



EUROPEAN MODELING AND SIMULATION SYMPOSIUM Conference Program

Session 1			
Friday 21st 8.30–10.00			
Chair: Dr. Yuri Merkuryev			
Simulation in Business, Economy, Finance and Commerce	BUS-1	Timing Analysis for Workflow Processes (ESS05-6203967993)	Lusine Tarumyan
	BUS-2	Simulation Model for Evaluation of Farmer's Chair: Dr. Yuri Merkuryev Strategies Under Nature Risks (ESS05-7303444495)	Yuri Merkuryev, Vladimir Bardatchenko, Andrey Solomennikov
	BUS-3	Enhancing Decision Support With Mabs: An Application in Electronic Payments (ESS05-7980258224)	Rigopoulos George, John Psarras, Dimitrios Th. Askounis
	BUS-4	Simulation of a manufacturing process with Devs and fuzzy logic (ESS05- 7851629503)	De Cicco Ange, Emmanuelle De Gentili , Jean-François Santucci
Session 2			
Friday 21st 14.00–16.00			
Chair: Dr. Rosa M^a Aguilar			
Simulation for the Industry Services	SIS-1	Predictive Simulation for Multiagent Resource Distribution: An Application in Hospital Management (ESS05- 9852186317)	Rosa Aguilar, I. Castilla, V. Muñoz, J. Estévez, C. Martín, L. Moreno
	SIS-2	Simulation of an IT Center for Users Attention (ESS05-2221273527)	Pedro Baquero, Rosa Aguilar, Alejandro Ayala, Iván Castilla
	SIS-3	Human Resources Planning in Health Care. Simulating Supply and Demand of Health Care Professionals in Spain (ESS05-0553080547)	Beatriz González López- Valcárcel, Patricia Barber
	SIS-4	Simulation of the Tropospheric Water Vapour Distribution Monitoring (ESS05-1781306057)	Peep Miidla, Kalev Rannat, Peep Uba
	SIS-5	Simplifying Gis Data Use Inside Discrete Event Simulation Model Through m:n-ac Cellular Automaton (ESS05-2975290432)	Pau Fonseca, Josep Casanovas
	SIS-6	Simulation of Vehicle Active and Slow Active Suspension in Comparison with Optimized Passive Suspension (ESS05-6769401053)	Mahdi Kashani Azad



Session 3			
Friday 21st 16.30–18.00			
Chair: Dr. Juan Jose Ramos			
Supply Chain Integration and Extended Enterprises	SCI-1	Load and Inventory Fluctuations in Supply Chains (ESS05-0088441500)	Jean-Claude Hennet
	SCI-2	Specification of Metaheuristics in Colored Petri Net Models to Tackle the Vehicle Routing Problem	Sònia Busquets, Laia Vilalta, Toni Guasch, Miquel Àngel Piera, Mercedes Narciso
	SCI-3	A Simulation Based Environment for Designing Real-Time Decision Tools in the Trucking Industry	Juan Jose Ramos González, Miquel Àngel Piera, Toni Guash, Jaume Figueras
	SCI-4	Metrics for Global Logistics and Transportation Facility Information Assurance, Security, and Overall Protection	Agostino Bruzzone, Francesco Longo, Enrico Papoff
Session 4			
Saturday 22st 08.30–10.00			
Chair: Remo Suppi			
Distributed Simulation	DIS-1	Dealing with Multi-Agent Coordination by Anticipation: Application (ESS05-2680187315)	Arnaud Doniec, René Mandiau, Stéphane Espié, Sylvain Piechowiak
	DIS-2	An Agent Architecture to Handle Commitment (ESS05-4298530912)	F. Coelho, H. Coelho
	DIS-3	Using Distributed Event Simulation for Individual Oriented Models (ESS05-6986472844)	Diego Mostaccio, Remo Suppi, Emilio Luque
	DIS-4	Experiments with a Parallel Monte Carlo Simulation of a Space Cosmic Particles Detector (ESS05-2284466557)	Francisco De Sande, Francisco Almeida, Carlos Delgado, Ramón García-López
	DIS-5	Source-Initiated On-Demand Routing Protocols Performance Evaluation Using OPNET Simulation (ESS05-6440958952)	Suhair Hafez Amer, John A. Hamilton
Session 5			
Saturday 22st 8.30 – 10.00			
Chair: Dr. Miquel Angel Piera			
Simulation in Manufacturing	MANUF-1	Methodology of Control System Development for Biological Systems Under Information Insufficiency (ESS05-9754152898)	Egils Stalidzans, Zigurds Markovitch
	MANUF-2	Multi-Objective Supplier Selection Using Simulated Cost Estimates (ESS05-7076819354)	Charu Chandra, Janis Grabis
	MANUF-3	Safety Stocks Determination in the Context of Cyclic Production (ESS05-8043224903)	Bahroun Zied, Moalla, Campagne Jean-Pierre
	MANUF-4	Artificial Neural Networks as Support for Production Control in Aerospace Industry	Enrico Bocca, Marina Massei, Enrico Briano



Session 6			
Saturday 22st			
10.30 – 12.30			
Chair: Dr. Ramon Vilanova			
Modelling and Simulation of Urban WasteWater Treatment Systems	WWTS-1	Artificial Neural Network Identification for Modelling of ASM3-Based WWTP models.	Botond Ráduly, Andrea G. Capodaglio, Krist V. Gernaey
	WWTS-2	Model Based Calibration for a Wastw Water Treatment Pilot Plant.	Gladys Tapia, David Gabriel, Juan A. Baeza, Javier F. Lafuente
	WWTS-3	QUAL2K Model as a Module of the Watershed Integrated Approach for Nutrient Assessment.	Joanna Boguniewicz ,Franco Salerno,Andrea G. Capodaglio , Gianni Tartari
	WWTS-4	Wiener Modelling and Predictive Control for Wastewater.	M. O' Brien, L. Giovanni, A. Ordys, R. Katebi
	WWTS-5	Joint State and Parameter Estimation Based Extended Kalman Filter of Activated Sludge Processes: a Benchmark Study	Farid Benazzi Krist, V. Gernaey , Reza Katebi
Session 7			
Saturday 22st			
10.30 – 12.30			
Chair: Dr. Emilio Jimenez			
Simulation in Manufacturing	MANUF-5	Simulation Metamodelling with Applications in Production and Logistics (ESS05-8739051191)	Galina Merkuryeva
	MANUF-6	Flexibility Planning Under Bottleneck Resource Constraint (ESS05-7585499927)	Khaoula Elbedoui-Maktouf, Mohamed Moalla, Pierre Baptiste, Zied Bahroun
	MANUF-7	A Simulation-Optimization Approach for Vehicle Control in Automated Semiconductor Manufacturing (ESS05-5968587407)	Jairo R. Montoya-Torres, Stephane Dauzere-Peres, Leon Vermariën
	MANUF-8	On Deterministic Modelling and Simulation of Manufacturing Systems with Petri Nets (ESS05-4266658488)	Emilio Jimenez Macias, Mercedes Perez De La Parte, Ignacio Latorre Biel
	MANUF-9	Swapping Events in Simulation: a Constraint Satisfaction Approach.	Miquel A. Piera, Toni Guasch, Juan Jose Ramos, Marc Bacardit.
	MANUF-10	Simulation Tool of an Automobile Assembly Plant	Marc Bacardit,Toni Guasch, Miquel A. Piera, Juan Jose Ramos