

Day Three – November 10

Hexagonal Room – P Session 1.7		Lareira Room – No Session
Theme	Applications and Theory	
Chair	Guy Engelen	
9:30	de Sousa et al – “Preliminary Design and Implementation of DSL3S”	
10:00	Li et al – “Development and applications of urban cellular automata in China”	
10:30	Engelen et al – “Modelling land use dynamics in support of Spatial Planning and Policy-making in Flanders, Belgium”	
11:00	Coffee-Break – Bilhar and Mármore Rooms	
Hexagonal Room – P Session 1.8		Lareira Room – No Session
Theme	Theory	
Chair	Nuno Norte Pinto	
11:30	Batty et al – “An Assessment of Cellular Automata Models in Urban Simulation”	
12:00	Marceau et al – “Assumptions in cellular automata modeling”	
12:30	Pinto et al – “A chronological overview of cellular automata models for urban and spatial systems”	
13:00	Lunch – Bilhar and Mármore Rooms	
Keynote Lecture KL3 – Hexagonal Room		
14:00	Prof. Helen Couclelis, Department of Geography, U. California at Santa Barbara, USA	
Closing Session – Hexagonal Room		
15:00	Prof. Michael Batty, CASA, University College London, UK	
	Prof. Roger White, Department of Geography, Memorial university of Newfoundland, Canada	
	Prof. Helen Couclelis, Department of Geography, U. California at Santa Barbara, USA	
16:00	Walking and Guided Visit to the Oporto Historic City Centre	

Day Four – November 11

8:30	Scientific and Leisure Visit to the Douro valley and the Port vineyards	
	See detailed program	

08:30	November 8 th	November 9 th	November 10 th	November 11 th
09:00	Hexagonal Room	Hexagonal Room	Hexagonal Room	Lareira Room
09:30	Lareira Room	Lareira Room	Lareira Room	Lareira Room
10:00	Registration	P Session 1.3	P Session 1.7	Scientific and Leisure Visit
10:30	Free visits to the Serralves Foundation Museum and Park	Coffee-Break	Coffee-Break	Port Wine, Douro valley and vineyards
11:00	Opening Session	P Session 1.4	P Session 1.8	
11:30	KL1 Prof. Michael Batty	LUNCH	LUNCH	
12:00	P Session 1.1	P Session 1.5	KL3 Prof. Helen Couclelis	
12:30	Coffee-Break	Coffee-Break	Conclusions and Closing Session	
13:00	P Session 1.2	P Session 1.6	Walking and Guided Visit to the Oporto Historic City Centre	
13:30		KL2 Prof. Roger White		
14:00				
14:30				
15:00				
15:30				
16:00				
16:30				
17:00				
17:30				
18:00				
18:30				
19:00	Free Dinner	Official Symposium Dinner	Free Dinner	

* Hexagonal, Bilhar and Mármore Rooms are located in the ground floor, Lareira Room is located in the first floor.

Day One – November 8

9:00	Registration	
14:00	Free visits to the Serralves Foundation Museum and Park	
Opening Session – Hexagonal Room		
14:00	Prof. Luís Neves, Director, Faculty of Sciences and Technology of the U. Coimbra Prof. Sebastião Feyo de Azevedo, Director, Faculty of Engineering of the U. Porto Prof. António Pais Antunes, Department of Civil Engineering, U. Coimbra Prof. Paulo Pinho, Research Centre for Territory, Transports and Environment U. Porto	
Opening Keynote Lecture KL1 – Hexagonal Room		
14:30	Prof. Michael Batty, CASA, University College London, UK	
Hexagonal Room - P Session 1.1		
Theme	Rules	Lareira Room - P Session 2.1
Chair	Anas Altartouri	Social modeling Igor Lugo
15:30	Dubos-Paillard et al – “Simulation platform by cellular automata based on spatial knowledge rules”	Jackson et al – “Drinking with friends”
16:00	Altartouri et al – “Mining cellular automata rules”	Lugo et al – “Geospatial Cellular Automata Programmed in Python for Social Sciences”
16:30 Coffee-Break – Bilhar and Mármore Rooms		
Hexagonal Room – P Session 1.2		
Theme	Neighborhood and Rules	Lareira Room – P Session 2.2
Chair	Diego Moreno	Environmental Applications Richard Hewitt
17:00	van Delden et al – “Are neighbourhood rules uniform across Europe?”	Zhao et al. – “Urban land-use policy issues and geosimulation, Yunan-Guizhou Plateau of Southwest China”
17:30	Verstegen et al – “Identifying transition rules in a cellular automaton”	Schindler et al – “Effects of peri-urban structure on air pollution”
18:00	Moreno et al – “Reticular automata models”	Hewitt et al – “Cells but not cities: the Doñana natural area, SW Spain”

