



Program at a Glance

Date	November 12, 2018 (Monday)	November 13, 2018 (Tuesday)	November 14, 2018 (Wednesday)
	8:30 Registration	8:30 Registration	8:30 Registration
AM	9:00-9:20 Conference Opening	9:00-10:00 Keynote 2	9:00-10:00 Keynote 3
	9:20-10:20 Keynote 1		
	10:20-10:40 Coffee Break	10:00-10:20 Coffee Break	10:00-10:20 Coffee Break
	10:40-12:30 Parallel Sessions 3 Sessions (12 papers)	10:20-12:00 Parallel Sessions 3 Sessions (12 papers)	10:20-11:50 2 Sessions (6 papers)
			11:50-12:10 Conference Closing
Lunch	12:30-13:30 Lunch	12:00-13:00 Lunch	12:10-13:30 Lunch
PM	13:30-15:10 2 sessions (8 papers)	13:00-14:40 3 sessions (12 papers)	14:00~ Free Half day City Tour Ferry to Cijin Island Cijin Island Trip Cijin Light House & Kaohsiung City View Liu-He Night Market
	15:10-15:30 Coffee Break	14:40-15:00 Coffee Break	
	15:30-17:10 2 sessions (8 papers)	15:00-16:30 3 sessions (9 papers)	
		16:30-17:30 Panel Discussion	
Evening	18:00 Welcome Reception (Garden Villa)	18:30-21:30 Conference Banquet Award Presentation BESC 2019 Presentation	

Detail Program

Day one: 2018/11/12

2018/11/12 9:00--9:20

Conference Opening
Room 102

2018/11/12 9:20--10:20

Room 102 Keynote Session 1 Chair: Prof. Tzung-Pei Hong
Name: Prof. Yanchun Zhang, Victoria University, Australia Title: Smart Medicine: Medical big data mining & AI with innovation applications in patient monitoring, diagnosis, risk prediction and health management

2018/11/12 10:40-12:30

Room 101	Room 102	Room 103
Session 1: SCA-I Chair: Yidong Li	Session 2: DH Chair: Xujuan Zhou	Session 3: IMS-I Chair: Tzung-Pei Hong
<i>Research Performance Reporting is Fallacious</i> , by Adam Butler, Guandong Xu and Katarzyna Musial	<i>Collaborative Stacked Denoising Auto-Encoders for Refining Student Performance Data</i> , by Ye Fan, Yuan Sun, Shiwei Ye, Pan Liao, Guiping Su and Yi Sun	<i>Research on Automatic Semantic Complement of Chinese Elliptical “的(de)” Structure</i> , by Bingqing Shi, Rubing Dai, Bin Li, Junsheng Zhou, Yanhui Gu and Weiguang Qu
<i>A Novel Algorithm for Group Recommendation Based on Combination of Recessive Characteristics</i> , by Yi Liu, Xian Zhong, Lin Li, Jingling Yuan and Ruiqi Luo [short]	<i>Mining Heterogeneous Information Graph for Health Status Classification</i> , by Thuan Pham, Xiaohui Tao, Ji Zhang, Jianming Yong, Wenping Zhang and Yi Cai	<i>Latent Semantic Analysis Boosted Convolutional Neural Networks for Document Classification</i> , by Eren Gultepe, Mehran Kamkarhaghghi and Masoud Makrehchi
<i>Discrimination, Voice & Trust: An Experimental Approach</i> , by Awatif Al Habsi and Yara Al Kahala [short]	<i>Uncovering Determinants of Discontinuous Intention of Attention to Mobile LINE-P Messages</i> , by Hsin-Yi Chiu, Jia-Sing Lin and Chienhsing Wu [short]	<i>A Multi-Spot Explode Clustering Algorithm By Using Heuristic Search</i> , by Yu Zong, Xin Li and Guochen Li [short]
<i>A perspective of destination management on Web log data and the official website</i> , by Yi-Wei Hsieh, Ching Li, Yu-	<i>Development of Oral Function Improvement System Using Tablet Computer</i> , by Aiko Mieno,	<i>Optimizing the Taxonomy and Hierarchy of a Chinese Lexical Database – Cilin</i> , by

