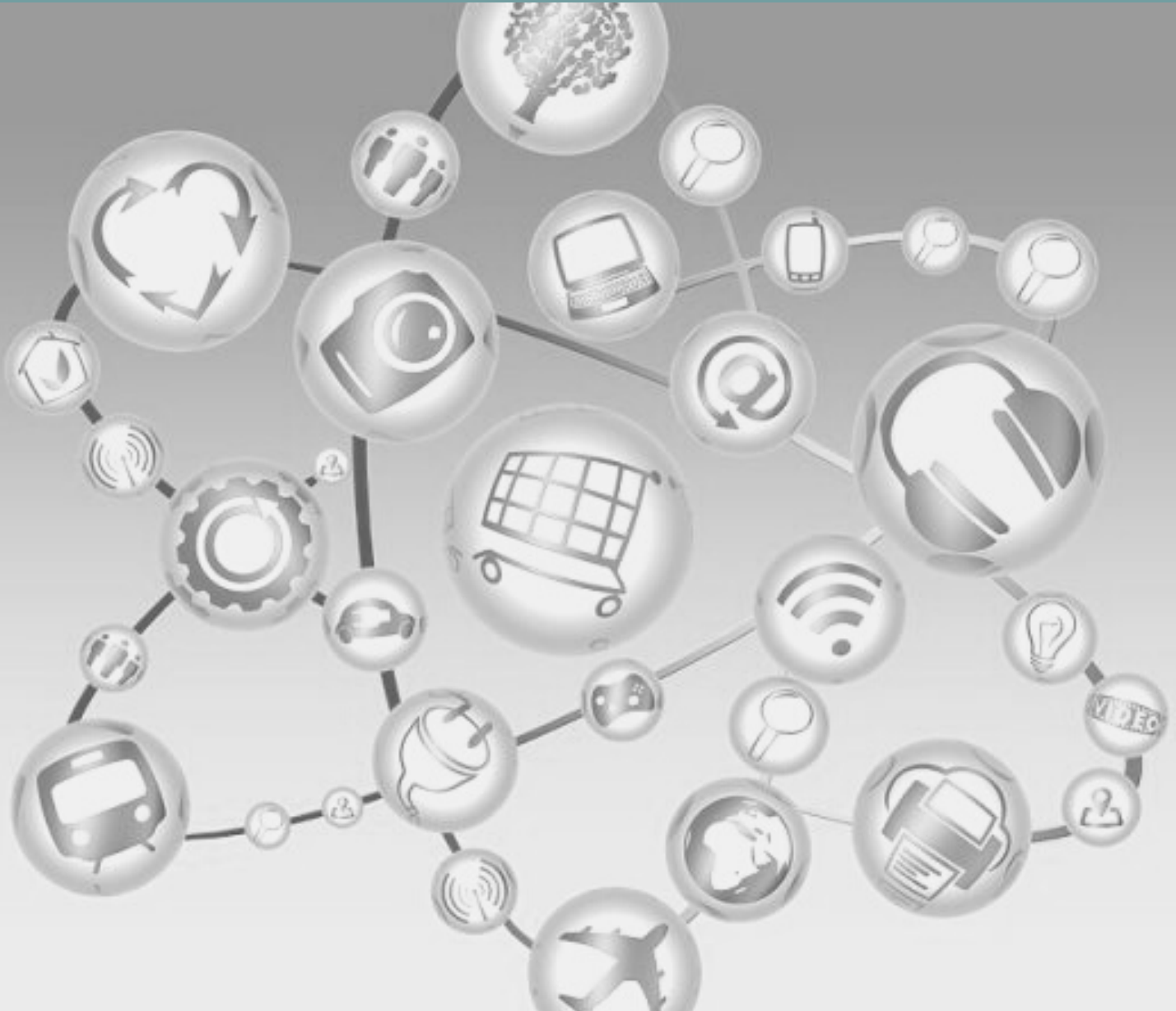


# INTERDISCIPLINARY CONFERENCE ON ADVANCES IN COMMUNICATION AND INFORMATION SCIENCES



**APRIL 24, 2020**

University of Hawai'i at Mānoa, Honolulu, HI

**PRESENTED BY THE COMMUNICATION AND INFORMATION  
SCIENCES PROGRAM**

## Interdisciplinary Conference on Advances in Communication and Information Sciences

April 24, 2020

University of Hawai'i at Mānoa, Honolulu, HI

Since the first communications satellites heralded global communication in the late 1960s, numerous academic disciplines have been challenged by the rapidly changing impacts of information and communication technologies (ICTs). Since 1986, the Interdisciplinary CIS Program at the University of Hawai'i at Mānoa has been characterized by a distinguished list of scholars and practitioners focusing on the interdisciplinary study of ICTs in their broader social, political, economic contexts. The pervasiveness of "information" has led to growing interdisciplinary research, with fruitful intersections among many natural and social scientific disciplines, as well as those in business, the arts and humanities, biomedical sciences, and law. This conference, hosted by the Communication and Information Sciences Program, highlights current and emerging research in the Internet technology, management, and policy space. These issues are highly interdisciplinary in nature, requiring a variety of disciplinary and methodological approaches. Example areas include: social networking platforms, artificial intelligence, Internet of Things, quantum computing, big data, mobile networks, information and communication technology for development (ICTD), and the ethics of algorithms, to name a few. This conference features some of the most recent research in these complex and dynamic fields from our alumni.

We are honored to host this conference, a first of its kind, and we welcome you!

Sincerely,

Your Conference Committee Co-Chairs,

Alicia JW Takaoka

Yiting Wang

Jenifer Sunrise Winter

SPONSORED BY THE COMMUNICATION & INFORMATION SCIENCES PHD PROGRAM, UNIVERSITY OF HAWAII AT MANOA (JOINTLY ADMINISTERED BY INFORMATION AND COMPUTER SCIENCES, LIBRARY AND INFORMATION SCIENCES, SCHOOL OF COMMUNICATIONS, AND INFORMATION TECHNOLOGY MANAGEMENT)

