



SEAIP 2022 AGENDA:

Date/Time: 7th-10th December 2022. (UTC+8, TW Time)

Venue: NCHC, Huisun Forest

(<https://nchc-narlabs.webex.com/meet/NCHC-VC-001>)

Website: seaip.nchc.org.tw

(Update: 2022/12/7)

Day 1: 7th December@NCHC Hsinchu

Time/Venue	Event
9:00-9:10	Opening Chau-Lyan Chang, NCHC Bill Chang, University of Hawaii at Manoa Peter Arzberger, Founder of PRAGMA
Session 1 Follow-up Collaboration in CI & AI (special invitation)	
9:10-9:55	<ul style="list-style-type: none"> - "ICICLE AI Institute: how infrastructure can drive democratized AI" Beth Plale, Indiana University - "Distributed collaborative platform for pathology image analysis" Pau-Choo Chung, National Cheng Kung University - "PAIR Labs: Building a Streamlined Data Science Platform" Yu-Chee Tseng, National Yang Ming Chao Tung University
9:55-10:10	Discussions of collaboration Chair: Beth Plale, Indiana University
10:10-10:30	Coffee break
Session 2: AI & Agriculture (special invitation)	
10:30-11:15	<ul style="list-style-type: none"> - "Smart Agriculture" (online) Christopher Stewart, Ohio State University - "Discriminating and Predicting The Severity of Pestalotiopsis Disease in Rubber Plantation using UAV Imagery" Yeni Herdiyeni, Bogor Agriculture University (IPB), Indonesia

	<ul style="list-style-type: none"> - “Applying remote sensing, UAV, and AI techniques for a sustainable environment” Ming-Der Yang, Hui-Ping Tsai, NCHU
11:15–11:30	Discussions on Possible Collaboration Chair: Jose Fortes, University of Florida, CO-Chairs: Shava Smallen, UCSD
11:30–12:00	Invited Talk: AR/VR for Smart Applications Uwe Woessner, HLRS
12:00–13:30	Lunch Break
Session 3: CI & HPC: Progress & Update Chairs: Shava Smallen, Rui Oliveira	
13:30–15:00	<ul style="list-style-type: none"> - “Challenges and Opportunities in Building a National HPC Center” (online) Jelina Tanya H. Tetangco, ASTI - “Applications and self-tuning of cyberinfrastructure for digitized biocollections data” Jose Fortes, University of Florida - “Sustainable HPC” Rui Oliveira, INESC TEC - “AI/ML and HPC in Vietnam – Infrastructure Enhancement and Applications During and After the Pandemic” Nguyen Truong Thang, IOIT, VAST - “Toward building AI Hub on ABCI” Yusuke Tanimura, AIST - “CloudBank: Managed Services to Simplify Cloud Access for Computer Science Research and Education” Shava Smallen, Interim Co-Chair, PRAGMA and UCSD - “Design and Implementation of a High-Performance Network Function Virtualization Platform” Chu-Sing Yang, National Cheng Kung University
15:00–15:20	Coffee break
Session 4: CI & AI: Applications & Update Chairs: Jason Haga, Prapaporn Rattanathamrong	
15:20–17:00	<ul style="list-style-type: none"> - “Status update on super city Osaka” Shinji Shimojo, Osaka University - “Digital Twins in Immersive Visualization” Jason Haga, AIST - “Towards Digital Twins over the Edge-Cloud Continuum” Prapaporn Rattanathamrong, Thammasat University - “Aircraft Trajectory Clustering and Classification” Thapana Boonchoo, Thammasat University - “Why does noise monitoring data matter?”

	<p>Krittika Lertsawat, Soundgood Project and Enlaw Thai foundation</p> <ul style="list-style-type: none"> - “Machine learning application for monitoring underwater tropical marine ecosystem” <p>Indra Jaya, Borgor Agriculture University (IPB)</p> <ul style="list-style-type: none"> - “Dynamic modelling for noise mapping in urban areas” <p>Ta Chien Chan, Academia Sinica</p>
18:00	Dinner

Day 2 8th December@NCHC Taichung & Huisun Forest

9:00-10:30	Travel to Taichung
10:30-12:00	NCHC Facility Tour Weicheng Huang, NCHC <ul style="list-style-type: none"> - Introduction of HPC Facility and future plan - Energy Issues for future facilities - Tour to the computing facility& Geo Lab - Q&A/ Discussion
12:00-13:00	Lunch break
13:00-14:30	Travel to Huisun Forest
15:00-17:00	Huisun Forest introduction tour
18:00-	Dinner

Day 3 9th December@Huisun Forest

9:00-10:10	Unstructured Collaborative Discussions
10:10-10:30	Coffee Break
10:30-12:00	CI & HPC: Progress & Update <ul style="list-style-type: none"> - HPC & Visualization tools AIST - HPC applications in Vietnam IOIT, VAST - AI for Acoustic Signal Applications Thammasat University
12:00-13:30	Lunch break
13:30-15:10	break-out sessions <ul style="list-style-type: none"> - Cyberinfrastructure - HPC & AI - Visualization
15:10-15:30	Coffee break
15:30-16:00	Plenary discussions
16:00-	Unstructured collaborative discussions.
18:00	Dinner

Day 4 10th December@Huisun Forest

10:00-11:30	Challenge and Opportunity on Cyberinfrastructure & HPC <ol style="list-style-type: none"> 1. Can community effectively meet for collaboration - Practices in PRAGMA - Shava, UCSD 2. What differences did you see in the post COVID-19 era in your HPC activities? Then, what is your foreseen/observed new opportunities? - Jose Fores, University of Florida 3. I would be interested to understand, individually, institutionally, nationally how people are coping with the virus, and what has been
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	<p>the impact on international collaboration. - Beth Plale, Indiana University</p> <p>4. What differences did you see in the post COVID-19 era in your HPC activities? Then, what is your foreseen/observed new opportunities? - Jason Haga, AIST</p>
11:30-12:00	Discussions and Conclusions
12:00-	Stay Safe & See you Next Year!

Ps. it would take about 3 hours to travel from Huisun Forest to Taiwan Taoyuan International Airport, and 3.5 hours to Taipei city