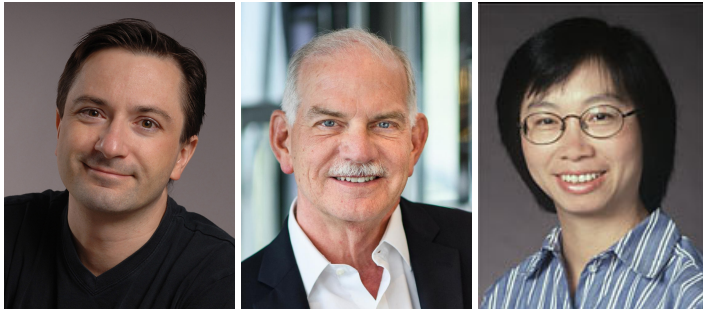




ICNC 2023 Highlight



Keynote Speakers

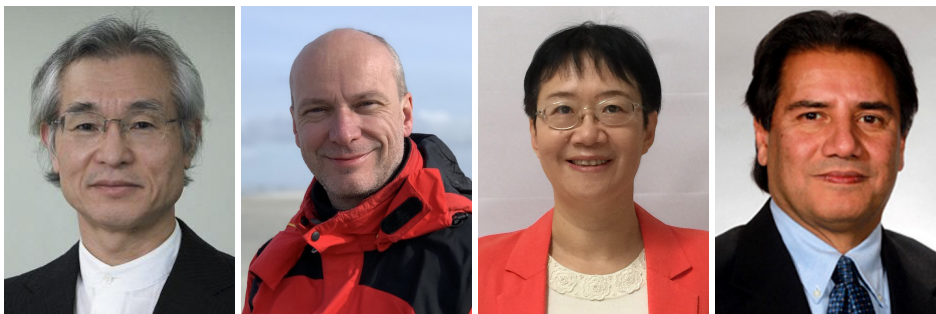


Speaker: Richard G. Baraniuk
Title: Going Off the Deep End with Deep Learning
Time: 8:30 - 9:30, Wednesday, February 22, 2023

Speaker: H. Vincent Poor
Title: Federated Learning in V2X Networks
Time: 8:30-9:30, Monday, February 20, 2023

Speaker: Weihua Zhuang
Title: Stochastic Cumulative DNN Inference for Intelligent IoT ..
Time: 8:30 - 9:30, Tuesday, February 21, 2023

Plenary Talks



Speaker: Fumiyuki Adachi
Title: A concept of user-centric ultra-dense distributed MIMO...
Time: 13:30 - 14:30, Monday, February 20, 2023

Speaker: Falko Dressler
Title: Learning for Resilient Virtualized Edge Computing
Time: 13:30 - 14:30, Tuesday, February 21, 2023

Speaker: Ling Liu
Title: From Edge Video Analytics to Federated Learning
Time: 14:30 - 15:30, Tuesday, February 21, 2023

Speaker: Hamid Sharif
Title: OT Cybersecurity Verification and Validation
Time: 14:30 - 15:30, Monday, February 20, 2023

Distinguished Lectures



Speaker: Shiwen Mao
Title: RFID-based 3D Human Pose Tracking: Design, ...
Time: 13:30 - 15:30, Wednesday, February 22, 2023

Speaker: Yi Qian
Title: Machine Learning and Security for Vehicular ...
Time: 16:00 - 18:00, Wednesday, February 22, 2023

Speaker: Junshan Zhang
Title: Adaptive Ensemble Q-learning: Minimizing Estimation ...
Time: 10:00 - 12:00, Wednesday, February 22, 2023

Invited Talks



Speaker: Ender Ayanoglu
Title: Machine Learning in NextG Networks via Generative ...
Time: 14:30-15:00, Wednesday, February 22, 2023