# INTERDISCIPLINARY CONFERENCE ON ADVANCES IN COMMUNICATION AND INFORMATION SCIENCES



## INVITED TALKS



### KAVEH ABHARI

#### *Digital Transformation and Experiential Values of Work*

Kaveh Abhari is an Assistant Professor of Information Systems at Fowler College of Business at San Diego State University and affiliate research faculty at University of Hawaii at Manoa. His research focuses on the applications of social technologies in democratizing innovation, entrepreneurship, and education. He has founded DiLab to research digital transformation, and STEM<sup>D</sup> Group to support STEM education in underserved communities. He holds a Ph.D. in Communication & Information Sciences, a Ph.D. in Management and a Master's in Electrical Engineering.



### SAL AURIGEMMA

#### *Motivating Voluntary Security Actions by Enhancing Psychological Capital*

Sal Aurigemma teaches Telecommunications, Information Security, and Emerging Technical Skills for the Collins College of Business School of Accounting and Computer Information Systems. A Navy veteran of 20+ years and with over a decade of experience in the Information Technology field, his research explores employee information security policy compliance, improving end-user and small business information security practices, and end-user computing focusing on business spreadsheet error detection. He has published in JAIS, Computers & Security, Information and Computer Security, Decision Support Systems, the Journal of Organizational and End User Computing, and the Journal of Information Systems Security and was awarded the Collins College of Business Teaching Excellence Award for 2015-2016.

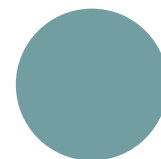


### PRASANNA KARHADE

#### *In the Realm of Hungry Ghosts: Investigating Digital Platforms in G.R.E.A.T. Contexts*

Prasanna Karhade is a Shidler College Faculty Fellow and a Faculty Fellow at the Pacific Asian Center for Entrepreneurship (PACE) and an Assistant Professor in the Department of Information Technology Management at the Shidler College of Business at the University of Hawai'i. He holds a Ph.D. in Business Administration from the University of Illinois at Urbana-Champaign. He also earned a Master of Science degree (Computer Science) from Georgia State University and a Bachelor of Engineering degree (Computer Engineering) from Sardar Patel College of Engineering, University of Mumbai. He worked as a software engineer for about 30 months before embarking upon his academic journey. His research interests, which include IT governance, digitally enabled innovation, and recently, digital platforms, are at the intersection of Management Information Systems and Strategic Management. His research has been published in Information Systems Research, MIS Quarterly, the Journal of Management Information Systems and the Communications of the Association for Information Systems.

