnology:** Enabling scientists to treat genetic disorders, improving crop resilience and combating infectious diseases.
6. **AI in Mobility:** Transforming transportation, reducing accidents and human error, optimizing logistics, and enhancing urban mobility and infrastructure.
7. **AI in Communication Systems:** Enhancing Smart Cities by optimizing traffic management, energy use, and municipal services, which enhances sustainability.
8. **AI in Robotics:** Enhancing dexterity and AI integration, robots for agriculture, disaster response, healthcare for surgery and rehabilitation, and customer service.

[Top 15 Inspiring Startups Will Be Showcased]



Quantum Computing



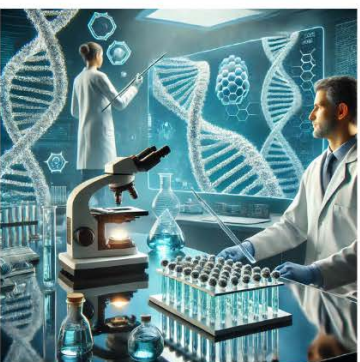
AR & VR



Blockchain



Sustainability



Biotechnology



Mobility



Communication Systems



Robotics

# Members of the Berkeley Innovation Forum

