SCHEDULE ECMS 2022

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	Author names written in orange: vi	deo/online presentation	
ime (CET)	TUESDAY May 31st	t - All Schedule in CET	
5:00-17:00	Registration	and Reception	
ime (CET)	DAY 1 WEDNESDAY (June 1st) - All Schedule in CET		
8:00-14:00	Registration Office Open		
8:30-09:00	Welcome & Opening Session		
9:00-10:00	Keynote 1: On the role of Modeling and Simulati	ion for Artificial Intelligence, Prof. Hussein Abbass	
0:00-10:30	Coffe	ee Break	
	Session 1.1: SIMO 1	Session 2: BPMI	
	Session chair: Frank Schaetter and Frank Morelli	Session chair: Romeo Bandinelli	
0:30-10:55	A Simple Algorithm Selector For Continuous Optimisation Problems	Optimization Of Internal Logistics Using A Combined BPMN And Simulation Approa	
	Tarek A. El-Mihoub, Christoph Tholen, Lars Nolle	Maximilian Wuennenberg, Benjamin Wegerich, Johannes Fottner	
0:55-11:20	20 Optimised Bumblebee Paths As Search Strategy For Autonomous Underwater Vehicle Simulating The Automation Of Sorting Crates – A Stepwise Approach		
	Christoph Tholen, Lars Nolle, Tarek A. El-Mihoub, Oliver Zielinski	Armand Misund, Henrique M. Gaspar	
1:20-11:45	Emission Reduction Through Production Scheduling By Priority Rules And Energy Onsite Generation	A Data-Driven Approach For Process Simulation Optimization: A Case Study	
	Hajo Terbrack, Thorsten Claus, Frank Herrmann	Romeo Bandinelli, Andrea Nunziatini, Virginia Fani, Bianca Bindi	
:45-12:10	Supply Chain Resilience Management Using Process Mining	Towards A Meta-Modeling Approach For An IoRT-Aware Business Process	
	Frank Schaetter, Frank Morelli, Florian Haas	Najla Fattouch, Imen Ben Lahmar, Khouloud Boukad	
2:10-13:10	-13:10 Lunch break		
	Session 1.2: SIMO 2	Session 3: CPS / FES 1 paper	
	Session chair: Carlo Simon	Session chair: Ümit Cali / FES track paper Kata Varadi	
3:10-13:35	Stratification Of Timed Petri Nets At The Example Of A Production Process Carlo Simon, Stefan Haag, Lara Zakfeld	Modelling AGV Operation Simulation With Lithium Batteries In Manufacturing Ozan Yesilyurt, Marius Kurrle, Andreas Schlereth, Miriam Jaeger, Alexander Sauer	
3:35-14:00	Microbial Growth Of Lactobacillus Delbrueckii Ssp. Bulgaricus B1 In A Complex Nuti	rie On The Use Of Graphical Digital Twins For Urban Planning Of Mobility Projects:	
	Medium (MRS-Broth) Georgi Kostov, Rositsa Denkova-Kostova, Vesela Shopska, Bogdan Goranov, Zapryano	A Case Study From A New District In Ålesund, Norway a L Pierre Major, Andreas Amundsen, Ricardo Da Silva Torres, Pernille Stadsnes, Egil Mik	
4:00-14:25	A Model For Predicting The Amount Of Photosynthetically Available Radiation From BGC-ARGO Float Observations In The Water Column	Digital Twins For Lighting Analysis: Literature Review, Challenges, And Research Opportunities	
	Frederic Stahl, Lars Nolle, Ahlem Jemai, Oliver Zielinski	Muhammad Umair Hassan, et al.	
:25-14:50		Str. Forecasting Models For First Year Premium Of Life Insurance - FES Track paper tall Somsri Banditvilai	
1:25-14:50	Taking Randomness For Granted: The Complexities Of Applying Random Number S		
	Taking Randomness For Granted: The Complexities Of Applying Random Number Son Simulation Modelling	Somsri Banditvilai	
4:50-15:15	Taking Randomness For Granted: The Complexities Of Applying Random Number S In Simulation Modelling Maximilian Selmair Calibration Model For Perceptual Compensation Of Defective Pixels Of Self-Emitting Olga A. Basova, Anton Grigoryev, Dmitry P. Nikolaev	Somsri Banditvilai	
4:25-14:50 4:50-15:15 5:15-15:30 5:30-20:00	Taking Randomness For Granted: The Complexities Of Applying Random Number S In Simulation Modelling Maximilian Selmair Calibration Model For Perceptual Compensation Of Defective Pixels Of Self-Emitting Olga A. Basova, Anton Grigoryev, Dmitry P. Nikolaev Coffe	ng Display	

