

GOLDEN ACADEMY

Message from the organizers

Dear Colleagues and Friends,

2019 International Conference for Leading and Young Computer Scientists (IC-LYCS 2019) will be held in Okinawa, Japan during Feb 28 - Mar 03 2019.

IC-LYCS 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-LYCS 2019. Your active participation is the key to the success of this conference.



Yours Sincerely,

IC-LYCS 2019 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. Hung-Min SUN (National Tsing Hua University)

Prof. Chia-Sheng TSAI (Tatung University)

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 (17, 22)*
2. *Database, Cloud Computing, Data Mining, Big Data (20, 21)*
3. *Communications, Networking, Security, and Internet of Things (1, 2, 3, 10, 11)*
4. *Multimedia, Image Processing and Recognition (Virtual Reality) (6, 7)*
5. *High Performance Computing and Intelligent Systems (AI, Robotics) (12, 13, 14, 15, 16, 29)*
6. *Software Engineering and Applications (8, 9, 18)*
7. *Electronics (Analog/Digital Circuits, Signal Processing, System Architectures) (4, 5, 19, 23, 24)*

	THU, 02/28	FRI, 03/01	SAT, 03/02	SUN, 03/03
9:00 – 10:35	Pre-session technical and discussion forums on international collaboration	Oral Presentation		
10:35 – 10:50		Coffee & Tea Break		
10:50 – 12:30		Oral Presentation		
12:30 – 13:20		Lunch Break	Optional Excursion	
13:20 – 15:00		Oral Presentation		
15:00 – 15:15		Coffee & Tea Break		
15:15 – 16:30		Oral Presentation		
17:15 – 18:30	Conference Registration: 16:30-18:00 Welcome Reception: 17:30-18:30 Location: Conference Venue	Poster Session		
19:00 – 20:30		Conference Banquet		

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Presentation List (Conference Room 2)

	THU,02/28	FRI, 03/01	SAT, 03/02	SUN, 03/03
9:00 – 10:35	Pre-session technical and discussion forums on international collaboration	1. N. YAMANAKA 2. H.M. SUN 3. H. OCHI	15. A.H. TAN 16. T. GONSALVES 17. L.Z. CAI	
10:35 – 10:50		Coffee & Tea Break		
10:50 – 12:30		4. W.Y. CHUNG 5. T. IIZUKA 6. H. TAKAO 7. M. YAMAMOTO	18. K. OHBA 19. J.T. CAO 20. M.Y. LIN 21. P. VALDIVIA Y ALVARADO	
12:30 – 13:20		Lunch Break	Conference Excursion	
13:20 – 15:00		8. H. WASHIZAKI 9. H. AOKI 10. R.H. HWANG 11. Y. TONG		
15:00 – 15:15		Coffee & Tea Break		
15:15 – 16:30		12. K.C. WONG 13. S. ITO 14. J. CHOU		
17:15 – 18:30	Conference Registration: 16:30-18:00 Welcome Reception: 17:30-18:30 Location: Conference Venue	Poster Session		
19:00 – 20:30		Conference Banquet (Approx. 1.5 hrs)		

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Presentation List (Seminar Room 1)

	THU,02/28	FRI, 03/01	SAT, 03/02	SUN, 03/03
9:00 – 10:35	Pre-session technical and discussion forums on international collaboration			22. K. MIMURA 23. M. KIMURA 24. S.Y. KWON
10:35 – 10:50		Coffee & Tea Break		
10:50 – 12:30				25. J.M. YEH 26. S.C. JUN 27. Y.Y. CHEN 28. R. WU 29. X.S. KONG
12:30 – 13:20		Lunch Break	Conference Excursion	
13:20 – 15:00				
15:00 – 15:15		Coffee & Tea Break		
15:15 – 16:30				
17:15 – 18:30	Conference Registration: 16:30-18:00 Welcome Reception: 17:30-18:30 Location: Conference Venue	Poster Session		
19:00 – 20:30		Conference Banquet (Approx. 1.5 hrs)		

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Presentations for IC-LYCS 2019

FRIDAY 03/01

Conference Room 2

1. 5G Edge-computer network supported autonomous driving vehicle realizing self-organized route/position selection (N. YAMANAKA)
2. Conversation-based P2P botnets detection with machine learning (H.M. SUN)
3. Industry Wireless LAN System Compatible with Wired Industry Ethernet (H. OCHI)
4. Development of Smart Farming System for Quality Agriculture Applications (W.Y. CHUNG)
5. Time-Domain Approach for Analog Circuit Designs (T. IIZUKA)
6. High density tactile information obtained by integrated MEMS tactile sensor array and its processing to discriminate surface textures (H. TAKAO)
7. Video based Motion Capture and Computer Animation (M. YAMAMOTO)
8. TraceANY: Software Maintenance and Evolution Support by Extracting Links and Models (H. WASHIZAKI)
9. Application of Range Imaging for Measurement of Biological Signals (H. AOKI)
10. Optimal Resource Management of Live Video Streaming Service in Mobile Networks with Mobile Edge Computing (R.H. HWANG)
11. Local Countermeasures Detecting DHCP Spoofing from Outside (Y. TONG)

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- 12. Machine Learning for Bioinformatics: DNA Motifs, CRISPR Off-targets, and Single-cell RNA-seq Data (K.C. WONG)
- 13. An Electroencephalogram Analysis Method to Detect Answers of Questions Using Machine Learning Techniques (S. ITO)
- 14. Toward Intelligent Cloud Platform for Deep Learning (J. CHOU)

SATURDAY 03/02

Conference Room 2

- 15. Neural Network Models for Universal Learning and Memory Encoding (A.H. TAN)
- 16. Deep Learning techniques for training a self-driving vehicle (T. GONSALVES)
- 17. Indirect Certificates and New FPT Algorithms for Vertex Covers (L.Z. CAI)
- 18. How to design the Social System with Technologies (K. OHBA)
- 19. EEG entropy and energy analyses for consciousness evaluation (J.T. CAO)
- 20. Efficient Processing of Skyline Join-Queries, with or without Constraints (M.Y. LIN)
- 21. Design and Optimisation of Soft Robots (P. VALDIVIA Y ALVARADO)

SUNDAY 03/03

Seminar Room 1

- 22. Property of measurements in the noisy group testing scheme (K. MIMURA)
- 23. Brain-like Integrated System using Thin-Film Devices (M. KIMURA)

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24. Usages of electrical, e-waste, and renewable DSSCS energies (S.Y. KWON)
25. Biomimetic composite materials prepared from nanocasting technique applied for anticorrosion coatings upon metallic substrates (J.M. YEH)
26. Structural Design of electrode for Supercapattery Applications (S.C. JUN)
27. High thermoelectric performance of $(\text{Ge}_{1-x}\text{Bi}_x)\text{Te}$ crystals (Y.Y. CHEN)
28. Materials for thermal insulation and thermal management (R. WU)
29. The Study of Product Sell Model in Large Mart (X.S. KONG)