INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE - ICCS 2020

Track: Agent-Based Simulations, Adaptive Algorithms and Solvers (ABS-AAS)

Date: 4 June 2020

Time	#	Title & Authors
		Part I - Adaptive Algorithms and Solvers
09:30 - 10:00	96	Design of Loss Functions for Solving Inverse Problems using Deep Learning *Jon Ander Rivera, David Pardo and Elisabete Alberdi*
10:00 - 10:30	284	A block preconditioner for scalable large scale finite element incompressible flow simulations *Damian Goik and Krzysztof Banaś*
10:30 - 11:00	251	Hypergraph grammar-based model of adaptive bitmap compression *Gregorz Soliński, Maciej Woźniak, Jakub Ryzner, Albert Mosiałek and Anna Paszyńska*
11:00 - 11:30	115	Computational complexity of hierarchically adapted meshes *Marcin Skotniczny*
11:30 - 12:00	366	Simulation of Neurotransmitter Flow in Three Dimensional Model of Presynaptic Bouton *Andrzej Bielecki and Maciej Gierdziewicz*
12:00 - 12:30		Lunch Break
		Part II - Agent-based Simulations
12:30 - 13:00	484	An agent-based simulation of the spread of Dengue fever *Imran Mahmood, Mishal Jahan, Derek Groen, Aneela Javed and Faisal Shafait*
13:00 - 13:30	580	Asynchronous Actor-based Approach to Multiobjective Hierarchical Strategy *Michal Idzik, Aleksander Byrski, Wojciech Turek and Marek Kisiel-Dorohinicki*
13:30 - 14:00	397	Scalable Signal-based Simulation of Autonomous Beings in Complex Environments *Mateusz Paciorek, Agata Bogacz and Wojciech Turek*
14:00 - 14:30	337	Integrating agent-based modelling with copula theory: preliminary insights and open problems *Peter Fratrič, Giovanni Sileno, Tom van Engers and Sander Klous*
14:30 - 15:00	323	MeshingNet: A New Mesh Generation Method based on Deep Learning *Zheyan Zhang, Yongxing Wang, Peter Jimack and He Wang*
15:00 - 15:30	529	A Novel Bio-inspired Hybrid Metaheuristic for Unsolicited Bulk Email Detection *Tushaar Gangavarapu, Jaidhar C.D.*