

SCHEDULE ECMS 2021

Time (GMT)	DAY 1 (May 31st) - all schedule in GMT	
7.30-8.00	Welcome	
8.00-9.00	Keynote: Digital Twins for Computer Haptic-Assisted Orthopaedic Surgery. <i>Webjørn Rekdalsbakken and Kjell-Inge Gjesdal</i>	
9.00-9.30	Break	
	<b>Session 1.1: Simulation and Optimization</b>	<b>Session 2: Modeling and Simulation for Performance Evaluation of Computer-based Systems</b>
	Session chair: Georgi Kostov	Session chair: Rostislav Razumchik
9.30-9.55	<b>Real-Time Digital Twin Of Research Vessel For Remote Monitoring</b> <i>Pierre Major, Guoyuan Li, Houxiang Zhang, Hans Petter Hildre</i>	<b>Modeling And Analyzing Cloud Auto-Scaling Mechanism Using Stochastic Well-Formed Coloured Nets</b> <i>Mohamed M. Ould Deye, Mamadou Thiongane, Mbaye Sene</i>
9.55-10.20	<b>Comparative Evaluation Of Lactobacillus Plantarum Strains Through Microbial Growth Kinetics</b> <i>Georgi Kostov, Rositsa Denkova-Kostova, Vesela Shopska, Bogdan Goranov, Zapryana Denkova</i>	<b>Telling Faults From Cyber-Attacks In A Multi-Modal Logistic System With Complex Network Analysis</b> <i>Dario Guidotti, Giuseppe Cicala, Tommaso Gili, Armando Tacchella</i>
10.20-10.45	<b>Using Semantic Technology To Model Persona For Adaptable Agents</b> <i>Johannes Nguyen, Thomas Farrenkopf, Michael Guckert, Simon T. Powers, Neil Urquhart</i>	<b>Metadata For Root Cause Analysis</b> <i>Alexander A. Grusho, Nick A. Grusho, Michael I. Zabezhailo, Elena E. Timonina, Vladimir V. Senchilo</i>
10.45-11.10	<b>Differential Evolution Algorithm In Models Of Technical Optimization</b> <i>Roman Knobloch, Jaroslav Mlynek</i>	<b>Minimizing Mean Response Time In Batch-Arrival Non-Observable Systems With Single-Server FIFO Queues Operating In Parallel</b> <i>Mikhail Kononov, Rostislav Razumchik</i>
11.10-12.10	Lunch break	
	<b>Session 1.2: Simulation and Optimization</b>	<b>Session 3: Open and Collaborative Models and Simulation Methods</b>
	Session chair: Marco Trost	Session chair: Henrique M. Gaspar
12.10-12.35	<b>A Robust And Adaptive Approach To Control Of A Continuous Stirred Tank Reactor With Jacket Cooling</b> <i>Roman Prokop, Radek Matusu, Jiri Vojtesek</i>	<b>Pedestrian Simulation In SUMO Through Externally Modelled Agents</b> <i>Daniel Garrido, Joao Jacob, Daniel Castro Silva, Rosaldo J. F. Rossetti</i>
13.00-13.25	<b>Robust Simulation Of Imaging Mass Spectrometry Data</b> <i>Anastasia Sarycheva, Anton Grigoryev, Evgeny N. Nikolaev, Yury Kostyukovich</i>	<b>MCX - An Open-Source Framework For Digital Twins</b> <i>Sajad Shahsavari, Eero Immonen, Mohammed Rabah, Mohammad-Hashem Haghbayan, Juha Plosila</i>
13.50-14.15	<b>Make-To-Order Production Planning With Seasonal Supply In Canned Pineapple Industry</b> <i>Kanapath Plangsriskul, Tuanjai Somboonwivat, Chareonchai Khompatraporn</i>	<b>Machine Learning Technology Overview In Terms Of Digital Marketing And Personalization</b> <i>Anna Nikolajeva, Artis Teilans</i>
14.15-14.45	Break	
	<b>Session 1.3: Simulation and Optimization</b>	<b>Session 4: Finite – Discrete - Element Simulation</b>
	Session chair: Tuanjai Somboonwivat	Session chair: Peter T. Zwierczyk
14.45-15.10	<b>Modelling Player Combat Behaviour For NPC Imitation And Combat Awareness Analysis</b> <i>Paul Williamson, Christopher Tubb</i>	<b>Investigating The Load-Bearing Capacity Of Additively Manufactured Lattice Structures</b> <i>Janos P. Radics, Levente Szeles</i>
15.10-15.35	<b>Employment Of Temporary Workers And Use Of Overtime To Achieve Volume Flexibility Using Master Production Scheduling: Monetary And Social Implications</b> <i>Marco Trost, Thorsten Claus, Frank Herrmann</i>	<b>FE Model Of A Cord-Rubber Railway Brake Tube Subjected To Extreme Operational Loads On A Reverse Curve Test Track</b> <i>Gyula Szabo, Karoly Varadi</i>