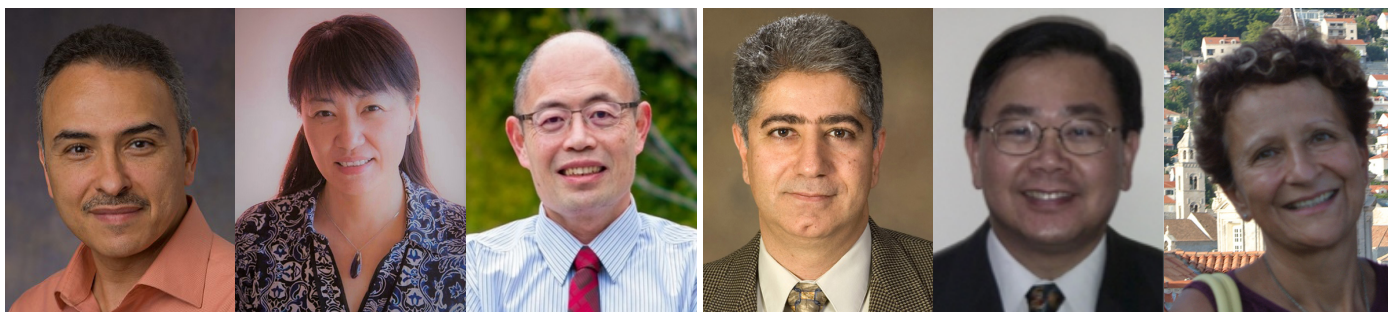
Speaker: Yuanzhu Chen
Title: Interconnectedness – from classic theory of graphs to ...
Time: 10:30-11:00, Monday, February 20, 2023

Speaker: Yu Cheng
Title: Application-Oriented Scheduling for Optimizing ...
Time: 11:30-12:00, Tuesday, February 21, 2023

Speaker: Kevin Fu
Title: Wicked bizarre semiconductor physics of sensor security
Time: 16:00-16:30, Monday, February 20, 2023

Speaker: Xinwen Fu
Title: Unified View of IoT and CPS Security and Privacy
Time: 17:30-18:00, Monday, February 20, 2023

Speaker: Sergei Gorlatch
Title: Distributed Software Applications Based on Mobile Cloud ...
Time: 11:30-12:00, Monday, February 20, 2023.



Speaker: Hassam Hassanein
Title: Anticipatory Radio Resource Management for 5G ...
Time: 16:30-17:00, Tuesday, February 21, 2023

Speaker: Rose Qingyang Hu
Title: Federated Learning With Efficiency and Privacy ...
Time: 11:00-11:30, Monday, February 20, 2023

Speaker: Chin-Tser Huang
Title: Smart Markers in a Blockchain: How to Release the ...
Time: 16:00-16:30, Wednesday, February 22, 2023.

Speaker: Marwan Krunz
Title: Stealthy Adversarial Machine Learning Attacks on RF ...
Time: 16:00-16:30, Tuesday, February 21, 2023

Speaker: Victor C.M. Leung
Title: Blockchain-enabled Edge Intelligence for 6G IoT
Time: 11:00-11:30, Tuesday, February 21, 2023

Speaker: Jelena Mistic
Title: Adapting Practical Byzantine Fault Tolerance (PBFT) for ...
Time: 11:30-12:00, Wednesday, February 22, 2023



Speaker: Panos Nasiopoulos
Title: An in-depth look at Deep Learning in Digital Media
Time: 11:00-11:30, Wednesday, February 22, 2023

Speaker: Shervin Shirmohammadi
Title: Towards Automating Network Operation Centers with AI
Time: 10:30-11:00, Wednesday, February 22, 2023

Speaker: Houbing Song
Title: AI for Cybersecurity and Security of AI
Time: 15:00-15:30, Wednesday, February 22, 2023

Speaker: Lee Swindlehurst
Title: Wave-Controlled Reconfigurable Intelligent Surfaces
Time: 11:00-11:30, Tuesday, February 21, 2023

Speaker: Manos M. Tentzeris
Title: “Zero-Power” RFID-enabled Wireless/B5G ...
Time: 14:00-14:30, Wednesday, February 22, 2023

Speaker: Shaoen Wu
Title: Deep Learning based Radar Sensing: From Traditional ...
Time: 17:30-18:00, Tuesday, February 21, 2023



Speaker: Jie Wang
Title: Generative Steganography via Live Commenting on ...
Time: 17:00-17:30, Tuesday, February 21, 2023

Speaker: Naoaki Yamanaka
Title: Time-space synchronized digital twin for B5G managed ...
Time: 10:00-10:30, Monday, February 20, 2023

Speaker: Li-Chun Wang
Title: 6G Wireless for Sustainable Development Goals
Time: 14:30-15:00, Wednesday, February 22, 2023

Speaker: Michele Zorzi
Title: 5G NR-Light at Millimeter Waves: Design Guidelines for...
Time: 13:30-14:00, Wednesday, February 22, 2023

Speaker: Zhi Wei
Title: Deep autoencoders for analysis of single-cell RNA ...
Time: 17:30-18:00, Monday, February 21, 2023

