

The 14th International Conference on Intelligent Software Methodologies, Tools and Techniques
Monumental Complex of St. Chiara, Naples, Italy
September 15-17, 2015

FINAL PROGRAM

Time	Room 1	Room2
Day 1: Sept. 15, 2015 (Tuesday)		
09.00	REGISTRATION	
09.30	MAIN ROOM: OPENING	
	ID	Title/Author
10.20-11.20	Session1 : Software Applications Systems for medical health care	
10.20-10.45	21	Robust Psychiatric Decision Support using Surrogate Numbers <i>Mats Danielson, Love Ekenberg, Kristina Sygel</i>
10.45-11.10	39	Supporting Active and Healthy Ageing by Exploiting a Telepresence Robot and Personalized Delivery of Information <i>Amedeo Cesta, Gabriella Cortellessa,</i>

		<i>Riccardo De Benedictis, Domenico M. Pisanelli</i>		
11.10-11.30	COFFEE BREAK			
11.30-13.10	Session 2: Embedded and mobile software systems, theory and application			
11.30-11.55	1	Towards Automated UI-Tests for Sensor-Based Mobile Applications <i>Tobias Griebe, Marc Hesenius, Volker Gruhn</i>		
11.55-12.20	4	Indoor Position Detection using BLE Signals based on Voronoi Diagram <i>Kensuke Onishi</i>		
12.20-12.45	6	Mobile Application Testing in Industrial Contexts: An Exploratory Multiple Case-Study <i>Samer Zein, Norsaremah Salleh, John Grundy</i>		
12.45-13.10	46	An Efficient Reconfiguration-based Approach for Improving Smart Grid Performance <i>Syrine Ben Meskina, Narjes Daggaz, Mohamed Khalgui</i>		
13.15-14.30	LUNCH			

14.30-16.20	Session 3: Social Networks and Big Data			
14.30-14.55	16	Hybridized Feature Set for Accurate Arabic Dark Web Pages Classification <i>Thabit Sabbah, Ali Selamat</i>		
14.55-15.20	24	Accelerating Keyword Search for Big RDF Web Data on Many-Core Systems <i>Chidchanok Choksuchat, Chantana Chantrapornchai, Michael Haidl, Sergei Gorlatch</i>		
15.20-15.45	55	Finding Target Users Interested in Regional Areas using Online Advertising and Social Network Services <i>Jun Sasaki, Shizune Takahashi, Li Shuang, Issei Komatsu, Keizo Yamada, Masanori Takagi</i>		
15.45-16.10		Semi-automatic detection of sentiment hashtags in Social Networks <i>Gajo Petrovic, Hamido Fujita</i>		
16.10-16.30	COFFEE BREAK			
16.30-	Session 4: Requirement engineering, high-assurance and testing system			
16.35-18.40	7	Architectural Specification and Analysis of the Aegis Combat System <i>Mert Ozkaya</i>		

16.35-17.00	28	Visualization of Checking Results for Graphical Validation Rules <i>Sören Witt, Sven Feja, Christian Hadler, Andreas Speck, Elke Pulvermüller</i>		
17.00-17.25	49	Processor Rescue: Safe Coding for Hardware Aliasing <i>Peter T. Breuer, Jonathan P. Bowen, Simon Pickin</i>		
17.25-17.50	50	Automatic Test Data Generation Targeting Hybrid Coverage Criteria <i>Ahmed El-Serafy, Cherif Salama, Ayman Wahba</i>		
17.50-18.15	51	Optimization of Generated Test Data for MC/DC <i>Ghada El-Sayed, Cherif Salama, Ayman Wahba</i>		
Day 2: Sept. 16, 2015 (Wednesday)				
09.00-11.05	Session 5: Artificial intelligence techniques and intelligent system design			
09.00-9.25	3	An Arbitrary Heuristic Room Matching Algorithm in Obtaining an Enhanced Initial Seed for the University Course Timetabling Problem <i>Teoh Chong Keat, Habibollah Haron,</i>		