<i>Lan Yuan, Chung Yung and Hsiao-Chang Huang [Short]</i>	<i>Kazuo Hemmi, Takuya Nagamine, Naomi Yamasumi, Hitomi Sakamoto and Eriko Yoshida [short]</i>	<i>Tingxin Wei and Weiguang Qu [short]</i>
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2018/11/12 13:30-15:10

Room 101	Room 102	Room 103
Session 4: SCA-II Chair: Haoran Xie	TASN Day	Session 5: IMS-II Chair: Xiaohui Tao
<i>Dual Effects of Google Searching on Equity Returns, by Tzulun Huang and Shih-Ming Kuo</i>		<i>An Efficient Adaptive Graph Anonymization Framework For Incremental Data Publication, by Rong Yue, Yidong Li, Tao Wang and Yi Jin</i>
<i>Taxpayer Behavior Prediction in SMS Campaigns, by Guiming Cao, Alan Downes, Shuraia Khan, Wendy Wong and Guandong Xu</i>		<i>The combination of context information to enhance simple question answering, by Zhaohui Chao and Lin Li</i>
<i>Integrating Socio-Affective Information in Physical Perception aimed to Telepresence Robots, by Ambre Davat, Véronique Aubergé and Gang Feng</i>		<i>Ship Collision Avoidance Using Constrained Deep Reinforcement Learning, by Rui Zhang, Xiao Wang, Kezhong Liu, Xiaolie Wu, Jiongjiong Liu and Tianyou Lu [Short]</i>

2018/11/12 15:30-17:10

Room 101	Room 102	Room 103
Session 6: FDMAT Chair: Chun-Hao Chen	TASN Day	Session 7: UMPE-I Chair: Xiaohui Tao
<i>Flexible Anonymization of Transactions with Sensitive Items, by Yu-Chuan Tsai, Shyue-Liang Wang, I-Hsien Ting and Tzung-Pei Hong</i>		<i>Contact Graph based Anonymization for Geosocial Network Datasets, by Shushan An, Yidong Li, Tao Wang and Yi Jin</i>
<i>Stock pricing via Recurrent Neural Network with multi-step and first order difference approach, by Yu-Fei Lin, Wei-Ho Chung and Yeong-Luh Ueng</i>		<i>A Set of Quality Metrics for the Evaluation of Voice Termination Services, by Ka C. Chan, Xujuan Zhou, Raj Gururajan and Prabal Barua</i>

<i>A Framework of Option Buy-Side Strategy with Simple Index Futures Trading Based on Kelly Criterion, by Mu-En Wu and Pang-Jen Hung</i>		<i>A Study on Adopting Smart Payment System, by Masahiro Morita, Kazuaki Naruse, Shiro Uesugi and Hitoshi Okada [Short]</i>
<i>An Approach for Optimizing Group Stock Portfolio Using Multi-Objective Genetic Algorithm, by Chun-Hao Chen, Bing-Yang Chiang and Tzung-Pei Hong</i>		

Day two:

2018/11/13 9:00--10:00

Room 102 Keynote Session 2 Chair: Prof. Guandong Xu
Name: Prof. Irwin King, The Chinese University of Hong Kong, Hong Kong Title: Graph Embedding --- Recent Advances and Future Directions

