



Making AI Sovereign: Bridging Geopolitical Divides for Open Solutions

Location: NASA Ames Research Center - Building 3, 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 - 5:35pm **Cocktail Reception**

5:35pm - 5:45pm **Welcome from Solomon Darwin**



Solomon Darwin
Executive Director,
Garwood Center for
Corporate Innovation



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 8 books about Open Innovation.

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



Greg Schmidt
Director of Solar
System Research
Virtual Institute, NASA



Greg Schmidt is the director of the Solar System Exploration Research Virtual Institute at the 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 at Ameswell Hotel

8:00am - 9:00am ■ Networking Breakfast - Showcasing Emerging Disruptive Technologies Display Stations

9:00am - 9:15am ■ Leading Through Innovation in a 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 SSERVI,
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 ■ Welcome and Overview on the NASA Ames Research Center



Eugene Tu
Director, NASA Ames

In California's Silicon Valley, Dr. Eugene L. Tu is the center director at NASA's Ames Research Center in California's Silicon Valley 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 & Speed Dating Session



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

Henry Chesbrough is a professor at UC Berkeley's Haas School of Business and is the 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 - Display Stations: Showcasing Emerging Disruptive Technologies

11:25am - 12:25pm ■ Corporate Challenges (solutions to be featured in a white paper)



Latha Vishnubhotla
Chief Platform Officer,
HPE

Navigating Innovation and Trust in the Agentic AI Ecosystem:
A) How can HP create and integrate traceable, trackable, and real-time trustworthy sources from hardware, software, data, and gen-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 models?



Gary Plant
Supply Chain Director,
Tata Chemicals

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 explore alternative supply chain frameworks to ensure consistent supply and operations?

12:25pm - 1:25pm

Networking Lunch - Display Stations: Showcasing Emerging Disruptive Technologies

1:25pm - 2:10pm

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 more than 20 years, serving senior executives with their needs to expand markets. Our corporate members, representing 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 expand globally to share its open innovation knowledge and the impact it has built over the past 20 years with other parts of the world.



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



Nora Bendžius-Drennan
Senior Investment
Advisor, Invest
Lithuania
**Invest
Lithuania**



Edita Gimzauskiene
Vice Rector, Kaunas
University of
Technology
ktu
1922



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



Michael Wu
President and General
Manager, Phison US
PHISON

2:10pm - 3:10pm

Corporate Challenges (solutions to be featured in a white paper)



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

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
**Asahi
GROUP**

Expanding Markets Into the Growing Indian Economy:

- A) How can Asahi expand its market in India amidst 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?

3:10pm - 3:30pm

Networking Break - Display Stations: 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)



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



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



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 industry's demand?
- B) What innovative recruitment, training, and development strategies would you suggest that align with Siemens' technological ambitions?

5:15pm - 5:30pm ■ Closing Remarks

5:30pm - 6:30pm ■ NASA Guided Tours (members only; confirmed registration required)



6:30pm ■ Bus to Ameswell Hotel

7:00pm - 7:30pm ■ Fireside Chat with His Excellency Dr. Mohamed Irfaan Ali and Top Silicon Valley CEOs

7:30pm - 8:30pm ■ Networking Dinner - Ameswell Hotel

7:50am ■ Bus pick-up at Ameswell Hotel

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 infrastructure 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

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

10:45am - 11:30am ■ 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.

11:30am - 12:15pm ■ 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.

12:15pm - 1:15pm ■ Networking Lunch - Visits to Display Stations and Touch the Moon Surface - Walking Tour

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 honored 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** - Display Stations: Showcasing Emerging Disruptive Technologies

3:15pm - 4:00pm **Adapting Digital Infrastructure to Business Needs in the Age of AI**



Sheila Rohra
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 **Closing Remarks**

4:15pm **Bus pick-up to Intel Museum**

4:35pm - 5:00pm **Tour of Intel Museum - An inspiring tour about the history and legacy of computing**



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

5:30pm - 7:00pm **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 - 8:30pm **Networking Dinner** - Amber India Restaurant

