Eurosim 2016 Proceedings

List of accepted papers

1	Esko Juuso. Recursive Data Analysis in Large Scale Complex Systems
2	Manzoor Ahmed Khan, Patrick Engelhard and Tobias Dörsch. SDNizing the Wireless LAN - A Practical Approach
4	Yukinori Suzuki. Perspectives on Industrial Optimization Based on Big Data Technology and Soft Computing through Image Coding
5	Shenglin Lin, Wei Li, Xiaochao Qian, Ping Ma and Ming Yang. A Simulation Model Validation and Calibration Platform
6	Yuchen Zhou, Ke Fang, Kaibin Zhao and Ping Ma. A Novel Credibility Quantification Method for Welch's Periodogram Analysis Result in Model Validation
7	Dongxing Qi, Ping Ma and Yuchen Zhou. Firing Accuracy Analysis of Electromagnetic Railgun Exterior Trajectory Based on Sobol's Method
8	Jesús Zambrano, Bengt Carlsson, Stefan Diehl and Emma Nehrenheim. A Simplified Model of an Activated Sludge Process with a Plug-Flow Reactor
9	Michal Gerža, František Schauer and Petr Dostál. Embedded Simulations in Real Remote Experiments for ISES e-Laboratory
10	Pekka Siirtola, Satu Tamminen, Eija Ferreira, Henna Tiensuu, Elina Prokkola and Juha Röning. Recognizing Steel Plate Side Edge Shape Automatically Using Classification and Regression Models
11	Glaucio Ramos and Paulo Pereira. Fuzzy Clustering Algorithm Applied to the Radio Frequency Signals Prediction
12	Antonio Vitale, Davide Bianco, Gianluca Corraro, Angelo Martone, Federico Corraro, Alfredo Giuliano and Adriano Arcadipane. Simulation Environment for Development of Unmanned Helicopter Automatic Take-off and Landing on Ship Deck
13	W.C. Leite Filho and Julia Guimaraes. Identification Scheme for the Nonlinear Model of an Electro-Hydraulic Actuator
14	Riku-Pekka Nikula and Konsta Karioja. The Effect of Steel Leveler Parameters on Vibration Features
15	Mert Mökükcü, Philippe Fiani, Sylvain Chavanne, Lahsen Ait Taleb, Cristina Vlad, Emmanuel Godoy and Clément Fauvel. A New Concept of Functional Energetic Modelling and Simulation
16	Aarne Pohjonen, Vesa Kyllönen and Joni Paananen. Analytical Approximations and Simulation Tools for Water Cooling of Hot Rolled Steel Strip
17	Hiroyuki Kano and Hiroyuki Fujioka. Spline Trajectory Planning for Path with Piecewise Linear Boundaries
18	Kristian Thorsen, Geir Risvoll, Daniel M. Tveit, Peter Ruoff and Tormod Drengstig. Tuning of Physiological Controller Motifs
19	Jesús Zambrano, Oscar Samuelsson and Bengt Carlsson. Monitoring a Secondary Settler Using Gaussian Mixture Models
20	Asanthi Jinasena, Bernt Lie and Bjørn Glemmestad. Dynamic Model of an Ammonia Synthesis Reactor Based on Open Information