2018/11/13 10:20-12:00

Room 101	Room 102	Room 103
Session 8: SCA-III Chair: Lin Li	Session 9: BESC Apps-I Chair: Yidong Li	Session 10: BESC Apps-II Chair: Takao Miura
<i>Semi-Supervised Soft K-means Clustering of Life Insurance Questionnaire Responses (Industry Track), by Rhys Biddle, Shaowu Liu and Guandong Xu</i>	<i>Discovering Latent Psychological Structures from Self-report Assessments of Hospital Workers, by Hsien-Te Kao, Homa Hosseinmardi, Shen Yan, Michelle Hasan, Shrikanth Narayanan, Kristina Lerman and Emilio Ferrara</i>	<i>Detection of Factors Influencing Market Liquidity Using an Agent-based Simulation, by Isao Yagi, Yuji Masuda and Takanobu Mizuta</i>
<i>Effect of culture on decision outcome: A Comparison between Dominican Republic and Taiwan, by Jose Joamir Espiritusanto de la Rosa, Katherine Andrea Cuartas Castro, I-Hsien Ting and Chienhsing Wu</i>	<i>Extractive Adversarial Networks for Network Embedding, by Runxuan Chen, Haoran Xie, Jiaying Chen, Yanghui Rao, Yingchao Zhao and Fu Lee Wang</i>	<i>Dynamics of social roles in the context of group evolution in the blogosphere, by Jaroslaw Kozlak, Anna Zygmunt, Bogdan Gliwa and Krzysztof Rudek</i>
<i>Detecting Relational States in Online Social Networks, by Ji</i>	<i>Exploring the Use of a Network Model in Drug</i>	<i>Based on the Internet Plus the Safety of Agricultural</i>

<i>Zhang, Xiaohui Tao, Leonard Tan and Thuan Pham</i>	<i>Prescription Support for Dental Clinics Wee Pheng Goh, Xiaohui Tao, Ji Zhang, Jianming Yong, Elizabeth Zhixin Goh and Aimin Hu</i>	<i>Products Traceability Research, by Xiong Zhou, Fang Zheng, Kc Chan, Xujuan Zhou, Raj Gururajan and Zhangguang Wu [Short]</i>
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2018/11/13 13:00-14:40

Room 101	Room 102	Room 103
Session 11: BEC Chair: Lingnan He	Session 12: SCA-IV Chair: Yanhui Gu	Session 13: IMS-III Chair: Shiro Uesugi
<i>Effect of Increasing Horizontal Shareholding with Index Funds on Competition and Market Prices -- Investigation by Agent-Based Model, by Takanobu Mizuta [Short]</i>	<i>Exploring propagation factors of social media moods for stock prices prediction, by Hongxun Jiang, Mengjun Zhu and Caihong Sun [Short]</i>	<i>Entropy-Based Model Selection Based on Principal Component Regression, by Masaki Satoh, Xiao Lin Wu and Takao Miura</i>
<i>Executive Incentive and R&D Investment —An Empirical Evidence from Chinese GEM Listed Companies, by Xu Ran Gao [Short]</i>	<i>Detecting Suspicious Social Astroturfing Groups in Tourism Social Networks, by Noora Alallaq, Muhmmad Al-Khiza' Ay and Xin Han [Short]</i>	<i>MOSC A Multi-Objective Subspace Clustering Algorithm, by Ping Jin, Yu Zong and Guochen Li [Short]</i>
<i>Investor Overconfidence and Stock Price Crash Risk, by Xin Yang, Jukai Hou and Xiajun Yi [Short]</i>	<i>Prediction of the persistence of relationships in social networks, considering previous reciprocity and duration, by Krzysztof Rudek and Jarosław Koźlak [Short]</i>	<i>An Ensemble-based Decision Tree Approach for Educational Data Mining, by Moloud Abdar, Mariam Zomorodi-Moghadam and Xujuan Zhou [Short]</i>
<i>Control over Incident Management Processes and Change Management Processes to mitigate Operations Risk in Cloud Architecture Infrastructure For Banking and Financial Services Industry, by Abhishek Mahalle, Jianming Yong and Xiaohui Tao [Short]</i>	<i>Korean Pop Culture Contents Consumption Behavior in Taiwan, by Sunmi Lee and Chienhsing Wu</i>	<i>A blockchain model for word-learning systems, by Jiemin Zhong, Haoran Xie, Di Zou and Dickson K.W. Chui [Short]</i>

