

GOLDEN ACADEMY

Message from the organizers

Dear Colleagues and Friends,

2018 International Conference for Top and Emerging Computer Scientists (IC-TECS 2018) will be held in Taipei, Taiwan during Dec 21-24 2018.

IC-TECS 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 IC-TECS 2018. Your active participation is the key to the success of this conference.



Yours Sincerely,

IC-TECS 2018 Committee

Asia Pacific Society for Computing and Information Technology (APSCIT)

www.apscit.org

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Conference organizing committee

CONFERENCE CHAIRS

Prof. Shigeo AKASHI (Tokyo University of Science)

Prof. Wee Keong NG (Nanyang Technological University)

Prof. Chao-Tung YANG (Tunghai University)

Prof. Chang-Wei HSIEH (Asia University)

Prof. Zne-Jung LEE (Fuzhou University of International Studies and Trade)

CONFERENCE PROGRAM DIRECTORS

Dr. Yingxue SONG (APSCIT)

CONFERENCE SECRETARIAT

Ms. Yangjun HU (APSCIT)

Ms. Yaru WU (APSCIT)

Mr. Chenhuan HSU (APSCIT)

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Conference topics

1. *Theory, Algorithms, Programming (1, 6, 7, 12, 13)*
2. *Database, Cloud Computing, Data Mining, Big Data (18)*
3. *Communications, Networking, Security, and Internet of Things (14, 15, 16)*
4. *Multimedia, Image Processing and Recognition (Virtual Reality) (2, 19)*
5. *High Performance Computing and Intelligent Systems (AI, Robotics) (5, 7)*
6. *Software Engineering and Applications (17)*
7. *Electronics (Analog/Digital Circuits, Signal Processing, System Architectures) (3, 4, 5, 8)*

	FRI, 12/21	SAT, 12/22	SUN, 12/23	MON, 12/24
9:20 – 10:40	Pre-session technical and discussion forums	Oral Presentation		
10:40 – 10:50		Coffee & Tea Break		
10:50 – 12:20		Oral Presentation		
12:20 – 13:20		Lunch Break		Optional Excursion
13:20 – 14:50		Oral Presentation		
14:50 – 15:00		Coffee & Tea Break		
15:00 – 16:00		Oral Presentation		
16:00 – 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 (No. 302 Meeting Room)

	FRI, 12/21	SAT, 12/22	SUN, 12/23	MON, 12/24
9:20 – 10:40	Pre-session technical and discussion forums	1. T. KOSHIBA 2. Y.H. LI	12. S. AKASHI 13. W.K. NG	22. Reserved 23. Reserved
10:40 – 10:50		Coffee & Tea Break		
10:50 – 12:20		3. S.H. HUANG 4. S.Y. KWON 5. W.C. LAI	14. R.S. KO 15. F.C. CHENG 16. W.M. MA	24. Reserved 25. Reserved 26. Reserved
12:20 – 13:20		Lunch Break		Optional Excursion
13:20 – 14:50		6. J.M. CHANG 7. C.F.J. HUANG 8. H.C. CHI	17. M. OGAWA 18. J. WATADA 19. C.K. CHIANG	
14:50 – 15:00		Coffee & Tea Break		
15:00 – 16:00			20. J.S. JWO 21. Reserved	
16:00 – 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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Presentations for IC-TECS 2018

SATURDAY 12/22

1. Homomorphic Encryption and Its Applications (T. KOSHIBA)
2. A Portable Fundus Image Diagnosis System using Deep Learning (Y.H. LI)
3. 3D Core-Based SoC Testing Methodologies for Test Time Minimization (S.H. HUANG)
4. Using DSSCs as a Renewable Energy and its Efficiency (S.Y. KWON)
5. Key Design of Robots for AIoT Applications (W.C. LAI)
6. Incorporating alignment uncertainty into Felsenstein's phylogenetic bootstrap to improve its reliability (J.M. CHANG)
7. Algorithmic Composition for Background Music (C.F.J. HUANG)
8. Effective Algorithmic Wormhole Routing for On-Chip Networks with Various-Size IP Cores (H.C. CHI)

SUNDAY 12/23

12. Network theoretic classification of countermeasures protecting us from DHCP spoofing (S. AKASHI)
13. Security and Trust in Government Services (W.K. NG)
14. Analysing Sensor Network Deployment Problems with Classical Math (R.S. KO)
15. Automatic and Secure Wi-Fi Connection Mechanisms for IoT End-devices and Gateways (F.C. CHENG)

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16. New Style Practice Demonstration Courses of Information Security Forensics in Taiwan Universities (W.M. MA)
17. Physiological measurement in living spaces combining with digital games (M. OGAWA)
18. A Hybrid Optimization Approach to Big Data Mining and Analysis of Customer Relationship Management (J. WATADA)
19. Deep Learning Based Action Evaluation for Sensor Data (C.K. CHIANG)
20. TBA (J.S. JWO)

POSTER SESSION

- P1. Proposal on improving logistics efficiency using Industry4.0 components (D. HIGANO)
- P2. Proposal and evaluation of horizontal integrated IoT platform for edge computing (G. ITAGAKI)
- P3. Proposal of life rhythm recognition method using sensor related to early detection of dementia (K. TAKENAKA)
- P4. Algorithmic Composition for Background Music (C.F.J. HUANG)