FUTURE FOCUS:

The Hawai'i Innovation Initiative's Forum on Energy, Cybersecurity & More

September 23-24, 2015
Hawai'i Convention Center

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The Hawai'i Innovation Initiative's Forum on Energy, Cybersecurity & More

A conference on emerging technologies, federal resources and opportunities available in Hawai'i's growing innovation ecosystem

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Hawai'i Convention Center

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HAWAII BUSINESS ROUNDTABLE INCORPORATED

UNIVERSITY of HAWAI'I SYSTEM

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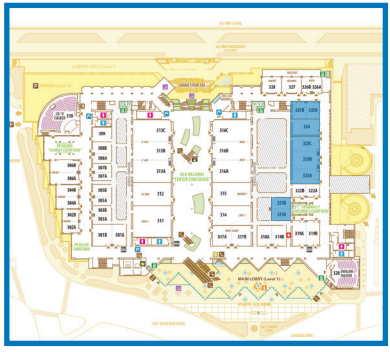
AMERICAN Savings Bank



CONFERENCE ROOMS

Main Room	323A/B/C
Breakout Rooms	321A/B 324 325A/B
Reception	Children's Courtyard

Wednesday, September 23

Hawai‘i Convention Center

Registration & Breakfast | 7:30 – 8:15

Opening General Session | 8:30 – 10:45

- Room 323A/B/C

Welcome | 8:30
Dan Meisenzahl, University of Hawai‘i

Pule | 8:35
Kahu Kelekona Bishaw, Kamehameha Schools

Welcome remarks & call to action | 8:40
Governor David Ige

Welcome remarks & research/innovation highlights | 8:47
Randy Moore, UH Board of Regents Chair

Video

Morning 5x4 | 8:55
4-minute TED-style talks from local entrepreneurs; mini case studies, how they've partnered, and results

- Sean Hookano-Briel, Comprendio
- Jacob Isaac-Lowry, FlyWire
- Jeff Kuhn, MorphOptics
- Michael Pfeffer, Ibis Networks
- Hank Wuh, TruTag Technologies
- *Moderator: Dawn Lippert, Energy Excelerator*

Keynote introduction | 9:20
Jane Sawyer, SBA Hawai‘i

Morning Keynote
What will small business look like in the future and how will they compete?

- Javier Saade, Assoc. Admin., Ofc. of Investment and Innovation, SBA

MORNING POOLSIDE CHATS

Poolside chat #1 | 9:40

How will we build innovation communities for the future?

- Javier Saade, SBA
- Tim Dick, Startup Capital Ventures
- Omar Sultan, XLR8UH
- Hank Wuh, Skai Ventures
- *Moderator: Luis Salaveria, Director, DBEDT*

Video

Poolside chat #2 | 10:10

What are PACOM's strategic priorities and where does Hawai'i fit in their future?

- Margo Edwards, Int. Executive Director, ARL/UH
- Dr. George Kailiwai, Director, Resources and Assessment, US PACOM
- Dr. Vassilis Syrmos, VP for Research and Innovation, UH System
- *Moderator: Dr. Rich Carlin, Head – Sea Warfare and Weapons Dept., ONR*

Break | 10:45 – 11:00

MORNING CONCURRENT SESSIONS | 11:00 – noon

SBIR/STTR Workshop Room 321A/B

How can Hawai'i companies effectively compete for SBIR/STTR resources?

- Javier Saade, SBA
- Ken Cheung, Oceanit
- Marcelo Kobayashi, UH College of Engineering
- Paul Lucey, UH HIGP/Spectrum Photonics
- *Facilitator: Jane Sawyer, SBA Hawai'i*

Innovation Ecosystem Workshop Room 324

What are the top 5 mistakes entrepreneurs make and how to avoid them?

- Chenoa Farnsworth, Blue Start-Ups
- Meli James, XLR8UH
- Susan Yamada, Exec. Director, PACE
- *Facilitator: Robbie Melton, HTDC*

Security and Critical Infrastructure Room 325A/B

What is the future of security and critical infrastructure in Hawai'i and beyond?

- Dr. Rich Carlin, ONR
- George Kailiwai, US PACOM
- Rick Robel, EVP Technology, American Savings Bank
- Col. Suzanne Vares-Lum, Chief of Joint Staff, Hawai'i National Guard
- RDML TJ White, US PACOM J2
- *Facilitator: Mark Wong, Dir. IT, City and County of Honolulu*

Break | 12 – 12:30

Lunch | **12:30 – 1:30** Room 323A/B/C

Afternoon General Session | 1:30 - 3:15 Room 323A/B/C

Opening remarks/keynote introduction | **1:30**
Rich Wacker, President and CEO, American Savings Bank

Afternoon Keynote | 1:40
What are 5 ways NIST drives innovation and how can Hawai'i play?