		<i>Antoni Wibowo, Mohd. Salihin Ngadiman</i>		
09.25-9.50	31	Evaluating Extant Uranium: Linguistic Reasoning by Fuzzy Artificial Neural Networks <i>M. Reza Mashinchi, Ali Selamat, Suhaimi Ibrahim</i>		
09.50-10.15	34	A Method for Class Noise Detection Based on K-means and SVM Algorithms <i>Zahra Nematzadeh, Roliana Ibrahim, Ali Selamat</i>		
10.15-10-40	54	GDM-VieweR: A new tool in R to visualize the evolution of fuzzy consensus processes <i>Raquel Ureña, Francisco Javier Cabrerizo, Francisco Chiclana, Enrique Herrera-Viedma</i>		
10.40-11.05		A Framework for a Decision Tree Learning Algorithm with Rough Set Theory <i>Masaki Kurematsu, Jun Hakura, Hamido Fujita</i>		
11.05-11.20	COFFEE BREAK			
11.20-13.00	Session 6: Software Development and Integration			
11.20-11.45	17	Description and Implementation of Business Logic for End-User-Initiative Development <i>Takeshi Chusho, Jie Xu</i>		

11.45-12.10	19	Combining of Kanban and Scrum Means with Programmable Queues in Designing of Software Intensive Systems <i>Petr Sosnin</i>		
12.10-12.35	30	BizDevOps: Because DevOps is Not the End of the Story <i>Volker Gruhn, Clemens Schäfer</i>		
12.35-13.00	33	Modeling Tools for Social Coding <i>Mirai Watanabe, Yutaka Watanobe, Alexander Vazhenin</i>		
13.00-14.15	LUNCH			
14.15-15.55	Session 7: Production and Service Delivery supporting Intelligent Information Technologies - Part 1			
14.15-14.40	20	Efficient Supply Chain Management via federation-based integration of legacy ERP systems <i>Luigi Coppolino, Salvatore D'Antonio, Carmine Massei, Luigi Romano</i>		
14.40-15.05	8	Improving the Efficiency of a Hospital ED According to Lean Management Principles through System Dynamics and Discrete Event Simulation Combined with Quantitative Methods <i>Ilaria Bendato, Lucia Cassettari, Roberto Mosca, Fabio Rolando</i>		

15.05-15.30	44	A System Dynamics Model for Bed Management Strategy in Health Care Units <i>Giuseppe Converso, Sara Di Giacomo, Teresa Murino, Teresa Rea</i>		
15.30-15.55	62	Swarm Intelligence in Evacuation Problems: a Review <i>Guido Guizzi, Francesco Gargiulo, Liberatina C. Santillo, Hamido Fujita</i>		
16.00-16.15	COFFEE BREAK			
16.15-17.55	Session 8: Production and Service Delivery supporting Intelligent Information Technologies - Part 2			
16.15-16.40	40	A conceptual model of human behaviour in socio-technical Systems <i>Mosè Gallo, Mario Di Nardo, Marianna Madonna, Liberatina C. Santillo</i>		
16.40-17.05	18	A Prototype for Anomaly Detection in Video Surveillance Context <i>F.Persia, D.D'Auria, G.Sperlí, A.Tufano</i>		
17.05-17.30	45	A Simulation approach for Agile Production Logic Implementation in a Hospital Emergency Unit <i>Giuseppe Converso, Giovanni Improta, Manuela Mignano, Liberatina C. Santillo</i>		
17.30-17.55		Simulative Comparison between Ship and Airship for the Transport of Waste Natural Gas from Oil Wells		

