

Date	Time	Session A (7404-7405)		Session B (7403)		Session C (7402)			
7/30	10:50-11:50	<b>1A Chair: Shang-Pin Ma</b>		<b>1B Chair: Chun-Feng Liao</b>		<b>1C Chair: Wei-Tin Lee</b>			
		<b>ID</b>	<b>Title</b>	<b>ID</b>	<b>Title</b>	<b>ID</b>	<b>Title</b>	<b>Authors</b>	
		2	TPBP: A New Transaction Framework for Privacy and Benefit Preservation Based on Smart Contracts	Jia-You Lin, Yu-Hsiang Chang, Yao-Tung Tsou, Yung-Li Hu and Yennun Huang	4	A CWMP-compatible Multitenant Deployment Platform for Smart Appliances based on Blockchain	101	Agile Development and Software Quality	Chun-Feng Liao and Leng-Hui Wang
	50	Analyzing the Build-ability of Open Source Java Projects in GitHub	Jonathan Lee, Hong-Wun Chen and Hong-Yan Huang	79	Runtime Hook on Blockchain and Smart Contract Systems	101	Agile Development and Software Quality	Atsushi Nagata	
	51	Analysis of Web API Features and Retrieval of Client Code Examples for Web APIs	Shang-Pin Ma, Ming-Jen Hsu, I-Hsiu Liu and Hsiao-Jung Chen	30	Investigating a Deep Learning Approach for Automated Software Requirements Classification	30			Gregorius Airlangga and Alan Liu
	1:30-2:50	<b>2A Chair: Woei-Kae Chen</b>		<b>2B Chair: Nai-Wei Lin</b>		<b>2C Chair: Alan Liu</b>			
		<b>ID</b>	<b>Title</b>	<b>ID</b>	<b>Title</b>	<b>ID</b>	<b>Title</b>	<b>Authors</b>	
		12	GUI Component Detection for Cross-Platform Applications - Using Input Device and Image Change Synergistic Detection Method	Sheng-Chieh Huang, Shi-Zhe Lai and Yung-Pin Cheng	18	Personal Travel Recommendation System Based on Weather Forecast and Social Media Dataset	102	Evolution from Base Systems in Delta-Oriented Development to Core Assets in Product Line Engineering	Yoshikazu Hayashi
		54	On Detecting Abnormal Behavior of Android Applications	Woei-Kae Chen, Chien-Hung Liu and Zong-Zhe Li	37	Fault Localization based on DNN inferred Data Dependency	37		
	58	State Space Reduction for Generating GUI State Models of Android Applications	Chien-Hung Liu, Woei-Kae Chen and Shu-Hang Ho	71	A Multiagent System for Supporting Context-Awareness in a Smart Home	71	Pei-Chuan Zhou and Alan Liu		
	70	Automatic Deployment and Verification for Vulnerability Scanning Systems –A Case Study of OpenVAS and Nagios	Wen-Tin Lee	77	Constraint-Based Test Preamble Generation	77	Chao-Hsiang Chang and Nai-Wei Lin		
	3:00-4:20	<b>3A Chair: Chien-Hung Liu</b>		<b>3B Chair: Deron Liang</b>		<b>3C Chair: Chia-Hsu Kuo</b>			
<b>ID</b>		<b>Title</b>	<b>ID</b>	<b>Title</b>	<b>ID</b>	<b>Title</b>	<b>Authors</b>		
27		An Aspect-based Refactoring Method for Infusing the Concept of Design Patterns	Hsuan-Fu Yang and Kuo-Hsun Hsu	32	Aldea: a Matchmaking Platform for Academic-Industry Collaboration	103	Organizing test viewpoints for test design in web and mobile app developments	Tetsuya Kouno	
78		A Light Non-Server Based Mobile Rollcall System	Chia-Hsu Kuo, Yen-Lin Lee, Yu-Ting Lin and Shao-Yu Lu	47	Tourist area identification based on social network data	47			
16		Applying Program Pattern Models to Access the Understanding of Class Diagrams Concepts	Ching-Pao Chang and Yu-Fang Yeh	76	A Meta-optimization Framework for Feeder Assignment	76			
66	NICP: A NodeRed-based and IoT-enabled Chatbot Platform	Shuo-Hung Tai, Shang-Pin Ma, Jun-Ting Lin and Wan-Lin You	81	Building Graduate Salary Grading Prediction Model Based on Deep Learning	81				
7/31	<b>4A Chair: Yi-Chung Chen</b>		<b>4B Chair: Kuo-Hsun Hsu</b>						
	<b>ID</b>	<b>Title</b>	<b>ID</b>	<b>Title</b>	<b>ID</b>	<b>Title</b>	<b>Authors</b>		
	40	Video Watching Behavior Analysis in MOOC Course by Clustering Approach	Nien Lin Hsueh and Ju Guang Yeh	72	The impact of iterative assessment system on programming learning behavior: a statistical perspective	72	Yi-Xiang Yan and Hsi-Min Chen		
	67	Using the news in the social networks to predict the TAIEX stock price	Sheng-Min Chiu, Chung-Ying Hsieh and Yi-Chung Chen	3	Using Online Judge System in an e-Learning and Programming Education	3	Nien-Lin Hsueh and Chih-Jung Hsiao		
	15	Using Fuzzy Neural Network to Predict the Traveling Time on Road Network	Chin-Yu Ou, Yi-Chung Chen, Hsu-Hui Hong, Chien-Feng Chen and Heng-Yi Su	74	Analyzing student' programming learning behavior towards an automated assessment system: an educational data mining approach	74	Bao-An Nguyen, Hsi-Min Chen, Yi-Xiang Yan and Chyi-Ren Dow		
	10:40-11:40	<b>5A Chair: Chu-Ti Lin</b>		<b>5C Chair: Shin-Jie Lee</b>					
		<b>ID</b>	<b>Title</b>	<b>ID</b>	<b>Title</b>	<b>ID</b>	<b>Title</b>	<b>Authors</b>	
		11	Event-Driven Fog-Based Smart Cyber-Physical System Services	Yung-Li Hu, Ing-Yi Chen, Yao-Tung Tsou, Yennun Huang and Sy-Yen Kuo	90	SideeX Recorder 3: Record once, playback for all	90	Shin-Jie Lee, Yun-Wen Lin, Jie-Lin You, I Lin, Ming-Hung Hsu, I-Fan Wu, Fong-Yi Hunag, Ru-Kam Lee, De-Yang Hong, Ming-Hsuan Hsieh, Shao-Ming Lee, Xi-Jing Chang, and Kuan-Hsun Huang	
	73	Evaluating the Effectiveness of Adopting Black-box Approaches to Prioritize Regression Test Cases	Shu-Chi Tang, Ting-Wei Chang, Chu-Ti Lin and Chih-Yi Chiu	91	An Integrated System That Uses LBSN, Big Data Analysis, and Deep Learning in Smart Agriculture Regulation	91	Yu-Che Cheng, Tzu-Ping Lai, Yi-Ting Wang, Shao-Chen Liu, Yi-Chung Chen		
80	Building Children Emotion Prediction Model Based on Convolutional Neural Network	Jong-Yih Kuo, Wei-Cheng Lai and Hui-Chi Lin	92	A software framework for OpenEdu learning data analysis	92	Nien Lin Hsueh, Tzu-Ning Yeh			