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Day Two – November 9

Hexagonal Room – P Session 1.3		Lareira Room – P Session 2.3
Theme	Scale and Rules	Applications
Chair	Jaime Diaz-Pacheco	Flávia Feitosa
9:30	Iltanen et al – “Scalarity of local interaction in cellular automata models”	Crols et al – “An activity-based CA model for Flanders, Belgium”
10:00	Pinto et al – “A multiscale CA model for simulating urban systems”	Ajauskas et al – “The definition of functional urban regions”
10:30	Diaz-Pacheco et al – “The influence of the spatial scale in the applying CA models for urban land use change”	Feitosa et al – “Urban Conventions and Residential Location Choice”
11:00 Coffee-Break – Bilhar and Mármore Rooms		
Hexagonal Room – P Session 1.4		Lareira Room – P Session 2.4
Theme	Rules	Applications
Chair	Jenni Partanen	Piper Jackson
11:30	Veerbeek et al – “Exploration and exploitation in urban growth models”	Toralles et al – “Modeling and simulation of periurban dynamics”
12:00	Suarez et al – “CA Applied to Spatial Simulating Models in (LULUC) Multi-Temporals Images”	Maldonado et al – “Cellular Automata Model for the Urban Growth of the Metropolitan Area of Concepción (CAMAC)”
12:30	Partanen et al – “Exploring complex dynamics with a CA-based urban model”	Jackson et al – “Hybrid Automata Simulation of Residential Migration in the City of Vancouver”
13:00 Lunch – Bilhar and Mármore Rooms		
Hexagonal Room - P Session 1.5		Lareira Room - P Session 2.5
Theme	Calibration	ABM and CA
Chair	Hedwig van Delden	Geoffrey Caruso
14:00	Liu et al – “Mining of CA based land transition rules”	Lassarre et al – “Comparing interacting particles systems to cellular automata traffic flow models”
14:30	Garcia et al – “Calibration of an urban cellular automata model by using statistic techniques and a genetic algorithm”	Grinblat et al – “Simulating land-use degradation in West Africa with the ALADYN model”
15:00	van Delden et al – “Calibration of cellular automata based land use models: lessons learnt from practical experience”	Caruso et al – “An iterative economic residential choice ABM of urban growth in Luxembourg”
15:30 Coffee-Break – Bilhar and Mármore Rooms		
Hexagonal Room – P Session 1.6		Lareira Room P Session 2.6
Theme	Calibration and Theory	Hydrology
Chair	Alex Hagen-Zanker	William Veerbeek
16:00	Basse et al – “Cellular automata based neural networks for modelling dual complex systems”	Douvinet et al – “Detecting surface flow concentrations using a cellular automaton metric”
16:30	Vorel et al – “From cellular automata to land use models”	Sammari et al – “An Irregular and Multi Scale Cellular Automata”
17:00	Hagen-Zanker – “A comparison of three urban models of land use, transport and activity”	Veerbeek et al – “Natural Hazards Impact and Urban Growth”
17:30 Keynote Lecture KL2 – Hexagonal Room		
Prof. Roger White, Department of Geography, Memorial university of Newfoundland, Canada		
20:00 Symposium Dinner – Ferreira Cellars, Vila Nova de Gaia		
See detailed program		

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