- Phillip Singerman, Assoc. Director for Innovation & Industry Services, NIST

AFTERNOON POOLSIDE CHATS

Poolside Chat #3 | **2:00**
What is the future of energy innovation?

- Alan Oshima, Hawaiian Electric Company
- Paul Rogers, General Electric
- Phillip Singerman, NIST
- Jetta Wong, Acting Director, Office of Tech. Transitions, USDOE
- *Moderator: Dawn Lippert, Energy Excelerator*

Video

Poolside Chat #4 | 2:35
What are the challenges in cybersecurity, and how do we ensure a homegrown, qualified workforce to help solve them?

- Steve Auerbach, Director, Pacific Center for Advanced Technology Training
- CAPT Cliff Bean, Commander NSA Hawai'i
- Randy Ceislak, Chief Information Officer, US PACOM
- Bill Newhouse, Program Lead, Nat'l Initiative for Cybersecurity Education, NIST
- *Moderator: Jodi Ito, UH Information Security Officer*

Break | 3:15 – 3:30

AFTERNOON CONCURRENT SESSIONS | 3:30 – 4:30

Business Opportunities with NSA Room 321A/B
How to do business with NSA and what innovative technologies and business development opportunities are available?

- Linda Burger, Director, NSA Technology Transfer Program, NSA
- Jessica Hammock, Industry Outreach Advocate, NSA Office of Small Business Programs, NSA
- Capt. Steve Miller, Deputy Signals Intelligence Directorate Lead for Innovation Programs, NSA
- *Moderator: Judi Emmel, Director of State, Local and Community Relations, NSA*

NSA Security Strategies Room 324
What security vulnerabilities exist and how can businesses secure their information and networks?

- Alan Ito, Information Security Officer, Hawai'i Pacific Health
- Nelson Kanemoto, President and CEO, Referentia Systems
- Tuan Nguyen, Asst. Special Agent-in-Charge, FBI Honolulu
- Jeff Watkins, Communications Manager, Commercial Solutions for Classified Program, NSA
- *Moderator: CAPT. Cliff Bean, NSA Hawai'i*

Energy Room 325A/B
How do we accelerate the adoption of energy innovation?

- Olin Lagon, CEO, Shifted Energy
- Rick Rocheleau, HNEI
- Paul Rogers, General Electric
- Jetta Wong, USDOE
- *Facilitator: Brad Punu, Energy Excelerator*

Break | 4:30 – 4:45

Afternoon 5x4 | 4:45
Room 323A/B/C
4-minute TED-style talks from local entrepreneurs

- Duke Hartman, Makai Ocean Engineering
- Daniel Jenkins, Diagenetix
- Daron Nishimoto, Pacific Defense Solutions
- Robert Olivier, ProtaCulture
- *Moderator: Dawn Lippert, Energy Excelerator*

Closing | 5:05

Closing remarks | 5:10
Dr. Vassilis Syrmos, VP for Research and Innovation, UH System

PARTNERING RECEPTION | 5:30 – 7:00

- Pā Kamali'i Children's Courtyard

Thursday, September 24

Hawai'i Convention Center

Registration & Breakfast | 7:30 – 8:15

General Session | 8:30 – 9:45
- Room 323A/B/C

Welcome | 8:30
Dan Meisenzahl, University of Hawai'i

Remarks/keynote introduction | 8:35
Rich Wacker, President and CEO, American Savings Bank

Morning Keynote #1 | 8:45
What are the emerging needs of the Navy and Pacific?
What is the role of RDT&E?
- Dr. John Burrow, Dep. Asst. Sec. of the Navy RDT&E

Keynote introduction | 9:00
Jeanne Skog, President and CEO, MEDB

Morning Keynote #2 | 9:05
How can Hawai'i and Japan work together on innovation?
- Yasuo Tanabe, VP and Exec. Officer; Dep. GM Legal and Communications Group – Hitachi

Morning Poolside Chat #5 | 9:20
What have we learned from public-private innovation in government and what are new opportunities for partnerships?
- Dr. John Burrow, Department of the Navy
- Yasuo Tanabe, Hitachi
- *Moderator: Mark Miller, CEO, MKThink*

Morning 1x4 | 9:50
4-minute TED-style talks from local entrepreneurs
- Daniel Seltzer, Liquid Robotics
- *Moderator: Dawn Lippert, Energy Excelerator*

Keynote introduction | 10:00
Dawn Lippert, Energy Excelerator

Morning Keynote #3 | 10:05
How Onyx interacts with innovation/new technologies in Hawai'i and abroad
- Ja Kao, President, Onyx Renewable Partners