21	Monica Patrascu, Vlad Constantinescu and Andreea Ion. Controlling Emergency Vehicles in Urban Traffic with Genetic Algorithms
22	Galia Weidl, Anders L. Madsen, Viacheslav Tereshchenko, Wei Zhang, Stevens Wang and Dietmar Kasper. Situation Awareness and Early Recognition of Traffic Maneuvers
23	W.K.Hiromi Ariyaratne, E.V.P. Jagath Manjula, Chandana Ratnayake and Morten C. Melaaen. CFD Approaches for Modeling Gas-Solids Multiphase Flows – A Review
24	Antonio J. Gallego, Luis J. Yebra, Eduardo F. Camacho and Adolfo J. Sánchez. Mathematical Modeling of the Parabolic Trough Collector Field of the TCP-100 Research Plant
25	Ashrf Aoad and Murat Simsek. Developing New Solutions for a Reconfigurable Microstrip Patch Antenna by Inverse Artificial Neural Networks
26	Luis J. Yebra, Sebastián Dormido, Luis E. Díez, Alberto R. Rocha, Lucía González, Eduardo Cerrajero and Silvia Padilla. Object-Oriented Dynamic Modelling of Gas Turbines for CSP Hybridisation
28	Xiaobing Shang, Ping Ma and Ming Yang. An Improved Kriging Model Based on Differential Evolution
29	Markku Ohenoja and Jani Tomperi. A Variogram-Based Tool for Variable Selection in a Wastewater Treatment Effluent Prediction
30	Zupančič Borut and Vintar Primož. OO Modelling and Control of a Laboratory Crane for the Purpose of Control Education
31	Christian Scheifele and Alexander Verl. Hardware-in-the-Loop Simulation for Machines Based on a Multi-Rate Approach
32	Moisés Villegas-Vallecillos and Luis J. Yebra. Mathematical Conditions in Heliostat Models for Deterministic Computation of Setpoints
33	Marcel Mueller, Abid Ali and Alfred Tareilus. Modelling and Simulation of a Paraglider Flight
34	Adam Viktorin, Roman Senkerik and Michal Pluhacek. Simulating the Effect of Adaptivity on Randomization
35	Bernt Lie, Sudeep Bajracharya, Alachew Mengist, Lena Buffoni, Arun Kumar, Martin Sjölund, Adeel Asghar, Adrian Pop and Peter Fritzson. API for Accessing OpenModelica Models From Python
36	Bikram Kawan and Saleh Alaliyat. 3D Virtual Fish Population World for Learning and Training Purposes
37	Juho Alatalo, Toni Liedes and Mika Pylvänäinen. Simulation Model of a Piston Type Hydro-Pneumatic Accumulator
38	Mika Pylvänäinen and Toni Liedes. Reliable Detection of a Variance Increase in a Critical Process Variable
39	Juliana Keiko Sagawa and Michael Freitag. A Simulation Model for the Closed-Loop Control of a Multi- Workstation Production System
40	Juhani Heilala, Paula Järvinen, Pekka Siltanen, Jari Montonen, Markku Hentula and Mikael Haag. Interactive Visual Analytics of Production Data - Predictive Manufacturing
41	Yoji Morita and Shigeyoshi Miyagawa. Efficiency of QEs in USA Through Estimation of Precautionary Money Demand

Laura Marcano and Tiina Komulainen. Constructive Assessment Method for Simulator Training
Linh Tao, Hieu Pham and Hiroshi Hasegawa. Self-adaptive of Differential Evolution Using Neural Network v Island Model of Genetic Algorithm
Ambrose Ugwu and Britt M.E Moldestad. Simulation of Horizontal and Vertical Waterflooding in a Homogeneous Reservoir Using ECLIPSE
Ambrose Ugwu and Britt M.E Moldestad. The Application of Inflow Control Device for an Improved Oil Recovery Using ECLIPSE
Roberto Ribeiro, Rodney Saldanha and Carlos Andrey Maia. Modeling and Portfolio Optimization of Stochas Discrete-Event System Through Markovian Approximation: An Open-Pit Mine Study
Marko Radanovic and Miquel Angel Piera Eroles. A Causal Model for Air Traffic Analysis Considering Induce Collision Scenarios
Henri Kumpulainen and Bernt Åkesson. Simulating the Effect of a Class of Sensor Fuzed Munitions for Artil on a Multiple Target Element System
Mark Schillinger, Benedikt Ortelt, Benjamin Hartmann, Jens Schreiter, Mona Meister, Duy Nguyen-Tuong a Oliver Nelles. Safe Active Learning of a High Pressure Fuel Supply System
Mikko Harju, Kai Virtanen and Jirka Poropudas. Simulation Metamodeling Using Dynamic Bayesian Networ with Multiple Time Scales
Thomas Øyvang, Bernt Lie and Gunne John Hegglid. Model Predictive Control for Field Excitation of Synchronous Generators
Teemu Sihvonen, Jouni Savolainen and Matti Tähtinen. Modelling and Simulation of PtG Plant Start-Ups ar Shutdowns
Xavier Llamas and Lars Eriksson. A Model of a Marine Two-Stroke Diesel Engine with EGR for Low Load Simulation
Kjell-Arne Solli, Rajan Kumar Thapa and Britt Margrethe Emilie Moldestad. Screening of Kinetic Rate Equal for Gasification Simulation Models
Daniel Rippel, Michael Lütjen and Michael Freitag. Domain-Specific Modelling of Micro Manufacturing Proce for the Design of Alternative Process Chains
Shobhana Singh, Kim Sørensen and Thomas Condra. Parametric CFD Analysis to Study the Influence of Fi Geometry on the Performance of a Fin and Tube Heat Exchanger
Leon Bobrowski and Paweł Zabielski. Flat patterns extraction with collinearity models
Antti Koistinen and Esko Juuso. Information from Centralized Database to Support Local Calculations in Condition Monitoring
Galina Antonova and Vadim Makarov. Simulation of Data Communication System Taking into Account Dyn Properties
K. Amila Chandra, W.K. Hiromi Ariyaratne and Morten C. Melaaen. Prediction of Dilute Phase Pneumatic Conveying Characteristics Using MP-PIC Method
Andrey Isakov and Yuri Senichenkov. Rand Model Designer's Numerical library