Speaker: Yonggang Wen
Title: DCWiz: Transforming Data Center Operations and ...
Time: 10:00-10:30, Wednesday, February 22, 2023

Speaker: Cedric Westphal
Title: What Color is Your Internet? And Can We Make it Green?
Time: 15:00-15:30, Wednesday, February 22, 2023



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For Technical Program

ICNC 2023 Program-at-a-Glance															
Honolulu, Hawaii, USA															
February 20-22, 2023															
Time/Day	Monday (February 20)					Tuesday (February 21)					Wednesday (February 22)				
Room	Pi'inaio Ballroom 1	Palolo 1	Palolo 2	Palolo 3	Palolo 4	Pi'inaio Ballroom 1	Palolo 1	Palolo 2	Palolo 3	Palolo 4	Pi'inaio Ballroom 1	Palolo 1	Palolo 2	Palolo 3	Palolo 4
8:20 - 8:30	Opening Remarks														
8:30 - 9:30	Keynote: Vincent Poor Princeton University, USA					Keynote: Weihua Zhuang University of Waterloo, Canada					Keynote: Richard G. Baraniuk Rice University, USA				
9:30 - 10:00	Coffee Break														
10:00-12:00	Invited Talks I	AMCN I	CIS I	ECB I	NGNI I	Invited Talks III	AMCN III	CIS III	MWN	WC	Distinguished Lecture I	Invited Talks V	CIS V	SCDM	WASN I
12:00 - 13:30	Lunch														
13:30 - 15:30	Plenary: Fumiyuki Adachi , Tohoku Univ., Japan Hamid Sharif , University of Nebraska-Lincoln, USA					Plenary: Falko Dressler , TU Berlin, Germany Ling Liu , Georgia Institute of Technology, USA					Distinguished Lecture II	Invited Talks VI	NGNI / MWN	NAPE I	WASN II
15:30 - 16:00	Coffee Break														
16:00 - 18:00	Invited Talks II	AMCN II	CIS II	ECB II	NGNI II	Invited Talks IV	AMCN IV	CIS IV	MCC		Distinguished Lecture III	Invited Talks VII	Network Adv.	NAPE II	
19:00 - 21:00	Welcome Reception (Pi'inaio Ballroom 2)					Banquet & Award Ceremony (Pi'inaio Ballroom 2)									

Registration Desk Hours
Monday (February 20): 8:00 - 16:00

Tuesday (February 21): 8:00 - 16:00

Wednesday (February 22): 8:00 - 12:00

<http://www.conf-icnc.org/2023>



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IMPORTANT DATES

Paper Submission:	July 5, 2023
Acceptance Notification:	September 20, 2023
Camera-ready Paper:	October 20, 2023
Conference date:	February 2024

CALL FOR PAPERS

The International Conference on Computing, Networking and Communications (ICNC), sponsored by the Technology Innovation Association, is a premier conference in the computer and communication fields. **ICNC 2024** will be held in **Hawaii**, USA, during **February 2024**. Perspective authors are cordially invited to submit original technical papers to the following areas:

- AI and Machine Learning for Communications and Networking
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- Mobile and Wireless Networking
- Multimedia Computing and Communications
- Next Generation Networks and Internet Applications
- Network Algorithms and Performance Evaluations
- Optical and Grid Networking
- Signal Processing for Communications
- Social Computing and Data Mining
- Wireless Ad Hoc and Sensor Networks
- Wireless Communications

Papers should be submitted via EDAS. Prospective authors should prepare their manuscripts in accordance with the standard IEEE camera-ready format (double column, 10-pt font) as well as the requirement set in EDAS. The maximum length of an ICNC paper without over-length charge is FIVE (5) pages. Authors are allowed to pay for up to TWO (2) additional pages with over length charge. Submitted papers must not have been previously published in or under consideration for publication in another journal or conference. The organizing committee of ICNC 2021 reserves the right not to review papers that either exceed the length limit or have been submitted or published elsewhere. A submission must include a title, an abstract, keywords, authors and affiliations with email address.

All submitted papers will be reviewed by the TPC team and judged on originality, technical correctness, relevance and quality of presentation. An accepted paper must be presented at the conference. Each full registration covers up to two papers by an author. All accepted papers of ICNC (main program and workshops), after being presented onsite at the conference, will be included in the conference proceedings and submitted for inclusion in the IEEE Xplore Digital Library.

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