# INTERDISCIPLINARY CONFERENCE ON ADVANCES IN COMMUNICATION AND INFORMATION SCIENCES



## HANAE KRAMER

### *Japan's Control Box Phenomenon*

Hanae Kurihara Kramer is an Associate Professor in the School of Communications (SoC) at the University of Hawai'i on the Mānoa campus, where she teaches intercultural communication and cross-cultural training. She has written articles on East Asian cinema, the Hawaiian diaspora in the Bonin Islands, Japanese controlled Manchuria, the Nikudan san'yūshi suicide bombers, and aspects of the Pacific War. In 2017, she completed a translation of the 1942 Japanese-language book *Tōa ni tachite* (Standing on East Asia), authored by a German propagandist named Klaus Mehnert who was a popular University of Hawai'i professor shortly before the United States entered World War II. Over the past decade, Dr. Kramer has collected approximately 10,000 Japanese SP records pressed prior to 1945 and related ephemera. With the assistance of generous grant, she is studying, cataloging, and preserving these fragile cultural artifacts. Her most recent interest is in Japanese obsolete coin-operated machines. The working title of her current research paper is "Industrial Fun."



## TRISHA LIN

### *Closing Keynote / Socialbot in Taiwanese Elections: Platform Transience and Government Policy for Safeguarding Democracy*

Professor Trisha T.C. Lin is the Associate Dean (Research) at College of Communication and Chair of Dept. of Radio & Television, National Chengchi University, Taiwan. She is also the Chair of International Research and Collaboration Committee, Taiwan Institute for Governance and Communication Research. With media professional experiences, Dr. Lin previously worked at Nanyang Technological University. Her research focuses on using mixed-method approaches to examine emerging media's socio-technical systems, socio-psychological user adoption, and human-machine interactions with social impacts. Dr. Lin published more than 50 new media-related journal articles in noted journals. Besides the editor-in-chief of *Journal of Audio-Visual Media and Technologies*, she has worked for the editorial board for *Digital Journalism*, *Asian Journal of Communication*, *Communication Research and Practice*, and *Media Asia*. Moreover, she actively served the steering committee of Chinese Communication Association, and the Applied Public Policy Research Award Committee at the International Communication Association.



## ASHIYAN RAHMANI-SHIRAZI

### *Proposing Interdisciplinary Collaboration in Deconstructing Structural Inequality*

Ash Rahmani completed the CIS Ph.D. in December 2018 and is teaching in the Communications Departments at California State University – East Bay, and San Francisco State University. Born and raised in the UK, and having lived and worked for extended periods in China, Mexico and Hawaii, Ash's ICTD-based research has most recently focused, for the Ph.D., on women leader's community radio and mobile devices usage in Fiji, about which a documentary is currently being produced, and also working towards publishing the dissertation. Whilst at UHM Ash was an award-winning instructor in the School of Communications, and a doctoral fellow with Pacific ICTD Collaborative. He lives, with his Mexican wife, in northern Mexico, near San Diego, and commutes to the San Francisco Bay Area for a few days, weekly.

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## CHAMIL RATHNAYAKE

*Opening Keynote/ A Network Perspective to Mapping Digital Ambient affiliations: An Analysis of Instagram Climate Change Metadiscourse*

Chamil Rathnayake is Lecturer in Media and Communication at the University of Strathclyde, Glasgow, UK. He completed his PhD in Communication and Information Sciences at the University of Hawai'i at Mānoa. Chamil's current research take an interdisciplinary approach to understand 'mediated publicness' enabled by social media affordances with a special emphasis on how new affordances allow novel socialities, such as instances of 'momentary connectedness'. Chamil's work has appeared in *Social Media+Society*, *Journal of Broadcasting and Electronic Media*, *Policy and Internet*, *Feminist Media Studies*, and the *Social Science Journal*.