15.35-16.00	<b>Change Detection For Area Surveillance Using A Moving Camera</b> <i>Tatsuhisa Watanabe, Tomoharu Nakashima, Yoshifumi Kusunoki</i>	<b>Analysis Of Tip Relief Profiles For Involute Spur Gears</b> <i>Jakab Molnar, Attila Csoban, Peter T. Zwierczyk</i>
16.00-16.25	<b>Planning Of Sustainable Energy Systems For Residential Areas Using An Open Source Optimization Tool And Open Data Resources</b> <i>Heiko Driever, Ursel Thomssen, Marc Hanfeld</i>	<b>Implementation Of Bone Graft Adaptation's FE Model In HyperMesh</b> <i>Martin O. Doczi, Peter T. Zwierczyk, Robert Soedoy</i>
	DAY 2 (June 1st) - all schedule in GMT	
	<b>Session 5.1: Finance and Economics and Social Science</b>	<b>Session 6: Business Process Modelling and Simulation for Industrial Operations</b>
	Session chair: Kata Váradi	Session chair: Romeo Bandinelli
8.25-8.50		<b>Application Of Multiagent Simulation Modeling To Forecast Milk Receiving Process</b> <i>Evgeny A. Nazoykin</i>
8.50-9.15	<b>Demographic And Statistical Modelling Of Grandfatherhood In Russia</b> <i>Oksana Shubat, Mark Shubat</i>	<b>Designing And Optimizing Production In A High Variety / Low Volume Environment Through Data-Driven Simulation</b> <i>Virginia Fani, Bianca Bindi, Romeo Bandinelli</i>
9.15-9.40	<b>Models For Forecasting The Number Of Russian Grandparents</b> <i>Anna Bagirova, Oksana Shubat</i>	<b>Evaluation Of Algorithm Performance For Simulated Square And Non-Square Logistic Assignment Problems</b> <i>Maximilian Selmaier, Sascha Hamzehi, Klaus-Juergen Meier</i>
9.40-10.10	Break	
	<b>Session 1.4: Simulation and Optimization</b>	
	Session chair: Carlo Simon	
10.10-10.35	<b>Factor Modeling Of Russian Women's Perceptions of Combining Family And Career</b> <i>Natalia Blednova, Anna Bagirova</i>	<b>Capacity Loss Estimation For Li-Ion Batteries Based On A Semi-Empirical Model</b> <i>Mohammed Rabah, Eero Immonen, Sajad Shahsavari, Mohammad-Hashem Haghbayan, Kirill Murashko, Paula Immonen</i>
10.35-11.00	<b>Clearinghouses Versus Central Counterparties From Margin Calculation Point Of View</b> <i>Melinda Friesz, Kata Varadi</i>	<b>Research-Agenda For Process Simulation Dashboards</b> <i>Carlo Simon, Stefan Haag, Lara Zakfeld</i>
11.00-12.00	Lunch break	
	<b>Session 5.2: Finance and Economics and Social Science</b>	<b>Session 7: Machine Learning for Big Data</b>
	Session chair: Agnes Vidovics-Dancs	Session chair: Frederic Theodor Stahl
12.00-12.25	<b>Macroeconomic Input-Output Model For Transport Sector Analysis</b> <i>Velga Ozolina, Astra Auzina-Emsina</i>	<b>On The Effect Of Decomposition Granularity On DeTraC For COVID-19 Detection Using Chest X-Ray Images</b> <i>Nicole P. Mugova, Mohammed M. Abdelsamea, Mohamed M. Gaber</i>
12.25-12.50	<b>Establishing A Basis For Decision Support Modelling Of Future Zero Emissions Sea Based Tourism Mobility In The Geiranger Fjord Area</b> <i>Boerge Heggen Johansen</i>	<b>Towards Intrusion Detection Of Previously Unknown Network Attacks</b> <i>Saif Alzubi, Frederic T. Stahl, Mohamed M. Gaber</i>
12.50-13.15	<b>Modelling Economic Crises In Hua He Framework</b> <i>Nora Feldeidi-Szuecs, Peter Juhasz, Gabor Kuerthy, Janos Szaz, Agnes Vidovics-Dancs</i>	<b>Data Stream Harmonization For Heterogeneous Workflows</b> <i>Eleftherios Bandis, Nikolaos Polatidis, Maria Diapouli, Stelios Kapetanakis</i>
13.15-13.40	<b>Discrete Event Simulation Of The COVID-19 Sample Collection Point Operation</b> <i>Martina Kuncova, Katerina Svitkova, Alena Vackova, Milena Vankova</i>	<b>Predicting Next Touch Point In A Customer Journey: A Use Case In Telecommunication</b> <i>Marwan Hassani, Stefan Habets</i>
13.40-14.10	Break	
14.10-17.10	Tutorial prof. Trivedi: <i>Reliability and availability of hardware-software systems</i>	
17.10-17.40	Final Greetings	