

Workshops ACRI 2014 Preliminary Program

Monday, September 22, 2014 - Workshops				
8:30 - 9:30	Registration	AGH - pav. B-8		
9:30 - 11:00	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #C8E6C9; text-align: center; padding: 5px;">ACA chairs: A. Dennunzio, E. Formenti, T. Worsch</td> <td style="background-color: #FFF9C4; text-align: center; padding: 5px;">CCA chairs: S. Manzoni, J. Waş</td> </tr> </table>	ACA chairs: A. Dennunzio, E. Formenti, T. Worsch	CCA chairs: S. Manzoni, J. Waş	AGH - pav. B-8
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11 :00 - 11:30	Coffee Break	AGH - pav. B-8		
11:30 - 13:15	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #C8E6C9; text-align: center; padding: 5px;">ACA chairs: A. Dennunzio, E. Formenti, T. Worsch</td> <td style="background-color: #FFF9C4; text-align: center; padding: 5px;">CCA chairs: S. Manzoni, J. Waş</td> </tr> </table>	ACA chairs: A. Dennunzio, E. Formenti, T. Worsch	CCA chairs: S. Manzoni, J. Waş	AGH - pav. B-8
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13:15 - 14:15	Lunch	AGH - pav. B-8		
14:20 - 15:30	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #BBDEFB; text-align: center; padding: 5px;">TCA chairs: K.Nishinari, A. Schadschneider</td> <td style="background-color: #FFCDD2; text-align: center; padding: 5px;">ABSim&CA chairs: S. Bandini, K. Dopfer, G. Vizzari</td> </tr> </table>	TCA chairs: K.Nishinari, A. Schadschneider	ABSim&CA chairs: S. Bandini, K. Dopfer, G. Vizzari	AGH - pav. B-8
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15:30 - 16:00	Coffee Break	AGH - pav. B-8		
16:00 - 17:15	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #BBDEFB; text-align: center; padding: 5px;">TCA chairs: K.Nishinari, A. Schadschneider</td> <td style="background-color: #FFCDD2; text-align: center; padding: 5px;">ABSim&CA chairs: S. Bandini, K. Dopfer, G. Vizzari</td> </tr> </table>	TCA chairs: K.Nishinari, A. Schadschneider	ABSim&CA chairs: S. Bandini, K. Dopfer, G. Vizzari	AGH - pav. B-8
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17:30 - 18:30	ACRI 2014 Welcome opening	AGH - pav. B-8		

ACA Workshop Program

Monday, September 22, 2014 - ACA	
9:30 - 9:40	Chairs: A. Dennunzio, E. Formenti, T. Worsch - ACA opening
09:40 - 10:00	Paul Ruet. Geometric characterization of hereditarily bijective Boolean networks
10:00 - 10:20	Susumu Adachi. Inner-Independent Radius-Dependent Totalistic Rule of Universal Asynchronous Cellular Automaton
10:20 - 10:40	Henryk Fukś and Nazim Fates. Bifurcations of local structure maps as predictors of phase transitions in asynchronous cellular automata
10:40 - 11:00	Hannes Klarner, Alexander Bockmayr and Heike Siebert. Computing Symbolic Steady States of Boolean Networks
11 :00 - 11:30	Coffee Break
11:30 - 11:50	Heike Siebert and Adam Streck. Equivalences in multi-valued asynchronous models of regulatory networks
11:50 - 12:10	Pierre-Yves Louis. Effective parallelism rate by reversible PCA dynamics
12:10 - 12:30	Nazim Fates. A note on the fast convergence of asynchronous Elementary Cellular Automata
12.30 - 13.15	ACA Workshop - Discussion + Closure
13:15 - 14:15	Lunch