7:50am ■ Bus pick-up at Ameswell Hotel

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 U.S. Ambassador to Belize under President Obama. Until most recently he 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 - 10:25am ■ Networking Break - Display Stations: Showcasing Emerging Disruptive Technologies

10:25am - 11:15am ■ Nation Building with the Emerging Affordable AI-Led Energy & Cybersecurity Technologies

Moderated by Solomon Darwin - A discussion session with senior executives from the following companies:



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



Narayan Sundar
Head of AI, 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



11:15am - 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 was 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 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 – Display Stations: Showcasing Emerging Disruptive Technologies

1:00pm - 1:30pm

Vision for the Silica City



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 infrastructure 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.

1:30pm - 2:30pm

Showcasing the Futuristic Silica City – An open invitation for input and collaboration.

2:30pm - 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



Susan Rodrigues

Minister of Housing and
Water, Co-operative
Republic of Guyana



Honorable Susan Rodrigues is a member of Parliament and serves as the minister within the Ministry of Housing and Water in Guyana. Appointed by President Dr. Mohamed Irfaan Ali on August 5, 2020, she holds the distinction of being the youngest member of the cabinet. In addition to her ministerial duties, she is a member of the Parliamentary Sectoral Committee on Foreign Relations. With a private sector background in construction and real estate, Minister Rodrigues leverages her experience to drive development in her current role. She holds a Bachelor of Law degree, a Master of Business Administration (MBA), and is a Certified Associate in Project Management (CAPM), positioning her as a leader in both governance and sectoral development.



Germene Stewart

Chief Development
Planner, The Central
Housing and Planning
Authority (CH&PA),
Co-operative Republic
of Guyana



Germene Stewart is the chief development planner at the 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.



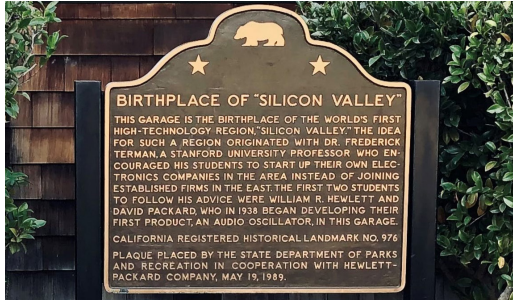
Solomon Darwin

Executive Director,
Garwood Center for
Corporate Innovation



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.

3:45pm ■ Bus pick-up to The Birthplace of Silicon Valley & Hewlett Packard Innovation Center



4:15pm - 5:40pm ■ Innovations at HP – Visit to the HP Inc. Customer Welcome Center



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



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



5:40pm ■ Bus pick-up to Amber India Restaurant

6:00pm - 6:30pm ■ Cocktails and Networking

6:30pm - 7:15pm ■ Fireside Chat: AI & Digital Transformation Industrial Use Cases for Building Scalable Economies

Moderated by Professor Solomon Darwin



Dr. Piyush Modi
Head of Digital
Transformation
- Business
Development, NVIDIA



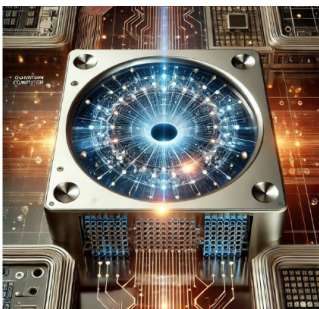
Modi is responsible for global business development and strategy for the industrial sector at NVIDIA. Previously, he held CTO, senior VP and head of research lab positions at companies including Sentient, IP Unity, and AT&T Bell Labs. He helped to deliver major industry-forming solutions using speech recognition, VOIP, IoT, and deep-learning technologies. Piyush holds a PhD in electrical and computer engineering (speech recognition) from Rutgers, an M.S. in computer science from the University of Tennessee, and a B.Tech. in electrical engineering from IIT, Varanasi.