53	Yuri Kolesov and Yuri Senichenkov. Object-Oriented Modeling with Rand Model Designer
54	Mika Liukkonen, Ekaterina Nikolskaya, Jukka Selin and Yrjö Hiltunen. Water Content Analysis of Sludge Using NMR Relaxation Data and Independent Component Analysis
55	Vito Logar. Modelling and Simulation of the Electric Arc Furnace Processes
66	Petri Hietaharju and Mika Ruusunen. Peak Load Cutting in District Heating Network
57	Martin Sramka and Alzbeta Vlachynska. Artificial Neural Networks Application in Intraocular Lens Power Calculation
68	Erik Dahlquist, Syed Muhammad Raza Naqvi, Eva Thorin, Jinyue Yan, Konstantinos Kyprianidis and Philip Hartwell. Modeling of Wood Gasification in an Atmospheric CFB Plant
59	Erik Dahlquist, Syed Muhammad Raza Naqvi, Eva Thorin, Jinyue Yan, Konstantinos Kyprianidis and Philip Hartwell. Modeling of Black Liquor Gasification
0	Ales Sink and Gasper Music. Fuzzy Modelling of Air Preparation Stage in an Industrial Exhaust Air Treatment Process
1	Susantha Dissanayake, Roshan Sharma and Bernt Lie. Semi-Discrete Scheme for the Solution of Flow in River Tinnelva
2	Arash Abbasi and Britt M. E. Moldestad. Simulation of Light Oil Production from Heterogeneous Reservoirs
'3	Antoine Abche, Boutros Kass Hanna, Lena Younes, Nour Hijazi, Elie Inaty and Elie Karam. Transmission of Medical Images Over Multi-Core Optical Fiber Using CDMA: Effect of Spatial Signature Patterns
'4	Rajan Kumar Thapa and Britt Margrethe Halvorsen. Riser of Dual Fluidized Bed Gasification Reactor: Investigation of Combustion Reaction
5	Nora C. I. Furuvik and Britt M. E. Moldestad. Simulation of Oil Production in a Fractured Carbonate Reservoir
6	Gorazd Karer. Modelling of Target-Controlled Infusion of Propofol for Depth-of-Anaesthesia Simulation in Matlab-Simulink
7	Ramiro G. Ramirez Camacho, Edna R. Da Silva, Konstantinos G. Kyprianidis and Oliver Visconti. Cascade Optimization Using Controlled Random Search Algorithm and CFD Techniques for ORC Application
8	Ludmila Vesjolaja, Ambrose Ugwu, Arash Abbasi, Emmanuel Okoye and Britt M. E. Moldestad. Simulation of CO2 for Enhanced Oil Recovery
'9	Janitha C. Bandara, Rajan K. Thapa, Britt M. E. Moldestad and Marianne S. Eikeland. Simulation of Particle Segregation in Fluidized Beds
80	Tamás Kökényesi and István Varjasi. Validation Method for Hardware-in-the-Loop Simulation Models
33	Khim Chhantyal, Minh Hoang, Håkon Viumdal and Saba Mylvaganam. Flow Rate Estimation using Dynamic Artificial Neural Networks with Ultrasonic Level Measurements
4	Khim Chhantyal, Minh Hoang, Håkon Viumdal and Saba Mylvaganam. Dynamic Artificial Neural Network (DANN) MATLAB Toolbox for Time Series Analysis and Prediction

