

SICBS 2019 Program

	Dec. 4 (Wed.)	Dec. 5 (Thur.)	Dec. 6 (Fri.)	
08:00 – 08:30		Registration	Registration	
08:30 – 09:00		Opening Main Conference Hall		
09:00 – 10:10		Keynote 1 Main Conference Hall	Keynote 2 Main Conference Hall	
		Prof. Koji Nakao (NICT, Japan)	Prof. Patrick S. Chen (Guest Professor, Germany)	
10:10 – 10:30		Coffee-Break	Coffee-Break	
10:30 – 12:10		Technical Session (2) 10:30 - 12:10 Session Room 1 Internet of Things and Big Data #15, #21, #29, #33, #34	Technical Session (5) 10:30 - 11:50 Session Room 1 Intrusion Detection, Privacy and Cryptography #10, #35, #37, #30	Technical Session (6) 10:30 - 12:10 Session Room 2 Intelligent Computing (II) #9, #17, #19, #22, #28
12:10 – 13:30		Lunch Break	Lunch Break	
13:30 – 15:00	Registration 13:30 - 14:30	Invited Speech Main Conference Hall	Goodbye	
		1. Highway Information System Co., Ltd./ COMOTEC TAIWAN INC.		
15:00 – 15:20	Technical Session (1) 14:40 - 16:20 Session Room 1	2. Cybersecurity Technology Institute ∙ CSTI		
15:20 – 17:20	Cryptography, Multimedia Security and Artificial Intelligence #8, #18, #32, #36, #38	Technical Session (3) 15:10 - 17:20 Main Conference Hall Multimedia Security #4, #5, #7, #11, #16, #26		
18:00 -20:30		Banquet		



2019 3rd International Conference
Security with Intelligent Computing
and Big-data Services



Dec. 4 14:40 - 16:20 (Session Room 1) TS1

Session Chair: Prof. Shih-Hao Chang (Tamkang University, Taiwan)

Cryptography, Multimedia Security and Artificial Intelligence	Paper No.	Title
	8	Hung-Jui Ko, Cheng-Ta Huang, Gwoboa Horng, Shih-Jeng WANG. Embedding Advanced Persistent Threat in Steganographic Images
	18	Aditya Indla, Aneesh Sharma and Chi-Yao Weng. AI-Based Farm Survey Technique for Efficient Fruit Harvesting
	32	Shih-Hao Chang and Ping-Tsai Chung. A Lightweight Authentication Stream Cypher Mechanism for Industrial Internet of Things
	36	Yu-Wei Huang, Chia-Hao Lee and Fu-Hau Hsu. The research of attacking TOR network users
	38	Jung-San Lee, Chit-Jie Chew, Ying-Chin Chen, Chih-Lung Chen and Kuo-Yu Tsai. Preserving Tenacious DDoS Vitality via Resurrection Social Hybrid Botnet



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Dec. 5 10:30 - 12:10 (Session Room 1) TS2

Session Chair: Prof. Chih-Hsueh Lin (National Kaohsiung University of Science and Technology, Taiwan)

	Paper No.	Title
Internet of Things and Big Data	15	Shing-Mei Lee. Impact of Big Data Analytics Capability and Strategic Alliances on Financial Performance
	21	Wen-Chung Kuo, Yi-Jiun Chen, Chun-Cheng Wang and Yu-Chih Huang. A Progressive Secret Image Sharing Scheme Based on GEMD Data Hiding
	29	Santosh Pattar, Ritika, Darshil Vala, Rajkumar Buyya, Venugopal K R, S S Iyengar and L M Patnaik. Device Discovery Techniques for Industrial Internet of Things through Predictive Analytic Mechanism
	33	Pin-Yu Lin, Yow-Shin Liou, Jian-Xing Li, Joon-Kui Liew, Po-Wen Chi and Ming-Hung Wang. SmileJob: A Lightweight Personalized Accompanying System for Home Security
	34	Chien-Ming Wang and Chih Hung Wang. Secure Authentication Key Agreement Protocol with eCK Model in Heterogeneous IoT Environment



Dec. 5 15:20 - 17:20 (Main Conference Hall) TS3

Session Chair: Prof. Chi-Yao Weng (National Pingtung University, Taiwan)