7:15pm - 8:30pm ■ Networking Dinner - Amber India Restaurant

■ Program Ends

Showcasing Emerging Technologies that Will:

1. Make digital communication real with the world's first Holographic Communications Platform - [Proto](#).
2. Elevate transportation to new heights with the World's first FAA-approved VTOL Flying Car - [Alef](#).
3. Create a sustainable Smart City hub by bridging urban innovation with rural roots - [Silica City, Guyana](#).
4. Build personalized civilian robots as AI Assistants - [Unitree Robotics](#).
5. Make smarter decisions by transforming unstructured data with AI - [CogniFirst](#).
6. Guard smarter, not harder, with a customized AI Security Platform - [Sentry AI](#).
7. Unlock student potential by revolutionizing learning with AI and neuroscience - [Star Spark AI](#).
8. Drive industry innovation with end-to-end utility mapping - [Sub-T](#).
9. Accelerate AI model development for biomedical imaging - [Trinzz](#).
10. Deliver instant diagnostics at remote points of care with real-time analytics - [Vega Medicare](#).
11. Empower marginalized women in rural India through AI-led e-commerce - [Village Digital Mall](#).
12. Track emotions in real-time with cutting-edge AI and neuroscience technology - [AWEAR.US](#).
13. Reduce ocean plastic pollution with biodegradable structural foam packaging - [Cruz Foam](#).
14. Build trust and confidence in AI with authentic audits and cryptography - [EQTY Lab](#).
15. Enhance autonomous driving and robotics with cutting-edge AI solutions - [Helm.ai](#).
16. Secure public funding with OpenAI's tool for innovators - [Streamline Climate](#).
17. Power America's manufacturing future with AI-led CNC simulations - [DELL](#).
18. Alert silent threats with smarter heart health monitoring watch - [KTU University, Lithuania](#).



Quantum Computing



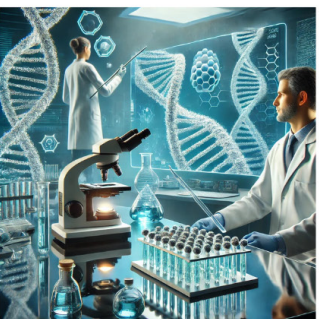
AR & VR



Blockchain



Sustainability



Biotechnology



Mobility



Communication Systems



Robotics

Members of the Berkeley Innovation Forum





Showcasing Emerging Technologies

Visit our Display Stations



Berkeley Innovation Forum

To Interact with Technologies That Will:

1. **Helm.ai** Enhance autonomous driving and robotics with cutting-edge AI solutions
2. **Sub-T** Drive industry innovation with end-to-end utility mapping
3. **Streamline Climate** 10X your RFP proposal response team using AI
4. **AWEAR** Track emotions in real-time with cutting-edge AI and neuroscience technology -.US.
5. **Cruz Foam** Reduce ocean plastic pollution with biodegradable structural foam packaging
6. **Vega Medicare** Deliver instant diagnostics at remote points of care with real time analytics & dashboards
7. **StarSpark AI** Unlock student potential by revolutionizing learning with AI and neuroscience
8. **CogniFirst** Make smarter decisions by transforming unstructured data with AI
9. **KTU Tech** Alert silent threats with smarter heart health monitoring watch
10. **Plug and Play** Provide the world's largest innovation platform in Silicon Valley
11. **Dell** Power America's manufacturing future with AI-led CNC simulations
12. **Swissnex** Bridge Switzerland and the world in education, research, and innovation
13. **EQTY Lab** Build trust and confidence in AI with authentic audits and cryptography
14. **Proto** Make digital communication real with the world's 1st Holographic Communication Platform
15. **Village Digital Mall** Empower marginalized women in rural India through AI-led e-commerce
16. **Trinzz** Accelerate AI model development for biomedical imaging
17. **Alef** Elevate transportation to new heights with the World's first FAA-approved VTOL Flying Car
18. **Sentry AI** Guard smarter, not harder, with a customized AI Security Platform



Common Area/Hallway

Meeting Rooms

SpaceBar & Grill

SRI Federal Credit Union

Vending Machines

Woman's Restroom

Men's Restroom

Staff Only