85	Prasanna Welahettige and Knut Vågsæther. Comparison of OpenFOAM and ANSYS Fluent
86	Cornelius Agu, Marianne Eikeland, Lars Tokheim and Britt Moldestad. Simulation of Bubbling Fluidized Bed Using a One-Dimensional Model Based on the Euler-Euler Method
87	Emmanuel Okoye and Britt M. E. Moldestad. Simulation of heavy oil production using Inflow Control Devices
88	Boris Sokolov, Dmitri Ivanov, Ekaterina Rostova, Karim Benyamna and Mikhail Ignatjev. Methodology and Information Technology of Cyber-Physical-Socio Systems Integrated Modelling and Simulation
89	Jennie Lioris, Pravin Varaiya and Alexander Kurzhanskiy. Performance Evaluation of Alternative Traffic Signal Control Schemes for an Arterial Network by DES Approach-Overview
90	Katsumi Moriwaki. A Harvest Vehicle with Pneumatic Servo System for Gathering a Harvest and its Simulation Study
91	Anders Andersson and Lena Buffoni. Powertrain Model Assessment for Different Driving Tasks through Requirement Verification
92	Nathan Zimmerman, Konstantinos Kyprianidis and Carl-Fredrik Lindberg. Agglomeration Detection in Circulating Fluidized Bed Boilers Using Refuse Derived Fuels
94	Ole Magnus Brastein and Roshan Sharma. Simulation of Control Structures for Slug Flow in Riser During Oil Production
95	Lars Øi and Birendra Rai. Simulation of Glycol Processes for CO2 Dehydration
96	Cemil Sahin and Lars Øi. Cost Optimization of Absorption Capture Process
97	Knut Vaagsaether. Simulation of Flame Acceleration and DDT
97	Knut Vaagsaether. Simulation of Flame Acceleration and DDT
97 98	Knut Vaagsaether. Simulation of Flame Acceleration and DDT Shun Hattori. Interpolating Lost Spatio-Temporal Data by Web Sensors Sindre Tosse, Per Morten Hansen and Knut Vaagsaether. Modelling and Simulation of Phase Transition in
97 98 99	Knut Vaagsaether. Simulation of Flame Acceleration and DDT Shun Hattori. Interpolating Lost Spatio-Temporal Data by Web Sensors Sindre Tosse, Per Morten Hansen and Knut Vaagsaether. Modelling and Simulation of Phase Transition in Compressed Liquefied CO2
97 98 99 100	Knut Vaagsaether. Simulation of Flame Acceleration and DDT Shun Hattori. Interpolating Lost Spatio-Temporal Data by Web Sensors Sindre Tosse, Per Morten Hansen and Knut Vaagsaether. Modelling and Simulation of Phase Transition in Compressed Liquefied CO2 Kristoffer Ekberg and Lars Eriksson. The Effect of Pressure Losses on Measured Compressor Efficiency Sumudu Karunarathne, Lars-Andre Tokheim and Chameera Jayarathna. Mixing and Segregation of Two
97 98 99 100 101	Knut Vaagsaether. Simulation of Flame Acceleration and DDT Shun Hattori. Interpolating Lost Spatio-Temporal Data by Web Sensors Sindre Tosse, Per Morten Hansen and Knut Vaagsaether. Modelling and Simulation of Phase Transition in Compressed Liquefied CO2 Kristoffer Ekberg and Lars Eriksson. The Effect of Pressure Losses on Measured Compressor Efficiency Sumudu Karunarathne, Lars-Andre Tokheim and Chameera Jayarathna. Mixing and Segregation of Two Particulate Solids in the Transverse Plane of a Rotary Kiln Sumudu Karunarathne, Lars-Andre Tokheim and Chameera Jayarathna. Impact of Particle Diameter, Particle Density and
97 98 99 100 101 102	Knut Vaagsaether. Simulation of Flame Acceleration and DDT Shun Hattori. Interpolating Lost Spatio-Temporal Data by Web Sensors Sindre Tosse, Per Morten Hansen and Knut Vaagsaether. Modelling and Simulation of Phase Transition in Compressed Liquefied CO2 Kristoffer Ekberg and Lars Eriksson. The Effect of Pressure Losses on Measured Compressor Efficiency Sumudu Karunarathne, Lars-Andre Tokheim and Chameera Jayarathna. Mixing and Segregation of Two Particulate Solids in the Transverse Plane of a Rotary Kiln Sumudu Karunarathne, Lars-Andre Tokheim and Chameera Jayarathna. Impact of Particle Diameter, Particle Density and Degree of Filling on the Flow Behavior of Solid Particle Mixtures in a Rotating Drum Tomi Thomasson and Matti Tähtinen. Initial Results of Adiabatic Compressed Air Energy Storage (CAES)

