

# GOLDEN ACADEMY

## Message from the organizers

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Dear Colleagues and Friends,

2018 International Symposium for Advanced Computing and Information Technology (ISACIT 2018) will be held in Sun Moon Lake, Taiwan during August 16-19 2018.

ISACIT 2018 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 ISACIT 2018. Your active participation is the key to the success of this conference.



Yours Sincerely,

ISACIT 2018 Committee

Asia Pacific Society for Computing and Information Technology (APSCIT)

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

# GOLDEN ACADEMY

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## Conference organizing committee

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### CONFERENCE CHAIRS

Prof. Shigeo AKASHI (Tokyo University of Science)

Prof. Koji OKUHARA (Toyama Prefectural University)

Prof. Eisuke HANADA (Saga University)

Prof. Masayuki NISHIGUCHI (Akita Prefectural University)

Prof. Cheng-Hong YANG (National Kaohsiung University of Science and Technology)

Prof. Bing Leung SUN (Ching Kuo Institute of Management and Health)

Prof. Wen-Tsai SUNG (National Chin-Yi University of Technology)

### CONFERENCE PROGRAM DIRECTORS

Dr. Yingxue SONG (APSCIT)

### CONFERENCE SECRETARIAT

Ms. Yangjun HU (APSCIT)

Ms. Yaru WU (APSCIT)

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## Conference topics

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1. *Theory, Algorithms, Programming: No.1 (7), Hall (14)*
2. *Database, Cloud Computing, Data Mining, Big Data: No.1 (16-18)*
3. *Communications, Networking, Security, and Internet of Things: No.1 (3-5, 25), Hall (15-18)*
4. *Multimedia, Image Processing and Recognition (Virtual Reality): No. 1 (6, 9-13)*
5. *High Performance Computing and Intelligent Systems (AI, Robotics): No. 1(1-2, 23-24)*
6. *Software Engineering and Applications: No.1 (19-20)*
7. *Electronics (Analog/Digital Circuits, Signal Processing, System Architectures): No.1 (8, 21-22)*

	THU, 08/16	FRI, 08/17	SAT, 08/18	SUN, 08/19
9:00 – 10:20	Pre-session technical and discussion forums on international collaboration	Oral Presentation		
10:20 – 10:30		Coffee & Tea Break		
10:30 – 12:00		Oral Presentation		
12:00 – 13:10		Lunch Break		Optional Excursion
13:10 – 14:40		Oral Presentation		
14:40 – 14:50		Coffee & Tea Break		
14:50 – 17:20		Oral Presentation		
17:30 – 18:45	Conference Registration		Poster Session	
19:00 – 20:30	Conference Reception		Conference Banquet	

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## Presentation List (Hall)

	THU, 08/16	FRI, 08/17	SAT, 08/18	SUN, 08/19
9:00 – 10:20	Pre-session technical and discussion forums		14. Y. TONG & S. AKASHI 15. E. HANADA	
10:20 – 10:30		Coffee & Tea Break		
10:30 – 12:00			16. S. UEDA 17. Y. NOHARA 18. K. ISHIDA	
12:00 – 13:10		Lunch Break		Conference Excursion
13:10 – 14:40				
14:40 – 14:50		Coffee & Tea Break		
14:50 – 17:20				
17:30 – 18:45	Conference Registration		Poster Session	
19:00 – 20:30	Reception		Conference Banquet (Approx. 1.5 hrs)	

# GOLDEN ACADEMY

## Presentation List (No. 1 Meeting Room)

	THU, 08/16	FRI, 08/17	SAT, 08/18	SUN, 08/19
9:00 – 10:20	Pre-session technical and discussion forums	1. J. OHKUBO 2. K.C. WONG		27. Reserved 28. Reserved
10:20 – 10:30		Coffee & Tea Break		
10:30 – 12:00		3. H. OKADA 4. J.Y. SHIEH 5. Y.M. CHEN	16. R. HARUNA 17. T. MATSUI 18. A.O.N. RENE	
12:00 – 13:10		Lunch Break		Conference Excursion
13:10 – 14:40		6. M. NISHIGUCHI 7. T. JO 8. Q.T. DUONG	19. K. SHIMAZU 20. T. OGINO 21. S.Y. KWON	
14:40 – 14:50		Coffee & Tea Break		
14:50 – 17:20		9. K. TANABE 10. L.P. CHAO 11. T. YAMAZAKI 12. B.S. LIN 13. S.W. SUN	22. H. KANAYA 23. M.F. HORNG 24. S.J. LIN 25. B. KIM 26. K. SHIMA	
17:30 – 18:45		Conference Registration		
19:00 – 20:30	Reception		Conference Banquet (Approx. 1.5 hrs)	