## WIEBKE REILE

*Taking Your PhD to Conducting Business Industry Insights*

Wiebke Reile is German born and California raised, and is currently residing in Brooklyn, New York. She is a recent doctoral graduate from the University of Hawaii at Manoa's Information and Communication Science program in May of 2019. Previously, she completed a Master of Science in Media Studies at Brooklyn College (2014) and Bachelor of Science in Broadcast Journalism at Boston University's School of Communication (2009). While at the University of Hawai'i, she worked as a research assistant on the Librarians' Inquiry Forum, which examined professional development of librarians through a social media platform called SLACK. Her dissertation focused on how social movement organizations use social networking sites to engage citizens in collective action. Currently, she is working at Brooklyn College as an Adjunct Assistant Professor teaching both Communication Research Methods and Communication Law and Policy. Concurrently, she is teaching Media Law and Ethics at Grand Canyon University online. Moreover, she is working as a corporate media researcher at Zenith Media (Publicis Groupe), providing proprietary research for Yahoo, AOL, Huffington Post, and Tech Crunch. In her personal life she enjoys spending time with her fiancé, dog, and traveling to every island in the world. Her future research is focused on studying the effectiveness of different digital activist organizations and social movements on social media.



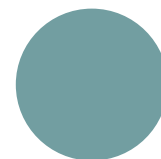
## JO-YU WANG

*Closing Keynote/ Socialbot in Taiwanese Elections: Platform Transience and Government Policy for Safeguarding Democracy*

Jo-Yu Wang is currently studying at the Doctoral Program of Communication, National Chengchi University, Taiwan. In 2011, she received a M.A. of cinema studies from Bristol University, United Kingdom. Her full-time job is a Chinese literature teacher at National Pingtung Girl's Senior High School. Her research interests focus on political communication, gender and communication technology, as well as new media research.



# INTERDISCIPLINARY CONFERENCE ON ADVANCES IN COMMUNICATION AND INFORMATION SCIENCES



## LIGHTNING TALKS



### STANISLAVA GARDASEVIC

*Knowledge Graph for Discovery and Navigation- Case of CIS PhD Program*

Stasha is a 4th year CIS Ph.D. student, and teaching assistant/course instructor at Library and Information Science (LIS) Program. Her background is in LIS (International Master in Digital Library Learning). Before coming to UHM, Stasha was working in National Library of Serbia, where she was involved in e-services projects (digital libraries, digital archive, web archive, e-legal deposit, etc.), as well as multiple international projects. Her research addresses the problem of facilitating the discovery of relevant resources that are considered as necessary for the success of a Ph.D. student- e.g. finding an appropriate supervisor, thesis committee members, collaborators; but also information on relevant courses, projects, conferences, labs, etc.



### STACIA GARLACH

*Usability of Preference-Setting Tools for Online Behavioral Advertising*

Stacia will soon defend her dissertation, *Usability of online behavioral advertising preference-setting tools for the mobile environment: AdChoices and Facebook Ad Preferences*. Her research explores consumers' understanding of behaviorally-targeted online advertising through two qualitative, hands-on usability studies of ad preference-setting tools on mobile devices. She is interested in online advertising and its implications on consumer data privacy, from both a communication policy perspective (regulatory framework), and a human computer interaction perspective (design aspects of usable privacy and security). She has more than 20 years' professional experience in marketing communication, mostly for non-profit organizations.

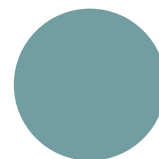


### MOSHE KARABELNIK

*Visual Cross-Platform Analysis of the Social Media Discourse About Mauna Kea and the Thirty Meter Telescope*

Moshe is interested in the practice of using digital images in social media. He wants to understand what people are doing with visual media in their everyday lives. Currently working on understanding the use of visual media in the creation of group identities in political conflict. He received his MA on Film & Television; he's always looking for new television shows and old art movies.