106	Petri Heinonen and Esko K. Juuso. Development of a Genetic Algorithms Optimization Algorithm for a Nutritional Guidance Application
107	Aicha Ferjani, Henri Pierreval, Denis Gien and Sabeur Elkosantini. Taking Into Account Workers' Fatigue in Production Tasks: a Combined Simulation Framework
108	Lev Utkin, Vladimir Zaborovsky and Sergey Popov. Adaptive Robust SVM-Based Classification Algorithms for Multi-Robot Systems Using Sets of Weights
109	Paolo Scala, Miguel Mujica and Daniel Delahaye. Implementation of an Optimization and Simulation-Based Approach for Detecting and Resolving Conflicts at Airports
110	Mauno Rönkkö, Okko Kauhanen, Jari Koskiaho, Niina Kotamäki, Teemu Näykki, Markku Ohenoja, Esko Juuso, Maija Ojanen, Petri Koponen and Ville Kotovirta. Monitoring Suspended Solids and Total Phosphorus in Finnish Rivers
111	Jae Sung Bang, Tae Soo Kim, Suk Hwan Choi, Raphael Rhote-Vaney and Harikrishnan Rajendran Pillai. Development of a Hardware In the Loop Setup with High Fidelity Vehicle Model for Multi Attribute Analysis
112	Souad Rabah, Rodrigo O. Brochado, Hervé Coppier and M. Chadli. Industrial Model Validation of a WWT Bubbling Fluidized Bed Incinerator
113	Eric Halbach, Aarne Halme and Ville Kyrki. Investigation of Robotic Material Loading Strategies Using an Earthmoving Simulator
114	Mio Suzuki. Application of Musical Expression Generation System to Learning Support of Musical Representation
115	Anton Novikov, Mikhail Rybkov, Yury Shornikov and Lyudmila Knaub. Solving Stiff Systems of ODEs by Explicit Methods with Conformed Stability Domains
116	Eugeny Novikov, Mikhail Rybkov and Anton Novikov. Numerical Algorithm for Design of Stability Polynomials for the First Order Methods
117	Emilia Cioroaica and Thomas Kuhn. Simulator Coupling for Network Fault Injection Testing
118	Ahmed Al Ameri and Nichita Cristian. Performance of Electrical Power Network with Variable Load Simulation
119	Alessandro Vizzarri and Fabrizio Davide. Simulation of HTTP-based Services Over LTE for QoE Estimation
120	Alessandro Vizzarri and Fabrizio Davide. Simulation of VoLTE Services for QoE Estimation
121	Javier Ferreiro-Cabello, Esteban Fraile-Garcia, Eduardo Martínez de Pisón-Ascacíbar and Emilio Jimenez- Macias. Evaluation of Structural Costs in Building - Simulation of the Impact of the Height and Column Arrangement
122	Juan Ignacio Latorre-Biel, Emilio Jimenez-Macias, Julio Blanco and Mercedes Perez. Size rate of an alternatives aggregation Petri net developed under a modular approach
123	Juan Ignacio Latorre-Biel, Emilio Jimenez-Macias, Juan Carlos Saenz-Diez and Eduardo Martinez- Camara. Transformation of Petri net models by matrix operations
124	Naohiko Hanajima, Taiki Kaneko, Hidekazu Kajiwara and Yoshinori Fujihira. Static Stability of Double-Spiral Mobile Robot Over Rough Terrain
125	Hiroyuki Sato, Minami Miyakawa and Keiki Takadama. Effects of Chain-Reaction Initial Solution Arrangement in Decomposition-Based MOEAs