Closing remarks | 10:20
Jennifer Sabas, UH/HBR Research and Innovation Team

Break to move to 1:1s | 10:25 – 10:35

1:1 Networking | 10:35 – noon
- Room 323A/B/C
- 10 minutes each
- 8 per speaker

  - Randy Cieslak, US PACOM
  - Rich Carlin, ONR
  - Tim Dick, Startup Capital Ventures
  - Margo Edwards, ARL/UH
  - Mark Glick, State Energy Administrator
  - Wayne Inouye, Innovate Hawai'i
  - Dawn Lippert, Energy Excelerator
  - Robbie Melton/Thelma Alane, HTDC
  - Leigh-Ann Miyasato, OTTED
  - Bill Newhouse, NICE
  - Rick Rocheleau, HNEI
  - Javier Saade, SBA
  - Tarik Sultan, XLR8UH
  - Jetta Wong, USDOE
  - NSA Tech Transfer Program
  - NSA Commercial Solutions for Classified Program & Cybersecurities Vulnerabilities
  - Doing Business with NSA – NSA Outreach

Conference concludes | noon

*Note: participants and programming are subject to change; times are approximate

Our Keynote Speakers

John D. Burrow

Deputy Assistant Secretary of the Navy

Dr. Burrow serves as Deputy Assistant Secretary of the Navy for Research, Development, Test and Evaluation (DASN RDT&E) under the Assistant Secretary of the Navy for Research, Development and Acquisition (ASN (RD&A)). Dr. Burrow is responsible for executive oversight of all matters related to RDT&E Budget Activities, Science and Engineering, Advanced Research and Development, Prototyping and Experimentation, and Test and Evaluation. He is also responsible for oversight and stewardship of the Department of Navy Research and Development Establishment including naval laboratories, warfare centers and systems centers.

Dr. Burrow has more than 30 years of Federal Service as an acquisition professional, systems engineer and technical leader. He has held numerous senior leadership positions including Executive Director, Marine Corps Systems Command (MCSC); Deputy Commander (MCSC), Systems Engineering, Interoperability, Architectures and Technology; Head, Naval Surface Warfare Center, Force Warfare Systems Department; Systems Engineering Director, Program Executive Office, Integrated Warfare Systems; Director, Marine Corps Amphibious Combat Vehicle Assessment Team; and Director, Navy Small Surface Combatant Task Force.

Dr. Burrow was appointed to the Senior Executive Service in December 2004. He is a Certified Level III Acquisition Professional in the Advanced Systems Planning, Research, Development and Engineering (SPRDE) and Program Management (PM) acquisition career fields. Dr. Burrow holds a Bachelor of Science in Mathematics from the University of Mississippi (1983), a Master of Public Administration from Virginia Polytechnic Institute and State University (1997), and a Doctorate of Management from the University of Maryland University College (2009).

Ja Kao

President, Onyx Renewable Partners

Ja Kao, President, has over 14 years of finance and legal experience, as an investment banker and tax lawyer, structuring and placing complex financial instruments and structuring and executing M&A transactions across sectors, including financial services, media, telecom, energy (both traditional and renewable), consumer products and industrials. Prior to joining Onyx, Ja worked at The Blackstone Group, where she was a Managing Director on the Structured Solutions team of Blackstone Advisory Partners. While at Blackstone, she led the renewable energy investment banking practice, covering wind, solar and other technology companies. Ja structured multiple tax equity financing transactions for solar and wind projects. Prior to The Blackstone Group, Ja was a tax associate at the law firm of Shearman & Sterling, LLP in New York and worked on complex M&A, capital markets, cross-border finance and private client matters from 2001-2008. Ja received a JD, cum laude, from Georgetown University Law Center and a BA with a major in Economics from Brandeis University. Ja serves as Chairman of the Board of Assessment Review for the town of Pound Ridge, NY and serves on the Board of Directors for the not-for-profit group, Internationals Network for Public Schools.

Javier Saade

Associate Administrator, Office of Investment and Innovation, SBA

Javier Saade is the SBA's Associate Administrator leading its Office of Investment and Innovation ("OII"). OII houses the Small Business Investment Company (SBIC), Small Business Innovation Research (SBIR), Small Business Technology Transfer (STTR) and the Growth Accelerator Fund Competition programs along with SBA's Innovation Initiatives. He is part of the agency's top executive leadership team.

