Symposium on Accelerating Science, Technology, and Circular Innovation in Southeast Asia

September 5-7, 2023

Park Hyatt Hotel Jakarta, Indonesia

As a strong, reliable, and active partner of ASEAN, the United States supports initiatives that promote cooperation in science and technology and foster sustainable economic growth. The U.S.-ASEAN Smart Cities Partnership (USASCP), Arizona State University, and the Rochester Institute of Technology, are collaborating to host the Symposium on Accelerating Science, Technology, and Circular Innovation in Southeast Asia.

The Symposium is structured in three mutually reinforcing tracks: smart sustainable cities, cooperation in science, technology, and innovation, and circular economy and entrepreneurship. It will bring together public and private sector actors involved in programming across multiple disciplines and urban sectors.

Tuesday, September 5, 2023

The first day of the symposium will feature parallel programs by the U.S.-ASEAN Smart Cities Partnership (USASCP), and Arizona State University's US-ASEAN Science Technology and Innovation Cooperation (STIC)

U.S. ASEAN Smart Cities Partnership

8:00-8:30   **Check-In**
Ballroom 1 & 2

8:30-9:00   **Opening Remarks**
Ballroom 1 & 2

9:00-10:00
Ballroom 1 & 2

Climate Finance: Smart Cities Business Innovation Fund
Awardees will present innovative low-carbon products and services

10:00-10:30

Coffee/Tea Break

10:30-12:00
Ballroom 1 & 2

Green Buildings: Lifecycle Assessment and Net-Zero Innovation (virtual)
Presented by University of North Carolina – Charlotte

12:00-13:30

Joint Lunch (90 minutes)

13:30-15:00
Ballroom 1 & 2

Integrated Urban Services: Pilot Projects and Peer Learning
Public authorities from Iskandar Malaysia and Cagayan de Oro will present their agri-tech pilot projects to advance food security together with experts from the National Renewable Energy Laboratory (NREL) and Regenerative Impact Ventures (RIV)

15:00-15:30

Coffee/Tea Break

15:30-16:00
Ballroom 1 & 2

Smart Mobility in Jakarta and ASEAN
Presented by from experts from the U.S. Department of Transportation and Jakarta transport authorities

4:00-5:00
Ballroom 1 & 2

Research/Innovation: U.S. National Science Foundation Green Garden Alleys: Makassar pilot project
Presented by Indonesian academic from Institut Teknologi Bandung

6:00-7:00
Observatory

Joint Welcome Ceremony

U.S.-ASEAN Science, Technology, and Innovation Cooperation

8:00-8:30
Residence 3

Check-In

The Entrepreneurship and Innovation (E&I) participants will be asked to gather in the waiting lobby (Residnce 3). The Science and Technology (S&T) participants are invited to attend the Smart Cities Conference which will be running in parallel to the STIC pitch competition.

8:30-12:00
Residence 1&2

STIC Pitch Competition Round 1
The group will be split into 2 subgroups and will be assigned to a pitch room. Each participant will be called one by one from the waiting lobby to their assigned pitching room, where they will deliver a 5-minute pitch to a panel of 3 judges. There will be 5 minutes for questions from judges, who will score the participant's pitch using a standard rubric. The top 4 ventures from each room will be selected to advance to the Final Round.

Waiting Lobby: Residence 3
Pitch room 1: Residence 1
Pitch room 2: Residence 2

12:00-1:30
Ballroom 1 & 2

Joint Lunch (90-minutes)
During this time, judges will deliberate and select the top 4 pitches from each room to advance to the final round.

1:30-3:00
Residence 3

STIC Pitch Competition Round 2
The top 8 ventures that were selected from the parallel pitch competition will each get 10 minutes to deliver their final pitches and 5 minutes for Q&A before a panel of 6 judges. The participants not selected for the final round will also be in attendance during the final pitches and can ask questions.

Room: Residence 3

3:00-3:30

Coffee/Tea Break

6:00-7:00
Observatory

Joint Welcome Ceremony

Wednesday, September 6, 2023

The second day of the symposium will feature parallel programs by the U.S.-ASEAN Smart Cities Partnership (USASCP), and Arizona State University's US-ASEAN Science Technology and Innovation Cooperation (STIC)

U.S.-ASEAN Science, Technology, and Innovation Cooperation

06:00 – 08:00   **Breakfast**
Participants from the Science and Technology (S&T) track who are presenting a poster will be asked to set up their poster during this time.

