

		11/06/2019
From	Due	Tuesday
17:30	21:00	Registration
19:00	21:00	Welcome Reception Convento di Sant'Agostino, the Contemporary Art Museum of Caserta, situated at via Mazzini, 16

		12/06/2019					
From	Due	Wednesday					
08:30	16:00	Registration					
09:00	09:30	Welcome Ceremony					
09:30	10:30	Keynote 1					
		Alexander H. Levis (George Mason University)					
		Modeling and Simulation of Organizational Architectures					
		Chair: TBA					
10:30	11:00	Coffee break					
11:00	12:30	Parallel Sessions (90 min 3 Papers)					
		A	SIMO	B	FES	C	DIS
		Chair: TBA		Chair: TBA		Chair: TBA	
		5	Thananya Wasusri, Issara Ruangngam	22	Oksana Shubat, Anna Bagirova	23	Puntipa Wanitjirattikal
			Aggregate planning using mixed integer programming: a fruit juice concentrated factory case study		Dynamics Modelling and the Study of Birth Rate Determinants in Russian Regions		Comparing the Equivalence Testing with Using Two One-Sided Test, Square Root of F Distribution and 2-df for Shift-Scale-Equivalence Testing
		26	Stefan Haag, Carlo Simon	44	Erzsébet Teréz Varga	49	Filip Kružel
			Simulation of horizontal and vertical integration in digital twins		Decreasing Progressive Tax Rates with Basic Income: the Golden Mean?		Vectorized Implementation Of The FEM Numerical Integration Algorithm On A Modern CPU
		38	Marco Trost, Robert Forstner , Thorsten Claus , Frank Herrmann , Ingo Frank, Hajo Terbrack	54	Ágnes Vaskóvi, Erzsébet Kovács	77	Grazyna Suchacka
			Sustainable Production Planning And Control: A Systematic Literature Review		LIVING LONGER. WORKING LONGER? - Life Expectancy and Retirement Age Trends in OECD Countries		Improving clustering of Web bot and human sessions by applying Principal Component Analysis
12:30	13:30	Lunch					
13:30	15:00	Parallel Sessions (90 min 3 Papers)					
		A	SIMO	B	FES	C	DIS
		Chair: TBA		Chair: TBA		Chair: TBA	
		6	Tuangyot Supeekit, Tuanjai Somboonwiwat	25	Anna Bagirova, Oksana Shubat	29	Francesco Leofante, Stefan Schupp, Erika Abraham, Armando Tacchella
			Strategic Procurement Process for Multiple Items in a Supply Chain		A study of regional differentiation of the fertility resources based on convergence models		Engineering Controllers for Swarm Robotics via Reachability Analysis in Hybrid Systems
		32	Chengdong Yuan, Gunasheela Sadashivaiah , Evgenii Rudnyi , Tamara Bechtold	48	Vidovics-Dancs Agnes, Janos Szaz, Andras Oliver Nemeth, Márta Fekete	50	Jacek Tchórzewski, Daniel Grzonka, Agnieszka Jakobik
			Efficient Design Optimization of a Thermolectric Generator by a Combination of Model Order Reduction and Thermal Submodeling Techniques		Simulating Bankruptcy – The Effects of Bailouts		Towards ANN-based Scalable Hashing Algorithm for Secure Task Processing in Computational Clouds
		39	Marco Trost, Thorsten Claus , Frank Herrmann	55	Vidovics-Dancs Agnes, Péter Juhász, Gábor Hajnal, Nora Felföldi-Szucs	79	Lelio Campanile, Marco Gribaudo, Mauro Iacono, Michele Mastrioianni
			Adapted Master Production Scheduling: Potential For Improving Human Working Conditions		How to improve your sovereign rating? – A case study on Hungary		Performance Modeling and Analysis of an Autonomic Router
15:00	15:30	Coffee break					
15:30	17:30	Parallel Sessions (120 min 4 Papers)					
		A	SIMO	B	FES	C	DIS + PSTAT
		Chair: TBA		Chair: TBA		Chair: TBA	
		7	Maximilian Selmaier , Alexander Swinarew , Klaus-Jürgen Meier , Yi Wang	14	Eszter Boros	9	Alexander H. Levis
			Solving non-quadratic Matrices in Assignment Problems with an improved Version of Vogel's Approximation Method		A Fair Solution or Pure Theory: Price Adjustment in the EMU		On Narrative Modeling and Assessment for Strategic Change
		8	Mike Steglich	30	Kata Varadi, Melinda Friesz, Kira Muratov-Szabó, Andrea Prebuk, Ferenc Illés	61	Gianpaolo Branca, Marco Gribaudo