126	Pavels Narica, Artis Teilans, Lyubomir Lazov, Pavels Cacivkins and Edmunds Teirumnieks. Mathematical Model of the Distribution of Laser Pulse Energy
127	Pavels Narica, Artis Teilans, Lyubomir Lazov, Edmunds Teirumnieks and Pavels Cacivkins. Mathematical Model of Forecasting Laser Marking Experiment Results
128	Lianyi Zhang, Duzheng Qing, Lixin Yu, Mo Xia, Han Zhang and Zhiping Li. Formal Verification of Multifunction Vehicle Bus
129	Olli Kilkki and Kai Zenger. On Demand Response Modeling and Optimization of Power in a Smart Grid
130	Barbara Mayer, Michaela Killian and Martin Kozek. Modular Model Predictive Control Concept for Building Energy Supply Systems: Simulation Results for a Large Office Building
131	Hazem Al-Bermanei, Jari Böling and Göran Högnas. Modeling and Simulation of Train Networks Using Max-Plus Algebra
132	Patricio Guerrero, Laurent Dumas, Mai K. Nguyen and Serge Cohen. Modelling of a New Compton Imaging Modality for an In-Depth Characterisation of Flat Heritage Objects
133	Tomas Björkqvist, Olli Suominen, Matti Vilkko and Mikko Korpi. From Iterative Balance Models to Directly Calculating Explicit Models for Real-time Process Optimization and Scheduling
134	Shinya Watanabe, Tetsuya Sato and Kazutoshi Sakakibara. New Approach Based on Simplification and Partially fixing of Problem to Solve Large Scale Vehicle Routing Problem
135	Robert Lis. Voltage Stability Assessment of the Polish Power Transmission System
136	Tuomas Messo, Jussi Sihvo, Tomi Roinila, Tommi Reinikka and Roni Luhtala. Hardware-in-the-loop emulation of three-phase grid impedance for characterizing impedance-based instability
138	Ahmed Eleliemy, Mahmoud Fayze, Rashid Mehmood, Iyad Katib and Naif Aljohani. Loadbalancing on Parallel Heterogeneous Architectures: Spin-image Algorithm on CPU and MIC
139	Vaheed Nezhadali and Lars Eriksson. Analysis of Optimal Diesel-electric Powertrain Transients During a Tip-in Maneuver
140	Niklas Paganus, Marko Luukkainen, Karri Honkoila and Tommi Karhela. Automatic Generation of Dynamic Simulation Models Based on Standard Engineering Data
141	Michal Pluhacek, Roman Senkerik, Adam Viktorin and Ivan Zelinka. Single Swarm and Simple Multi-Swarm PSO Comparison
142	Hayder Al-Hakeem, Suvi Karhu and Jarmo Alander. Verifying an Implementation of Genetic Algorithm on FPGA SoC Using SystemVerilog
143	Timo Yli-Fossi. Functionality Testing of Water Pressure and Flow Calculation
145	Filip Fedorik, Raimo Hännilä and Antti Haapala. Study of Different Climate and Boundary Conditions on Hygro- Thermal Properties of Timber-Framed Envelope
146	Juha Kuronen. Modelling and Dynamic Simulation of Cyclically Operated Pulverized Coal-Fired Power Plant
147	Merja Mäkelä, Hannu Sarvelainen and Timo Lyytikäinen. Learning Heat Dynamics Using Modelling and Simulation