08:00 – 08:30   **STIC Check-In and Networking**
Attendees are invited to visit the poster session area

08:30 – 09:00   **STIC Opening Ceremony and Welcome Remarks**
Ballroom 1 & 2   Speaker: XXX, US Department of State

Group Photo

09:00 – 09:30   **STIC Program Overview**
Ballroom 1 & 2   Speaker: Jose Quiroga, STIC Program Director, ASU

This presentation will provide an overview of the U.S. – ASEAN Science, Technology, and Innovation Cooperation (STIC) Program.

09:30 – 10:00   **Keynote Presentation: Digital Transformation in**
Ballroom 1 & 2   **Southeast Asia: Opportunities and Challenges**
Speaker: XXX, ASEAN Secretariat

This keynote presentation will explore the digital transformation journey in Southeast Asia, highlighting the unique opportunities and challenges of how digital technologies can drive sustainable development in the region while addressing pressing environmental concerns. The presentation will explore the intersections of digital transformation, decarbonization, smart cities, and circular economy practices, among others.

10:00 – 10:30   **Coffee/Tea Break and Networking**
Attendees are invited to visit the poster session area.

10:30 – 12:00   **Panel Discussion: Building Resilient and Secure Digital**
Ballroom 1 & 2   **Infrastructure in Southeast Asia**
Moderator: **Mr. Arthur Glenn Maal**, Senior ICT Officer, ASEAN
Economic Cooperation, ASEAN Secretariat

Panelists:
- **Dr. Hoang Anh Tuan**, Lecturer and Research Manager, Tech and
  Cybersecurity, Institute for Nontraditional Security (INS) under
  HSB, VNU, Vietnam (TBC)
- **Mr. Thy Try**, Executive Director, Open Development of Cambodia,
  Cambodia
- **Ms. Thelma Villamore**l, Cybersecurity Bureau OIC Director,
  Department of Information and Communications Technology
  (DICT), Philippines
- **Mr. Kamarudin bin Abd. Ran**i, Under Secretary, Control and
  Compliance Division, Ministry of Communication and Digital,
  Malaysia (TBC)

*This panel will explore the importance of resilient and secure digital
infrastructure in Southeast Asia. Panelists will discuss strategies for
strengthening ICT infrastructure, including broadband connectivity, data
centers, and cloud services. They can also address the evolving
cybersecurity landscape and ways to ensure the robustness and resilience
of digital systems against cyber threats.*

*The panelists and moderator participated in the STIC Cybersecurity Study
Tour in Washington DC during March 2023 and will also share their
experiences in the program.*

12:00 – 13:30   **STIC: Lunch and Networking**
Ballroom 1 & 2   *Attendees are invited to visit the poster session area.*

13:30 – 15:00   **Parallel Workshops and Poster Presentations**
Residence 1 & 2   *Attendees can choose to participate in one of two parallel workshops according to their interests. During this time, the S&T participants will be providing presentations on their research concepts to a group of judges.*

Room: Residence 1
Fundraising for beginners: Milestones for venture growth in Science and Technology Industries.
Presenter: XXX

Whether you're an aspiring entrepreneur or a scientist-turned-founder, this workshop will provide you with actionable insights to navigate the fundraising journey and position your science and technology venture for sustainable growth. Join us and unlock the secrets to securing the funding you need to propel your innovation forward.

Room: Residence 2
Navigating the Journal Submission Process: From Selecting the Right Journal to Dealing with Peer Review.
Presenter: XXX

This workshop guides early career scientists through the journal submission process. It covers strategies for selecting an appropriate journal, understanding the peer review process, writing effective cover letters, addressing reviewer comments, and handling rejection. Participants will gain insights into navigating the publication process and increasing their chances of successful publication.

15:00 – 15:30   **Coffee/Tea Break and Networking**

15:30 – 16:00   **Awards Presentation**
Ballroom 1 & 2   *Attendees will be invited back to the main room where the winners of the 2023 STIC pitch and research poster competitions will be announced.*

16:00 – 16:30   **Closing Remarks**
Ballroom 1&2   Speaker: XXX

U.S. ASEAN Smart Cities Partnership

14:00-14:15
Residence 3

Opening Remarks: Government of Indonesia, U.S. Department of State

14:15-14:45
Residence 3

Circular Economy for Smart Sustainable Cities
Dr. V Anbumozhi, Economic Research Institute for ASEAN and East Asia

14:45-15:00
Residence 3

Indonesian Commitments to Smart Cities
Dr. Yudhistira Nugraha, Director of Jakarta Smart City

15:00-15:15
Residence 3

Strengthening the Enabling Environment for Circular Economy in ASEAN
Takuya Nomoto, First Secretary, Embassy of Japan

15:15-15:30
Residence 3

Promoting Circularity at the Regional and Sub-National Scale
Helen Santiago Fink, U.S.-ASEAN Smart Cities Partnership

