

# GOLDEN ACADEMY

## Message from the organizers

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Dear Colleagues and Friends,

2019 International Conference for Top and Emerging Computer Scientists (IC-TECS 2019) will be held in Taipei, Taiwan during Dec 20-23 2019.

IC-TECS 2019 intends to provide a platform for the exchange and networking between top scientists, emerging young researchers, and students across a wide spectrum of computer science and informatics.

We would like to invite you to participate in IC-TECS 2019. Your active participation is the key to the success of this conference.



Yours Sincerely,

IC-TECS 2019 Committee

Asia Pacific Society for Computing and Information Technology (APSCIT)

[www.apscit.org](http://www.apscit.org)

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## Conference organizing committee

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### CONFERENCE CHAIRS

Prof. Shigeo AKASHI (Tokyo University of Science)

Prof. Yuan-Hsiang CHANG (Chung Yuan Christian University)

Prof. Hidetoshi ANDO (University of Yamanashi)

Prof. Ching-Nung YANG (National Dong Hwa University)

Prof. Pao-Ann HSIUNG (National Chung Cheng University)

### CONFERENCE PROGRAM DIRECTORS

Dr. Yingxue SONG (APSCIT)

### CONFERENCE SECRETARIAT

Ms. Yangjun HU (APSCIT)

Ms. Yaru WU (APSCIT)

Mr. Ai CHUNG (APSCIT)

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## Conference topics

1. *Theory, Algorithms, Programming (7)*
2. *Database, Cloud Computing, Data Mining, Big Data (11, 19)*
3. *Communications, Networking, Security, and Internet of Things (3)*
4. *Multimedia, Image Processing and Recognition (Virtual Reality) (1, 2, 4, 5)*
5. *High Performance Computing and Intelligent Systems (AI, Robotics) (8, 12)*
6. *Software Engineering and Applications*
7. *Electronics (Analog/Digital Circuits, Signal Processing, System Architectures) (9, 18)*

	FRI, 12/20	SAT, 12/21	SUN, 12/22	MON, 12/23
9:00 – 10:20	Pre-session technical and discussion forums on international collaboration (by invitation only)	Oral Presentation		
10:20 – 10:30		Coffee & Tea Break		
10:30 – 12:10		Oral Presentation		
12:10 – 13:10		Lunch Break		Optional Excursion
13:10 – 14:50		Oral Presentation		
14:50 – 15:00		Coffee & Tea Break		
15:00 – 16:00			Oral Presentation	
15:50 – 16:30			Poster Session	
16:30 – 17:00			Conference Registration	
18:00 – 19:30	Conference Reception		Conference Banquet (Approx. 1.5 hrs)	

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## Presentation List

	FRI, 12/20	SAT, 12/21	SUN, 12/22	MON, 12/23
9:00 – 10:20	Pre-session technical and discussion forums on international collaboration (by invitation only)	Room 303 1. H. AOKI 2. H.L. GOH	Room 302 8. M.L. WONG 9. H. IRIE	Room 203 18. K. MORI 19. F. WATANABE
10:20 – 10:30		Coffee & Tea Break		
10:30 – 12:10		Room 303 3. Y.L. GUAN 4. M. OGAWA 5. H. ANDO	Room 302 10. S. AKASHI 11. P.L. LAI 12. H.Y. YEH	Room 203 20. Reserved 21. Reserved 22. Reserved
12:10 – 13:10		Lunch Break		Optional Excursion
13:10 – 14:50		Room 204 6. K.I. LEE 7. R. KOBAYASHI	Room 302 13. F. WANG 14. R. WU 15. Reserved	
14:50 – 15:00		Coffee & Tea Break		
15:00 – 16:00			Room 302 16. Reserved 17. Reserved	
16:00 – 16:30			Poster Session	
16:30 – 17:00	Conference Registration			
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## Presentations for IC-TECS 2019

### SATURDAY 12/21

1. Application of Pseudo Haptics Display System for Health Promotion (H. AOKI)
2. Understanding the User Experience of Human Computation Games (H.L GOH)
3. Vehicle-to-Everything Communication: An Enabler for Future Smart Mobility (Y.L. GUAN)
4. Making a Model of Bio-Signals for Detecting Cyber Sickness (M. OGAWA)
5. A VR/AR-based training system for grapes thinning with AI coaching (H. ANDO)
6. Model based optimization of thermal management materials (K.I. LEE)
7. Molecular dynamics simulation of laser ablation using electron-temperature dependent force-field (R. KOBAYASHI)

### SUNDAY 12/22

8. Probabilistic Grammar-Based Genetic Programming for Automatic Programming and Its Application in Neuroevolution (M.L. WONG)
9. Towards Ultra Flexible Computers: a Novel CPU Architecture and an Interconnect Technology (H. IRIE)
10. Identification of the Skills used for the E-mail Spoofing and Their Application to Good Use in Social Network (S. AKASHI)
11. Neural Implementations of Canonical Correlation Analysis (P.L. LAI)
12. Predicting the associations between Meridians and Chinese Traditional Medicine Using Cost-sensitive Graph Convolutional Neural Network (H.Y. YEH)

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13. TBA (F. WANG)

14. TBA (R. WU)

## **MONDAY 12/23**

18. Development of ankle weights incorporating sensor and the verification of effects on fall prevention ~ Youthful walking carries low risk of falling. What is the difference between youth and elderly walking? ~ (K. MORI)
19. How to turn the workplaces into a virtuous cycle with the power of brain science and discretion. (F. WATANABE)