148	Nadeem Qazi and B.L.Wlliam Wong. Semantic Based Image Retrieval Through Combined Classifiers of Deep Neural Network and Wavelet Decomposition of Image Signal
150	Kai Zenger. Challenges and New Directions in Control Engineering Education
151	Stefanie Winkler, Andreas Körner and Felix Breitenecker. A New Approach Teaching Mathematics, Modelling and Simulation
152	Vladimir Muliukha, Alexey Lukashin, Alexander Ilyashenko and Vladimir Zaborovsky. Network-Centric Control Methods for a Group of Cyber-Physical Objects
153	Tiina Komulainen, Alex Alcocer and Finn Aakre Haugen. Experiences and Trends in Control Education:A HiOA/USN Perspective
154	Jaroslav Cibulka, Peyman Mirtaheri, Salman Nazir, Davide Manca and Tiina Komulainen. Virtual Reality Simulators in the Process Industry A Review of Existing Systems and the Way Towards ETS
155	Alexander Shchekaturov, Ilya Kubenskiy, Konstantin Timofeev and Nikita Chernetsov. Method to Develop Functional Software for NPP APCS Using Model-Oriented Approach in SimInTech
156	Agostino Bruzzone, Marina Massei, Giuseppina Murino, Riccardo Di Matteo, Matteo Agresta and Giovanni Luca Maglione. Modeling and Simulation as Support for Development of Human Health Space Exploration Projects
157	Kasemsak Padungpien and Worawan Marurngsith. Creating Social-aware Evacuation Plans based on a GIS- enable Agent-based Simulation
158	Pitipat Penbharkkul and Worawan Marurngsith. Classification of OpenCL Kernels for Accelerating Java Multi- agent Simulation
159	Allouani Fouad, Kai Zenger and Xiao-Zhi Gao. A novel Flower Pollination Algorithm based on Genetic Algorithm Operators
160	Tomohiro Yoshikawa. A Search Method with User's Preference Direction Using Reference Lines
161	Moshe Brand, Moshe Halak and Hila Ben Gur. Blood Flow in the Abdominal Aorta Post 'Chimney' Endovascular Aneurysm Repair
162	Thaleia Flessa, Euan McGookin, Douglas Thomson and Kevin Worrall. Numerical Efficiency of Inverse Simulation Methods Applied to a Wheeled Rover
163	Reza Ashrafidoost and Saeid Setayeshi. A Method for Modelling and Simulation the Changes Trend of Emotions in Human Speech
164	Gustaf Thorslund, Mahder Gebremedhin, Peter Fritzson and Adrian Pop. Parallel Simulation of PDE-based Modelica Models Using ParModelica
165	Miguel Antonio Mujica, Catya Zuniga and Geert Boosten. Make Space!: Disruption Analysis of the A380 Operation in Mexico City Airport
166	Aicha Aguezzoul. Multi-Sourcing and Quantity Allocation under Transportation Policies
167	Francesco Casella and Stefano Trabucchi. Object-Oriented Modelling and Simulation of a Molten-Salt Once- Through Steam Generator for Solar Applications Using Open-Source Tools
168	Ari Jääskeläinen, Risto Rissanen, Asmo Jakorinne, Anssi Suhonen, Tero Kuhmonen, Tero Reijonen, Eero Antikainen, Anneli Heitto and Elias Hakalehto. How Does Modern Process Automation Understand the Principles of Microbiology and Nature

- 169 Elizabeta Lazarevska. Wind Speed Prediction based on Incremental Extreme Learning Machine
- Elizabeta Lazarevska. Comparison of Different Models for Residuary Resistance Prediction 170
- Wathsala Jinadasa, Klaus J-Jens, Carlos F. Pfeiffer, Sara Ronasi, Carlos Barreto Soler and Maths 171 Halstensen. Principal Component Analysis Applied to CO2 Absorption by Propylene Oxide and Amines

Currently, 162 papers have been accepted for publication.

- Conditionally accepted papers (3) need minor corrections.

- Instructions have been sent to all authors of these papers. IMPORTANT: Compare your paper with the template before uploading a new version!