OII's Innovation Initiatives support entrepreneurs and their dynamic ecosystems and include StartUp University, Alternative Finance Paths & Tech policy and the $4m Growth Accelerator Fund Competition among others. Key multiagency collaborations he leads on behalf of SBA include USPTO Fast-Track IP, Advanced Manufacturing, JOBS Act Education, Emerging & Diverse Asset Managers, Rural Investing, Social Innovation and Impact Investing, Competitiveness Council and Clean Energy Investment Summit and the first ever White House Demo Day. Javier holds an observer seat on the U.S. Securities and Exchange Commission's Advisory Committee on Small & Emerging Companies.

He has over 20 years of global principal investing, general management, strategic consulting and entrepreneurial experience. He co-founded three companies in three different industries and has worked at an emerging market private equity firm, The GEM Group, a macro hedge fund, Bridgewater Associates, and a venture capital firm, Paradigm Ventures LP.

His foundational career years were spent at McKinsey & Company, Booz | Allen | Hamilton and Abbott Laboratories. Just prior to joining the administration, Javier was an advisor to two firms: Pacific Community Ventures, a $100 million double-bottom line venture capital firm in San Francisco and Aspen Grove Capital, a $1.3 billion family office in Vail. Javier holds an MBA from Harvard Business School, an MS in Operations & Technology from Illinois Institute of Technology, and a BS in Industrial Management & Manufacturing Engineering from Purdue University.

Phillip Singerman

Associate Director for Innovation and Industry Services, NIST

Phillip Singerman is the Associate Director for Innovation and Industry Services at the National Institute of Standards and Technology (NIST). In this capacity he is responsible for the NIST suite of external partnership programs, including the Hollings Manufacturing Extension Partnership, the Baldrige Performance Excellence Program, the Advanced Manufacturing National Program Office, NIST technology transfer and small business innovation research awards, economic analysis, and technology innovation.

Mr. Singerman serves as the U. S. Co-Chair of the Israel–U.S. Binational Industrial Research and Development (BIRD) Foundation and on the U.S. – India Science & Technology Endowment Board (STEB).

Mr. Singerman was appointed to this position in January 2011. Immediately prior to joining NIST, he was a Senior Vice President at B&D Consulting, a DC-based firm providing strategic advice and technical assistance on federal economic development programs to non-profit organizations, local governments, and universities. Previously he was a managing director of a $120 million seed stage venture fund that invested in biotechnology.

Mr. Singerman has more than 35 years of experience in tech based economic development; he was the first chief executive of two of the best known and longest lasting private-public partnerships; the Ben Franklin Technology Center of Southeastern Pennsylvania and the Maryland Technology Development Corporation. During the Clinton Administration he served as U.S. Assistant Secretary of Commerce for Economic Development, a Presidential appointment requiring Senate confirmation.

Mr. Singerman has participated on scores of local, state, and national advisory boards and associations, including the State Science and Technology Institute (SSTI), the Technology Council of Maryland (TCM), the International Economic Development Council (IEDC), NGA's Advisory Committee on Entrepreneurial Policy, and NSF's Small Business Advisory Committee. He was the 2011 recipient of IEDC's Federal Leadership in Economic Development Award.

Mr. Singerman received his B.A. from Oberlin College and holds a Ph.D. from Yale University. He has taught at Yale College, Barnard College (Columbia University), and the Fels Institute of Government (University of Pennsylvania). After graduating from college he served as a Peace Corps Volunteer in Columbia, South America, working in rural community development.

Yasuo Tanabe

Vice President and Executive Officer, Hitachi, Ltd.

Yasuo Tanabe is Vice President and Executive Officer, Hitachi, Ltd. Before joining Hitachi, Ltd. in June 2010, he has served for the Japanese government for thirty-two years. Starting with the Ministry of International Trade and Industry in 1978, which reorganized as the Ministry of Economy Trade and Industry, he has covered wide range of policies such as trade, energy and environment. He has represented the Japanese government for many international organizations such as the International Energy Agency. He was Vice President of the Research Institute of Economy, Trade and Industry, a METI-affiliated think-tank. During his tenure as Deputy Director-General for Economic Affairs of the Ministry of Foreign Affairs, he had been Chief Negotiator/Deputy Chief Negotiator for many Economic Partnership Agreements with ASEAN countries, Switzerland and Peru. He has written a book “Asia Energy Partnership” and articles on energy and trade issues. He has B.A.in Law from the University of Tokyo (1978) and M.A. in International Relations from Stanford University (1985).

Our Partners and Contributors

ENERGY EXCELERATOR

maui economic DEVELOPMENT BOARD
Building Pathways

HNEI
Hawai'i Natural Energy Institute
School of Ocean and Earth Science and Technology
University of Hawai'i at Mānoa

DBEDT
STATE OF HAWAII • DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

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