15:30-16:00

Tea/Coffee Break

16:00-16:15
Residence 3

Identifying Economic Opportunities Through Material Flow Analysis
Dr. Eric Williams, Rochester Institute

16:15-16:45
Residence 3

Panel Discussion: ASEAN Cities Decarbonization and Dematerialization Activities: Market Opportunities and Operational Challenges
Moderator: Helen Santiago Fink, USASCP
USASCP Smart Cities Innovation Fund Awardees:
- 5RTECH, a solar panel recycling facility in Da Nang, Vietnam
- PatiHoub, a plastics recycler in Luang Prabang, Laos

- BioPac, a seaweed packaging company in Tangerang, Indonesia

16:15-16:45
Residence 3

Private Sector Commitment to Circular Economy
Jim Salzano, CEO of Jones & Vining

17:15-17:45
Residence 3

Panel Discussion: Investment and Finance for Circular Entrepreneurship
Moderator: Dr. Clyde Erikur Hull, Rochester Institute of Technology
Panelists:
- Robertus Theodore, Founder/CEO of Agragi
- Enterprise Singapore
- U.S. Trade Development Agency

Thursday, September 7, 2023

The third day of the symposium will feature a programs by the Rochester Institute of Technology's Saunder's College of Business on Circular Economy Entrepreneurship

Circular Economy Entrepreneurship

8:30-9:00
Observatory

CE Check-in

9:00-9:10
Observatory

Opening Remarks
DOS Representative

9:10-9:40
Observatory

Circular Economy Entrepreneurship Project Launch Presentation
Clyde Hull

9:40-10:00
Observatory

Circular Economy Entrepreneurship Curriculum for Incubators and Universities
Israa Thiab

10:00-10:20

Audience Q&A

10:20-10:35

Coffee/Tea Break

10:35-10:55
Observatory

Circular economy Case Study: E-Waste Opportunities in ASEAN Countries
Eric Williams, Shenying Zhang

10:55-11:15

Audience Q&A

11:15-12:00
Observatory

Transforming Business to Circularity
Jim Salzano

12:00-1:00

Lunch

1:00-1:15
Observatory

Workshop Opening: Making Progress on Circular Economy in ASEAN Countries

1:15-2:30
Observatory

Breakout Groups – Discuss Priorities Topics

2:30-2:45

Coffee Break

2:45-3:30
Observatory

Group Presentations

3:30-3:50
Observatory

General Discussion

3:50-4:00
Observatory

Closing Remarks
Clyde Hull and/or DOS Rep.

About the STIC Program

Sponsored by the U.S. Department of State's Bureau of East Asian and Pacific Affairs Office of Multilateral Affairs (EAP/MLA) and implemented by Arizona State University (ASU), STIC aims to strengthen science, technology, and innovation cooperation between the U.S. and the ASEAN member states. This 3-year program (2022 - 2025) focuses on three major activities:

Science, Technology, and Innovation Policy Study Tour in Washington D.C.
The STIC Study Tour convenes policymakers and technical experts from ASEAN-member states in Washington D.C. to participate in an intensive 1-week program to promote collective action around policy, best practices, and the adoption of shared standards and capacity-building strategies to foster cooperation in science, technology, and innovation in the ASEAN region.

STIC Education Portal
In partnership with Coursera, the STIC Portal provides access to hundreds of upskilling and reskilling courseware developed by top universities in the United States that specifically align with the priority areas identified in the ASEAN Plan of Action on Science, Technology, and Innovation (APASTI 2016-2025). The courses available in the STIC Portal have been carefully curated and grouped into three learning tracks:

- **Science and Technology (S&T) Track**
  The S&T Track includes 9 technical academies aligned with the priority areas identified by APSATI 2016 2025. Each year, participants will be invited to submit research concepts and 35 will be competitively selected to present at the annual conference where $50k will be awarded in research grants.
- **Entrepreneurship and Innovation (E&I) Track**
  The E&I Track has curated content to develop skills around ideation, prototyping, financial literacy, and business growth. Each year, 35 participants will be selected to join an online business venture incubator leading to the pitch competition during the annual conference where $50k will be awarded in seed funding.
- **Industry Professional Credentials (IPC) Track**
  The IPC Track includes content from companies like IBM, Google, Meta, and Microsoft. This track provides certification courses on skills that are in high demand such as cloud computing, AI, machine learning, cybersecurity, etc.

STIC Regional Conference
Each year, the program will host a 2-day regional conference with keynote speakers and panel discussions with international subject matter experts, networking opportunities, roundtable discussions, collective projects, and advanced skill-building workshops. The conference will host a research seed grant competition and a business venture creation pitch competition. Annually, $100,000 will be awarded to 4 research projects and 4 business ventures through a competitive process.