Multimedia Security	Paper No.	Title
	4	Bingwen Feng, Zhiquan Liu and Xiaotian Wu. Robust Syndrome-Trellis Codes for Fault-tolerant Steganography
	5	Candy Olivia Mawalim and Masashi Unoki. Audio Information Hiding based on Cochlear Delay Characteristics with Optimized Segment Selection
	7	Shengxian Wang, Li Li, Jianfeng Lu and Ching-Chun Chang. A Watermarking algorithm for 3D game model based on FCM clustering and density tag estimation of vertex set
	11	Cheng-Ta Huang, Chi-Yao Weng, Cheng-Hsing Yang and Cheng You Guo. A reversible information hiding scheme based on index encryption strategy in VQ-image
	16	Tzu-Chuen Lu and Thanh Nhan Vo. Introduction of Reversible Data Hiding Schemes
	26	Hsiu-Ching Chang, Ming-Yueh Wang, Ci-Jhan He, Jia-Pei Lin and Chi-Yueh Hsu. Study on the Factors Affecting Sharing Behavior of Social Media Platform Users



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Dec. 5 15:20 - 17:00 (Session Room 2) TS4

Session Chair: Prof. Chin-I Lee (Ling Tung University, Taiwan)

	Paper No.	Title
Intelligent Computing (I)	3	Mao-Lun Chiang, Chin-Feng Lee, Ting-You Lin and Somya Agrawal. A Survey of Bus Arrival Time Prediction Methods
	14	Hsing-Yu Hou, Somya Agrawal, Yu-Lung Lo and Chin-Feng Lee. Applying Talent Quality-management System (TTQS) and Information Visualization to e-learning Partner Project
	20	Chi-Yueh Hsu, Bo-Jun He and Jian-Fa Li. The Application of Traveling Gravity Model on International Tourism
	23	Dawngliani M S, Chandrasekaran N, Samuel Lalmuanawma and Thangkhanhau H. Prediction of Breast Cancer Recurrence Using Ensemble Machine Learning Classifiers
	41	Ming-Min Lo, Jian-Fa Li and Kuo-Ching Chiou. An Impact of Capital Gains Tax for Securities on Taiwan Stock Market by Overreaction, Lock-in Effect and Market Microstructures



Dec. 6 10:30 - 11:50 (Session Room 1) TS5

Session Chair: Dr. Chih-Ho Chou (National Center for Cyber Security Technology, Taiwan)

Intrusion Detection, Privacy and Cryptography	Paper No.	Title
	10	Hao Wang, Wenyan Liu and Jiangtao Wang. Achieve Web Search Privacy by Obfuscation
	35	Jen-Chieh Hsu, Hsiang-Chen Hsu and Raylin Tso. Cryptanalysis of Proxy Re-Encryption with Keyword Search Scheme in Cloud Computing
	37	Chun-I Fan, Hsin-Nan Kuo, Jheng-Jia Huang, Yi-Hui Li, Er-Shuo Zhuang and Yu-Tse Shih. An Effective Target Recovery Method from a Source Location in Geo-Indistinguishable Surroundings
	30	Kuo-Yu Tsai, Ching-Wei Lai, Chen-Hua Fu, Chi-Hung Wang and Yuh-Shyan Hwang. Practical Authentication Scheme Preserving Privacy Protection for the Internet of Things



Dec. 6 10:30 - 12:10 (Session Room 2) TS6
 Session Chair: Prof. Kuo-Yu Tsai (Fengchia University, Taiwan)

	Paper No.	Title
Intelligent Computing (II)	9	Chi-Jui Tsai and Kuo-An Wang. Analysis of the Influence of Strengthening Visual Message Oriented Design on Way-finding Problems
	17	Yih-Kai Lin and Ching-Yu Chang. Face forgery detection based on deep learning
	19	Shao-Shiun Chang, Hsing-Hui Chen and Kuo-An Wang. A Study of Text-overlaid Image Compositions Information System about Enterprise Documents, Logo and Slogan
	22	Chao-Lung Chou. Multimodal Presentation Attack Detection based on Mouth Motion and Speech Recognition
	28	Andrea E. Medina Paredes and Hung-Min Sun. Unsupervised Learning: Using Clustering Algorithms to Detect Peer to Peer Botnet Flows