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## Presentations for ISACIT 2018

### FRIDAY 8/17

#### No. 1 Meeting Room

1. Computation based on Duality in Stochastic Processes and Its Application (J. OHKUBO)
2. Advanced Computing for Pattern Recognition in Genomics: DNA Motifs and Human Gene Editing (K.C. WONG)
3. An Academic Analysis of Blockchain Technology and Its Application to the Sharing Economy (H. OKADA)
4. Three-dimensional Waving Device by Gesture (J.Y. SHIEH)
5. Low-complexity GSSK/GSM Schemes Using Codebook-assisted MIMO Detectors (Y.M. CHEN)
6. Remixing of Sound Sources Separated from Stereo Tracks and Its Subjective Evaluation (M. NISHIGUCHI)
7. Types of Text Summarization and Text Encoding Schemes (T. JO)
8. MIMO-IPT for Flexible Wireless Charging (Q.T. DUONG)
9. Image Area Extraction based on Area Arrangement Rule (K. TANABE)
10. The Impact of 2D and 3D Image on Users' Recognition Memory (L.P. CHAO)
11. ICT Support for Elderly Physical and Cognitive Care (T. YAMAZAKI)
12. Retrieval and Learning for Personalized and Stylish Outfits of Clothes (B.S. LIN)
13. When Emerging Technology Meets Art (S.W. SUN)

# GOLDEN ACADEMY

## **SATURDAY 8/18**

### **Hall**

14. Classification of DHCP spoofing and Vulnerability of DHCP snooping (Y. TONG & S. AKASHI)
15. The Necessity of Interdisciplinary Collaboration for Effective Wireless Communication in Medical Settings (E. HANADA)
16. Envy based Fairness in Hedonic Games (S. UEDA)
17. Data Analysis for Improving Patients' Prognosis in Hospitals (Y. NOHARA)
18. Safety Use of Wireless Communication in Clinical Medicine -Problems of Electromagnetic Interference with Medical and Communication Devices- (K. ISHIDA)

### **No. 1 Meeting Room**

16. On Analysis Model of Observed Data about Selection of Decision Maker under Uncertainty and Ambiguity (R. HARUNA)
17. Interactive Fuzzy Multiobjective Programming for Operation Planning (T. MATSUI)
18. Studying the Service Industry under Multi-Agent Simulation Perspective (A.O.N. RENE)
19. Interdisciplinary approach for Utilizing QZSS to realize disaster mitigation (K. SHIMAZU)

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- 20. Host Cell Discrimination of Exosomes Using a Combination of Materials Characterization Tools and Computing Techniques (T. OGINO)
- 21. Characteristics of DSSC Using TiO<sub>2</sub> Paste for Low Temperature Annealing with TTIP (S.Y. KWON)
- 22. Development of Micro Energy Harvester using Wireless Signal (H. KANAYA)
- 23. Artificial Intelligence and Internet of Things (M.F. HORNG)
- 24. Introduction of Fast Principal Component Analysis Hardware Design Using Generalized Hebbian Algorithm (S.J. LIN)
- 25. What do We Do with EU GDPR in Asia? (Asia Privacy Bridge Perspective) (B. KIM)
- 26. TBA (K. SHIMA)

## **POSTER SESSION**

- P1. RSSI Prediction in the Narrow Space (C.B. LIU)
- P2. Finding Optimal Strategy for International Privacy Cooperation Using Graph Theory (K.Y. KIM)
- P3. Fire Fighting Experience Interactive Animation Story Design (N. KIM)

## **SUNDAY 8/19**

### **No. 1 Meeting Room**

- 27. Reserved
- 28. Reserved