2018/11/13 15:00-16:30

Room 101	Room 102	Room 103
Session 14: WNS Chair: Kazuo Hemmi	Session 15: CSCMC-I Chair: Yuan Sun	Session 16: UMPE-II Chair: Zhiang Wu

<i>Understanding Customer Experiences through Social Media Analysis of Three Giants of Soft Drink Industry, by Imran Ahmad</i>	<i>Attributed Network Embedding with Data Distribution Adaptation, by Jiaxing Chen, Yanghui Rao, Runxuan Chen, Zhongxuan Lin, Kaisheng Lai and Lingnan He</i>	<i>Micro-blog User Profiling: A Supervised Clustering based Approach for Age and Gender Classification, by Jing Qiu, Lin Li and Yunpei Zheng [Short]</i>
<i>A Comparative Analysis of Top 5 Fast Food Restaurants through Text Mining, by Tahir Ali and Imran Ahmad</i>	<i>Analysis of the Reasons for Unbalanced Distribution of Dockless Bike Sharing, by Jian Dong, Bin Chen, Fang Zhang, Liang Liu, Chuan Ai and Danhuai Guo</i>	<i>WiFi Fingerprint Based, Indoor, Location-Driven, Activities of Daily Living Recognition, by Bang Wu, Zixiang Ma, Stefan Poslad and Yidong Li [Short]</i>
<i>A Hierarchical latent Structure with Glow* for Dialogue Generation Qiaoyi Yin, Yeyang Zhou, Yixin Chen, Yanhui Gu and Baoliu Ye</i>	<i>The influence of economic development on prosocial tendency on social media base on big data analysis of 95 Chinese cities, by Zhongxuan Lin, Meiqi Sun, Shuqing Gao, Lingnan He and Kaisheng Lai</i>	<i>A Content Based Interest Mining Approach to Weibo Users, by Yun Liu [Short]</i>

2018/11/13 16:30--17:30

Room 102 Panel Discussion Chair: Prof. Guandong Xu
Theme: How Artificial Intelligence Promotes Social Behavioral and Economic Sciences

Day three:

2018/11/14 9:00--10:00

Keynote Session 3 Chair: A/Prof. I-Hsien Ting
Name: Prof. Shou-De Lin, National Taiwan University, Taiwan Title: The 3rd Wave of AI

2016/11/14 10:20-11:50

Room 101	Room 102	
Session 17: SC-BI&A Chair: Weiguang Qu	Session 18: CSCMC-II Chair: Shiro Uesugi	
<i>Rumor Detection in Business Reviews Using Supervised Machine Learning, by</i>	<i>Collective Attention in WeChat Public Platform, by Xling Xiong and Lingnan He</i>	

<i>Ammara Habib, Saima Akbar, Muhammad Zubair Asghar, Asad Masood, Rahman Rahman Ali Rahman Ali Ali and Ulfat Batool</i>		
<i>BERS: Bussiness-Related Emotion Recognition System in Urdu Language Using Machine Learning, by Iqra Sana, Khushboo Nasir, Amara Urooj, Zain Ishaq and Ibrahim A Hameed</i>	<i>Differential Item Functioning (DIF) analysis for large social survey data: a method detecting valuable information in big-data era, by Tian Lan and Tuo Liu</i>	
<i>User Intention Mining in Bussiness Reviews: A Review, by Anam Habib, Furqan Khan Saddozia, Anum Sattar, Aurangzeb Khan, Ibrahim A. Hameed and Fazal Masud Kundi</i>	<i>Materialistic vs. Meaningful Festival Celebration for Children on Sina Microblog, by Jing Zhou, Jianing Tang, Jue Zhou, Ziyue Zhu and Tian Xie</i>	

2018/11/14 11:50--12:10

Conference Closing