			A hybrid heuristic based on self-organising maps and binary linear programming techniques for the capacitated p-median problem		Together forever or separated for life: Stress tests of central counterparties in case of merged and separated default funds		Reducing sickness and enhancing virtual reality simulation on mobile devices by tracking the body rotation
		13	Montra Wongmayura, Thananya Wasusri	51	Kádár Csaba	19	Rostislav Razumchik, Mikhail Konovalov
			Vessel Route Optimization for Offshore Marine Transport		Is the effect of current rules of international accounting and prudential tools make the bank reserving pro-cyclical? – Modelling of impairment under IFRS 9 and countercyclical capital buffer		Minimizing mean response time in non-observable distributed systems with processor sharing nodes
		47	Fang He, Thierry Chausselet , Rong Qu	56	Ildikó Gelányi, Janos Szaz, Péter Juhász	68	Yurii Orlov, Alexey Kisilitsyn
			Modelling the home health care nurse scheduling problem for the patients with long-term conditions in the UK		Delivery risk in a supply chain with a dominating member: modeling the effect of the inventory policy		Nonstationary stochastic motion modeling by dynamical systems
18:00	19:00	Transfer and visit to the Reggia					

		13/06/2019						
From	Due	Thursday						
08:30	12:30	Registration						
09:00	10:00	Keynote 2						
		Andrea Bobbio (Università degli Studi del Piemonte Orientale)						
		Modeling Dependencies In Complex System Dependability						
		Chair: TBA						
10:00	10:30	Coffee break						
10:30	12:30	Parallel Sessions (120 min 4 Papers)						
		A SIMO		B MCT		C PSTAT		D
		Chair: TBA		Chair: TBA		Chair: TBA		
		37	Benjamin Hoffmann, Michael Guckert , Neil Urquhart, Kevin Chalmers	10	Georgi Kostov, Vesela Shopska , Rositsa Denkova-Kostova , Bogdan Goranov	18	Alexander Grusho, Nick Grusho, Michael Zabezhailo, Elena Timonina	
			Simulating Dynamic Vehicle Routing Problems with Athos		Analytical approaches to determine the specific biomass growth rate in brewing		Protection of Valuable Information in Public Information Space	
		52	Pawel Piskur, Krzysztof Just , Mariusz Zokowski	28	Ekaterina Rostova, Nikolay Rostov, Vladislav Sobolevsky, Valerii Zakharov	66	Kirill Ageev, Eduard Sopin, Konstantin Samouylov	
			Dynamic simulation of the tubular linear actuator with permanent magnets		Design and Simulation of Biotechnical Multidimensional Motion Control Systems of a Robot Manipulator		Approximate Analysis Of The Limited Resources Queuing System With Signals	
		70	Pasquale Manco, Marcello Fera, Roberto Macchiaroli, Mario Caterino	65	Jakub Husár, Jiří Pecha, Lubomír Šánek, Karel Kolomazník	74	Dmitry Kulyabov, Anna Korolkova, Tatyana Velieva, Ivan Zaryadov	
			Simulation Techniques Prioritization for the Additive Manufacturing Integration in Traditional Production Contexts		Modelling and simulation of an triglyceride alcoholysis reaction		Essay on the study of the self-oscillating regime in the control system	
		75	Michał Przybylski	71	Walid Ibrahim, Hoda Amer			
			Mathematical model of biomimetic underwater vehicles		An Electronic Design Automation Tool for Efficiently Improving the Reliability of Nano-Circuits			
12:30	13:30	Lunch						
13:30	15:30	Parallel Sessions (120 min 4 Papers)						
		A MCT		B FDEM		C DSM + SIMO		Meeting room
		Chair: TBA		Chair: TBA		Chair: TBA		
		17	Vladimir Bobal, Marek Kubalcik, Petr Chalupa	35	Luigi Solazzi, Federico Ceresoli, Michele Cima	63	Giovanna Martinez-Arellano, Svetan Ratchev	
			Use of MATLAB/SIMULINK enviroment for identification of real system: Case study		Structural analysis on lightweight excavator arms		Towards an Active Learning Approach To Tool Condition Monitoring With Bayesian Deep Learning	