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Time (CET)	DAY 2 THURSDAY (June 2	2nd) - All Schedule in CET	
08:00-14:00	Registration Office Open		
09:00-10:00	Keynote 2: Building An Open-Source Community For Subsurface Flow Simulation, Prof. Knut-Andreas Lie		
10:00-10:30	•		
	Session 1.3: SIMO 3	Session 4: PSTAT	
	Session chair: Hajo Terbrack	Session chair: Mauro Iacono	
10:30-10:55	Improve The Output Quality Of Adaptive Process Chains With AI And Optimiziation	Effect Of Impurities On Stability Of The Skyrmion Phase	
	Thomas Husslein, Christian Otto	In A Frustrated Heisenberg Antiferromagnet	
		Mariia Mohylna, Milan Zukovic	
10:55-11:20	How To Run A World Record? A Reinforcement Learning Approach	Massive Degeneracy And Anomalous Thermodynamics I	
	Sajad Shahsavari, Eero Immonen , Masoomeh Karami, Hashem Haghbayan, Juha Plosila	In A Highly Frustrated Ising Mode On Honeycomb Lattice Milan Zukovic	
11:20-11:45	Synergy Between Shuttles And Stacker Cranes In Dynamic Hybrid Pallet Warehouses: Some Ergodicity And Truncation Bounds		
	Control Strategies And Performance Evaluation	For A Small Scale Markovian Supercomputer Model	
	Giulia Siciliano, Yue Yu, Johannes Fottner	Rostislav Razumchik, Alexander Rumyantsev	
11:45-12:10	Elongated Boundaries Detector Parameters Optimisation		
	Based On Generation Of Synthetic Data From Aerial Imagery		
	Ekaterina Panfilova, Anton Grigoryev, Vladimir Burmistrov		
12:10-13:10	Lunch break		
	Session 5.1: DIS 1	Session 6.1: FES 1	
	Session chair: Mauro Iacono	Session chair: Kata Varadi	
		one talk already given Wednesday 14:25 - 14:50	
13:10-13:35	Causal Analysis Graph Modeling For Strategic Decisions	Reflections On Assumptions For A Simulation Model Of Dental Caries	
	Alexander H. Levis, Amy Sliva	Prevention Planning In A Primary School Maria Hajlasz, Bozena Mielczarek	
13:35-14:00	Epistemic Games With Conditional Believes For Modelling Security d	Comparison Of Separated Families' Standard Of Living In Germany:	
	Threats Defence In Clou Computing Systems Lukasz Gaza, Agnieszka Jakobik	Analyzing The Equalised Incomes In Simulated Families After Child Support And Child Benefit Paid Erzsebet Terez Varga	
14:00-14:25	Simulating The Programmable Networks For HLA Compatible High-Performance Simu European Quality Of Life In Retirement - Analyzing Personal Differences		
	Kayhan M. Imre	Based On SHARE Data	
		Sara Szanyi-Nagy, Erzsebet Kovacs, Agnes Vaskoevi	
14:25-14:50	Agent And Evolutionary-Based Modelling And Simulation	Rising Regional Importance Of	
14:25-14:50	Agent And Evolutionary-Based Modelling And Simulation Of A Simplified Living System	Rising Regional Importance Of The Renminbi In The Asia-Pacific Area: A Panel Analysis	
14:25-14:50			

	Session 7: FDEM	Session 6.2: FES2
	Session chair: Peter T. Zwierczyk	Session chair: Kata Varadi
15:10-15:35	FEM Study On The Strength Increasing Effect Of Nitrided Spur Gears	Implied Volatility Based Margin Calculation On Cryptocurrency Markets
	Jakab Molnar, Peter T. Zwierczyk, Attila Csoban	Balazs Kralik, Nora Felfoeldi-Szuecs, Kata Varadi
15:35-16:00	Development Of A 2D Discrete Element Software With LabVIEW t	Regional Models Of Corporate Sector Development In Russia:
	For Contact Model Improvemen And Educational Purposes Laszlo Pasthy, Joszef Graeff, Kornel Tamas	Where Does Family-Friendly Policy Matter Most? (A Study Based On Cluster Analysis) Anna Bagirova, Oksana Shubat
16:00-16:25	Application Of The Extended Finite Element Method In The Aim Of Examination Of Propagation In Railway Rails	Of Cr Identifying Regional Models Of Active Grandparenting In Russia Based On Cluster Analysis
	Daniel Bobis, Peter T. Zwierczyk, Tamas Mate	Oksana Shubat, Irina Shmarova
16:25:16:50	Application Of The Finite Element Method To Determine The Velocity Profile In An Open Channel Daria Wotzka	
16:50-17:00	Coffee Break	
17:00-18:30	Mobilization to dinner place	
18:30-21:00	Conference Dinner	

Time (CET)	DAY 3 FRIDAY (June 3rd) - All Schedule in CET		
09:00-10:00	Keynote 3: Modeling for using Deep learning, Prof. Manish Gupta		
10:00-10:30	:30 Coffee Break		
	Session 5.2: DIS 2	Session 8: SST	
	Session chair: Mauro Iacono	Session chair: <i>Di Wu</i>	
10:30-10:55	Formal Verification Of Neural Networks:	GENOR: A Generic Platform For Indicator Assessment In City Planning	
	A Case Study About Adaptive Cruise Control		
	Stefano Demarchi, Dario Guidotti, Andrea Pitto, Armando Tacchella	Leo Leplat, Ricardo da Silva Torres, Dina Aspen, Andreas Amundsen	
L0:55-11:20	Predicting Performance Of Heterogeneous AI Systems With Discrete-Event Simulation Heuristic Techniques For Reducing Energy Consumption Of Household		
	Vyacheslav Zhdanovskiy, Lev Teplyakov, Anton Grigoryev	Sarah M. Daragmeh, Anniken Th. Karlsen, Ibrahim A. Hameed	
11:20-11:45	Time Series Clustering With Different Distance Measures	Learned Parameterized Convolutional Approximation Of Image Filters	
	To Tell Web Bots And Humans Apart	Olga Chaganova, Anton Grigoryev	
	Grazyna Suchacka		
11:45-12:10	A DSL-Based Modeling Approach For Energy Harvesting IoT / WSN		
	Lelio Campanile, Mauro Iacono, Fiammetta Marulli, Marco Gribaudo, Michele Mastroianni		
12:15-12:30	Closing session		
12:30	Lunch break		