Workshops ACRI 2014 Preliminary Program

CCA Workshop Program

Monday, September 22, 2014 - CCA	
9:30 - 9:40	Chairs: S.Manzoni, J. Wąs - C&CA opening
09:40 -10.00	Jun Zhang, Antoine Tordeux and Armin Seyfried. Effects of boundary conditions on single-file pedestrian flow
10:00 - 10:20	Kenichiro Shimura, Stefania Bandini and Katsuhiko Nishinari. Simulation Study of the Spiral Motion of Pedestrians: A Cellular Automata Approach
10:20 - 10:40	Eleftherios Spartalis, Ioakeim Georgoudas and Georgios Sirakoulis. <i>CA Crowd Modeling for a Retirement House Evacuation with Guidance</i>
10:40 - 10:50	Marek Bukáček and Pavel Hrabak. Case Study of Phase Transition in Cellular Models of Pedestrian Flow (poster introduction)
10:50 - 11:00	Terpil Jenya and Makarenko Alexandre. Simulation of public opinion with ideas of cellular automata (poster introduction)
11 :00 - 11:30	Coffee Break + CCA Posters
11:30 - 11:50	Ekaterina Kirik and Tat'Yana Vitova. Cellular automata pedestrian movement model SigMA.CA: model parameters as an instrument to regulate mov.regimes
11:50 - 12:10	Jakub Porzycki, Robert Lubaś, Marcin Mycek and Jarosław Wąs. Application of NIST Technical Note 1822 to CA crowd dynamics models verification and validation
12:10 - 12:30	Xiaoge Wei, Weiguo Song, Xuan Xu, Zhiming Fang and Xiaolian Li. Effect of group behavior on crowd dynamics
12:30 - 12:50	Sultan Daud Khan, Fabio Porta, Giuseppe Vizzari and Stefania Bandini. <i>Estimating Speeds of Pedestrians in Real-World Using Computer Vision</i>
12:50 - 13:10	Bernhard Steffen and Mohcine Chraibi. Multiscale Simulation of pedestrians for faster than real time modelling in large events
13.10 - 13.15	CCA Workshop Closure
13:15 - 14:15	Lunch

TCA Workshop Program

Monday, September 22, 2014 - TCA	
14:20 - 14:30	Chairs: K. Nishinari, A.Schadschneider - TCA opening
14:30 -14.50	Lele Zhang, Somayeh Shiri and Timothy Garoni. A Study of Aggregated Speed in Road Networks Using Cellular Automata
14:50 - 15:10	Hui-Xuan Li, Chun-Fu Shao, Hao-Ling Wu, Jun-Fang Tian and Xun Ji. A new cellular automaton model with spatiotemporal process of lane changing execution
15:10 - 15:30	Jun-Fang Tian, Treiber Martin and Bin Jia. Cellular automaton model with non-hypothetical congested steady state reproducing the three-phase traffic flow theory
15:30 - 16:00	Coffee Break
16:00 - 16:20	Lars Habel and Michael Schreckenberg. Asymmetric Lane Change Rules For A Microscopic Highway Traffic Model
16:20 - 16:40	Takahiro Tannai and Katsuhiko Nishinari. Interactions between Multiple Junctions
16:40 - 17:00	Lele Zhang and Timothy Garoni. Modeling disruption and recovery of traffic in road networks
17.00 - 17.10	TCA Workshop Closure
17:30 - 18:30	ACRI 2014 Welcome

Workshops ACRI 2014 Preliminary Program

ABSimCA Workshop Program

Monday, September 22, 2014 - ABSimCA	
14:20 - 14:30	Chairs: S. Bandini, K. Dopfer, G. Vizzari - ABSim&CA opening
14:30 - 14:50	Rolf Hoffmann. How Agents Can Form a Specific Pattern
14:50 - 15:10	Paweł Kłeczek and Jarosław Wąs. Simulation of Pedestrians Behavior in a Shopping Mall
15:10 - 15:30	Luca Crociani and Giuseppe Vizzari. An Integrated Model for the Simulation of Pedestrian Crossings.
15 :30 - 16:00	Coffee Break
16:00 - 16:20	Jan Dijkstra and Joran Jessurun. Agent-Based Pedestrian Activity Simulation In Shopping Environments Using A Choice Network Approach
16:20 - 16:40	Anna T. Lawniczak, Bruno Di Stefano and Jason Ernst. Software Implementation of Population of Cognitive Agents Learning to Cross a Highway
16:40 - 17:00	Ben Vermeulen and Andreas Pyka. The effect of supraregional innovation and production collaboration on technology development in a multi-region world.
17.00 - 17.10	ABSim&CA Workshop Closure
17:30 - 18:30	ACRI 2014 Welcome