		43	Ana Pereira, Ana Crespo, Ana Fernandes, Inês Aranha, Margarida Figueiredo, Jorge Ribeiro, Humberto Chaves, José Neves, Henrique Vicente	72	Daria Wotzka	73	Marwan Hassani	
			Wine Quality Assessment under the Eindhoven Classification Method		Numerical model and simulation of streaming electrification in a modified Couette system		Concept Drift Detection of Event Streams Using an Adaptive Window	
		67	Lubos Spacek, Jiri Vojtesek	82	Gyula Szabó, Károly Váradi	76	Kanogkan Leerojanaprapa, Komn Bhundarak, Kittiwat Sirikasemsuk	Board Meeting of ECMS 14:00-15:00
			Implementation of 7 DoF robotic system for fast unstable processes		FE simulation of a cord-rubber composite tube subjected to bending due to operational loads on a railroad reverse curve with extremely low curve radius at sub-zero temperature		Industry Cluster Using Cluster Analysis to Support Industry Cluster Policy of Thailand	
		80	Linas Petkevičius, Romas Baronas	53	Márk Zsolt Vajda, Zsófia Oláh, Ákos Orosz	62	Walailak Atthirawong	
			Modeling and simulation of porous multi layer microbioreactors		Evaluating the stress field on sweep during tillage process applying coupled finite-discrete element method		Using Multi Criteria Decision-making (MCMD) for Green Supplier Selection	
15:30	16:00	Coffee break						
18:00	19:00	Transfer and visit to Anfitreato						
19:00	22:00	Conference dinner (Amico Bio Spartacus)						

		14/06/2019					
From	Due	Friday					
08:30	12:00	Registration					
09:00	09:45	Keynote 3					
		General Francesco Vestito (Università degli Studi del Piemonte Orientale)					
		TBA					
		Chair: TBA					
09:45	10:45	Parallel Sessions (60 min 2 Papers)					
		A FDEM		B IS		C	
		Chair: TBA		Chair: TBA		Chair: TBA	
		81	Tamas Mate, Peter T. Zwierczyk	40	Christoph Tholen, Lars Nolle, Tarek El-Mihoub, Jan Dierks, Alexandra Burger, Oliver Zielinski		
			Finite element analysis of crack propagation in railway wheels		Automated tuning of a cellular automata using parallel asynchronous particle swarm optimisation		
		83	Ákos Orosz, Kornél Tamás, János P. Rádics, Miklós Gálos	78	Anezka Kazikova, Zuzana Kominkova Oplatkova, Michal Pluhacek, Roman Senkerik		
			Studying the behaviour of crushed stone railway ballast subjected to periodic load		Border Strategies of the Bison Algorithm		
10:45	11:15	Coffee break					
11:15	12:45	Parallel Sessions (90 min 3 Papers)					
		A MCT		B IS		C IBTS	
		Chair: TBA		Chair: TBA		Chair: TBA	
		12	Marek Kubalcik, Tomas Barot	34	Icaro Fonseca , Henrique Gaspar	11	Thomas Lienert, Ludwig Stigler, Johannes Fottner
			Testing Hypotheses Used in Analysis of Control Quality		A Prime on web-based simulation		Failure-handling strategies for mobile robots in automated warehouses
		36	Tim Broenink, Jan Broenink	41	Tarek El-Mihoub, Christoph Tholen, Lars Nolle	24	Eduardo Santana, Gustavo Covas, Fabio Kon
			Rapid development of embedded control software using variable-detail modelling and model-to-code transformation		Informed Search Patterns for Alleviating the Impact of the Localisation Problem		Evaluating Exclusive Lanes for Autonomous Vehicle Platoons
		69	Jiri Vojtesek, Lubos Spacek	84	Lars Nolle, Jens Werner	64	Mario Caterino, Francesco Caputo, Alessandro De Luca, Marcello Fera, Alessandro Greco, Giuseppe Lamanna, Roberto Macchiaroli, Pasquale Manco, Mario Manzo, Donato Peretto
			Modeling, Simulation and PID Control of Water Tank Model Using Matlab and Simulink		Investigation into the Behaviour of an Asynchronous Population Based Hill Climbing Algorithm		Product and process integrated design to enhance smart manufacturing systems
12:30	13:00	Best Paper Award and Closing Ceremony					
12:30	13:30	Lunch					