# INTERDISCIPLINARY CONFERENCE ON ADVANCES IN COMMUNICATION AND INFORMATION SCIENCES



## LIGHTNING TALKS



### NYLE SKY KAUWELoa

*The Origins of "College Esports" and Stanford University in 1972*

Nyle Sky Kauwelo is a student in the Communication and Information Sciences PhD Program at the University of Hawai'i at Mānoa and a Doctoral Fellow of the Pacific Information and Communication Technology for Development Collaborative (PICTDC). Sky's research focus is on competitive online gaming (esports), student development, and the growth of collegiate esports programs in the United States.



### MAGGIE PULVER

*Use of Social Media by Organizations to connect with Disparate Offline Communities*

Maggie is interested in Community Engagement and Network Science, as it relates to the building and maintaining of relationships that can support culture- and place-based education of Hawai'i's youth.



### TERENCE ROSE

*The Design, Development, and Deployment of the National Library Service's Digital Talking Book Program: A Case Study Update*

Terence Lionel Rose, after working four years a reference assistant for the Business, Humanities and Social Sciences Department at Hamilton Library, he is now a Librarian for the Hawaii State Public Library System's Library for the Blind and Physically Handicapped in Waikiki. Mr. Rose has over six of experience working as a Reader Advisor at the Michigan Braille and Talking Book Library in Lansing, Michigan and he is also a 7th year doctoral candidate in the Communication and Information Sciences program at University of Hawaii at Manoa and currently is "All but Dissertation."

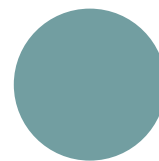


### YINAN SUN

*Exploring Cultural Affordance on WeChat*

Yinan SUN is a second year Ph.D. student of Communication and Information Sciences Interdisciplinary Ph.D. Program, University of Hawaii, Manoa. Her interests center around the broad area of social informatics, specifically cultural affordance, cultural identities and fake news. Currently, she is working on identifying how social media and cultural context influence people's perception as well as behavior.

# INTERDISCIPLINARY CONFERENCE ON ADVANCES IN COMMUNICATION AND INFORMATION SCIENCES



## CONFERENCE ORGANIZERS



### ALICIA JW TAKAOKA

*Co-Chair/ Exploring New Narratives About Childlessness*

Alicia is a full time instructor at University of Hawai'i at Hilo and a doctoral student (ABD) at University of Hawaii at Manoa, earning a PhD in the Communication and Information Science program. Areas of specialization and research interests are women in STEM, writing across disciplines, ethics and information literacy, social informatics and human-computer interaction, stigmatization of marginalized groups, online education, asynchronous communication, social media studies, and digital humanities, preservation, storytelling, and culture. Alicia's doctoral research project is a community-based case study that evaluates perceptions about stigmatized individuals in both local and global communities.



### YITING WANG

*Co-Chair/ Theatrical Affordances in Visual Social Media: Self-Representation on TikTok*

Yiting is a doctoral student majoring in Communication and Information Sciences at the University of Hawai'i at Mānoa. She received her Communication degrees from the National Academy of Chinese Theatre Arts. Yiting's interests focus on the theatrical affordances of visual social media, self-presentation and self-representation. She teaches an undergraduate course and is also a certified translator. Her latest paper is titled *Cross-Cultural Communication: Language Choice among International Couplehoods*.



### DR. JENIFER SUNRISE WINTER

*CIS Program Chair / Conference Co-Chair*

Jenifer's research addresses data governance, policy, and ethics related to big data, artificial intelligence (AI), and the Internet of Things (IoT). She is PI of an NSF-funded grant addressing one of the grand challenges of this big data era - how we can harness health data resources for societal good amidst many competing claims on the value to be derived from these data and the substantial risks for individual privacy and security. Jenifer also explores the governance of AI and personal health information (PHI), assessing the increasing challenges to governing the PHI essential for advancing AI/machine learning innovations in healthcare. She has participated in several U.S. National Science Foundation events related to privacy and cybersecurity (via the Team for Research in Ubiquitous Secure Technology) and the future of broadband.