		<i>Lorenzo Damiani, Roberto Revetria, Pietro Giribone, Guido Guizzi</i>		
Day 3: Sept. 17, 2015 (Thursday)				
09.00-10.00	MAIN ROOM – KEYNOTE1 Big Data: State of Art, how to use it and Future Concrete Implementations in Manufacturing Prof. Hamido Fujita			
10.00-11.00	MAIN ROOM – KEYNOTE2 Industrial Robotics in Europe: Status quo, on-going Challenges and Future Prospects Prof. Bruno Siciliano			
11.00-11.15	COFFEE BREAK			
11.15-13.20	Session 9: Security and software methodologies for reliable software design		Session 10: Real time systems	
11.15-11.40	13	A Change Impact Analysis Tool: Integration between Static and Dynamic Analysis Techniques <i>Sufyan Basri, Nazri Kama, Saiful Adli Ismail, Kamilia Kamardin, Norziha Megat Zainuddin, Azri Azmi, Wan Shafiuddin Zainuddin</i>	41	PEDASA: Priority, Energy and Deadline Aware Scheduling Algorithm <i>Maroua Gasmi, Olfa Mosbahi, Mohamed Khalgui, Luis Gomes</i>
11.40-12.05	22	On The Probabilistic Verification of Time Constrained SysML State Machines <i>Abdelhakim Baouya, Djamal Bennouar, Otmame Ait Mohamed, Samir Ouchani</i>	43	New Pack Oriented Solutions for Energy-Aware Feasible Adaptive Real-Time Systems <i>Aymen Gammoudi, Adel Benzina, Mohamed Khalgui, Daniel Chillet</i>

12.05-12.30	25	HMAC Authentication Mechanisms in a grid Computing environment Using Gridsim Toolkit <i>Saiful Adli Ismail, Md Asri Ngadi, Johan Mohd Sharif, Nazri Kama, Othman Mohd Yusop</i>	48	New Solutions for Useful Execution Models of Communicating Adaptive RA2DL <i>Farid Adaili, Olfa Mosbahi, Mohamed Khalgui, Samia Bouzebrane</i>
12.30-12.55	37	Hermes: A Targeted Fuzz Testing Framework <i>Caleb Shortt, Jens Weber</i>		
12.55-13.20	47	New Middleware for Secured Reconfigurable Real-Time Systems <i>Rim Idriss, Adlen Loukil, Mohamed Khalgui</i>		
13.20-14.35	LUNCH			
14.35-16.40	Session 11: New Software techniques in Image processing and Computer Graphics		Session 12: Cloud computing and the Semantic Web	
14.35-15.00	1	Real-Time Light Shaft Generation for Indoor Rendering <i>Hoshang Kolivand, Mohd Shahrizal Sunar, Ali Selamat</i>	29	Ontology-based Technology for Development of Intelligent Scientific Internet Resources <i>Yury Zagorulko, Galina Zagorulko</i>
15.00-15.25	5	Motif Correlogram for Texture Image Retrieval <i>Atoany Nazareth Fierro-Radilla, Gustavo</i>	52	A Science Mapping Analysis of the Literature on Software Product Lines <i>Ruben Heradio, Hector Perez-Morago,</i>

		<i>Calderon-Auza, Mariko Nakano-Miyatake, Héctor Manuel Pérez-Meana</i>		<i>David Fernandez-Amoros, Francisco Javier Cabrerizo, Enrique Herrera-Viedma</i>
15.25-15.50	15	Face Recognition Under Bad Illumination Conditions <i>Daniel Toledo de los Santos, Mariko Nakano-Miyatake, Karina Toscano-Medina, Gabriel Sanchez- Perez, Hector Perez-Meana</i>	56	Asymmetry Theory and Asymmetry Based Parsing <i>Anna Maria Di Sciullo</i>
15.50-16.15	23	A Facial Expression Recognition with Automatic Segmentation of Face Regions <i>Andres Hernandez-Matamoros, Andrea Bonarini, Enrique Escamilla-Hernandez, Mariko Nakano- Miyatake, Hector Perez-Meana</i>		Reuse of Rules in a Mapping-Based Integration Tool <i>Vladimir Dimitrieski, Milan Čeliković, Nemanja Igić, Heiko Kern, Fred Stefan</i>
16.15.16.40	58	Automatic Estimation of Illumination Features for Indoor Photorealistic Rendering in Augmented Reality <i>Hasan Alhajhamad, Mohd Shahrizal Sunar, Hoshang Kolivand</i>		
20.00	GALA DINNER			