# Program

**9:00-9:15 AM**

OVERVIEW AND INTRODUCTIONS

**9:15-9:40 AM**

OPENING KEYNOTE BY  
CHAMIL RATHNAYAKE  
STRATHCLYDE UNIVERSITY, GLASGOW, UK

**9:40-9:50 AM**

OPENING KEYNOTE DISCUSSION

**9:50-10:05 AM**

SAL AURIGEMMA  
UNIVERSITY OF TULSA

**10:05-10:20 AM**

PRASANNA KARHADE  
UNIVERSITY OF HAWAII AT MANOA

**10:20-10:30 AM**

DISCUSSION & VIRTUAL COFFEE BREAK



# Program

**10:30-10:45 AM**

WIEBKE REILE  
BROOKLYN COLLEGE/ ZENITH MEDIA

**10:45-11:00 AM**

ASHIYAN RAHMANI-SHIRAZ  
CALIFORNIA STATE UNIVERSITY, EAST BAY

**11:00-11:10 AM**

DISCUSSION & VIRTUAL COFFEE BREAK

**11:10-11:25 AM**

KAVEH ABHARI  
SAN DIEGO STATE UNIVERSITY

**11:25-11:40 AM**

HANAE KRAMER  
UNIVERSITY OF HAWAII AT MANOA

**11:40- 11:50 AM**

DISCUSSION & VIRTUAL COFFEE BREAK

# Program

**11:50-12:15 PM**

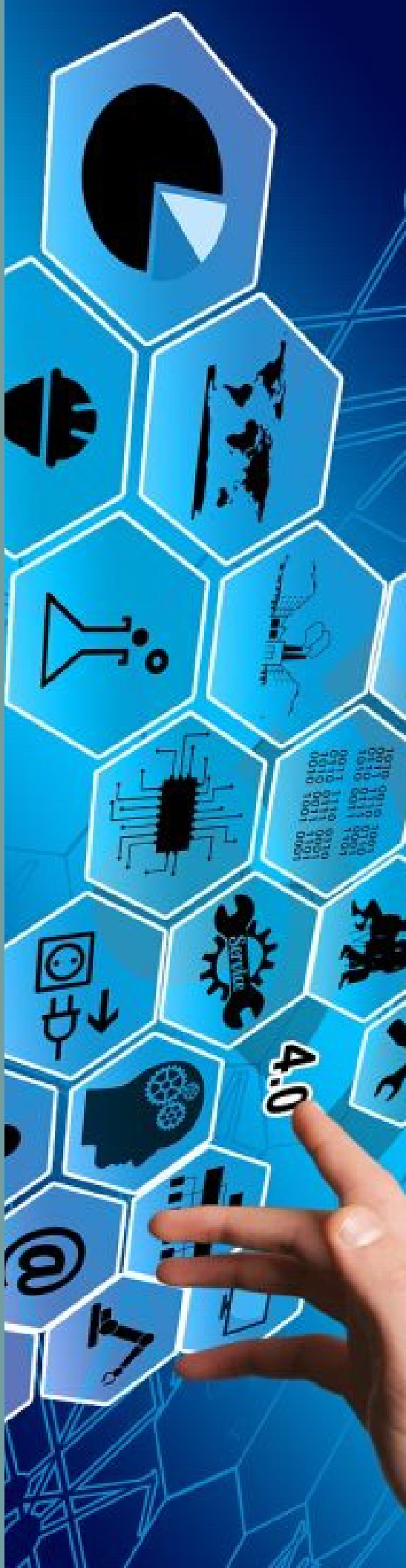
CLOSING KEYNOTE BY  
TRISHA LIN WITH JO-YU WANG  
NATIONAL CHENGCHI UNIVERSITY, TAIWAN

**12:15-12:30 PM**

CLOSING KEYNOTE DISCUSSION

**12:30-1:30 PM**

POST-CONFERENCE PAU HANA  
VIRTUAL SOCIAL  
HOUR WITH CIS AFFILIATES





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MĀNOA

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