



III International Conference URBAN E-PLANNING

Institute of Geography and Spatial Planning,
University of Lisbon, Portugal

&

International Journal of E-Planning Research

Lisbon, 3 - 4 April 2018

PROGRAM

CONFERENCE CONVENOR: Carlos Nunes Silva (*Institute of Geography and Spatial Planning, University of Lisbon, Portugal & Editor-in-chief International Journal of E-Planning Research*)

TUESDAY – 3rd April 2018

Tuesday, April 3rd

8:30 – 9:00

REGISTRATION

IGOT Building - Rua Branca Edmée Marques - main entrance (ground floor)

CONFERENCE OPENING - WELCOME

Tuesday, April 3rd

9:15 – 9:25

Room A ('Auditório Orlando Ribeiro')
(1st floor)

IGOT-UL - Dean

Conference Convenor

PLENARY

CHAIR

Ari-Veikko Anttiroiko (University of Tampere, Finland)

DISCUSSANTS

Teresa Scassa (University of Ottawa, Canada) & Anastasia Stratigea
(National Technical University of Athens, Greece)

Tuesday, April 3rd

9:30 – 10:30

SPATIALITIES OF EUROPEAN E-GOVERNMENT

Barney Warf (University of Kansas, USA)

Room A ('Auditório Orlando Ribeiro') (1 st floor)	WHO IS PLANNING THE SMART CITY: EARLY REFLECTIONS FROM GOOGLE SIDEWALK LAB'S FORAY IN TORONTO, CANADA Pamela Robinson (Ryerson University, Canada)
10:30 – 11:00	COFFEE-BREAK & INFORMAL NETWORKING
PANEL # 1	
CHAIR	John Zacharias (Peking University, China)
DISCUSSANTS	Pamela Robinson (Ryerson University, Canada) & Johannes Flacke (University of Twente, The Netherlands)
Tuesday, April 3 rd 11:00 – 13:00 Room A ('Auditório Orlando Ribeiro') (1 st floor)	SMART SERVICE DESIGN: PLANNING CYBER-PHYSICAL SYSTEMS AS THE CORE OF URBAN SERVICE ECOSYSTEM Ari-Veikko Anttiroiko (University of Tampere, Finland) CONCEPTUALIZING SMALL AND MEDIUM-SIZED SMART CITIES IN THE MEDITERRANEAN: AN ONTOLOGICAL APPROACH Maria Panagiotopoulou; Margarita Kokla & Anastasia Stratigea (National Technical University of Athens, Greece) VULNERABILITIES IN SMART CITIES: AN OVERVIEW OF SECURITY RISKS AND PREVENTION PRACTICES Esther Ruiz Ben (TU Berlin, Germany) & Margit Scholl (TUAS Wildau, Germany) DATA OWNERSHIP AND ITS IMPLICATIONS FOR SMART CITIES Teresa Scassa (University of Ottawa, Canada)
PANEL # 2	
CHAIR	Olga Gil (Universidad Complutense de Madrid, Spain)
DISCUSSANTS	Jiří Pánek (Palacký University Olomouc, Czech Republic) & Zbigniew Paszkowski (West Pomeranian University of Technology in Szczecin, Poland)
Tuesday, April 3 rd 11:00 – 13:00 Room B ('Sala de Conferências')	SMART PATH FOR THE URBAN SPACE: THE CASE OF PORTO DIGITAL FROM RECIFE - BRAZIL Marcela de Moraes Batista; Alexandre Hojda & Tharsila Maynardes

(ground floor)	Dallabona Fariniuk (Pontifícia Universidade Católica do Paraná, Brazil) CHALLENGES FOR IMPLEMENTATION AND METHODOLOGIES FOR CIM AS AN URBAN MANAGEMENT TOOL: A CASE STUDY IN CURITIBA BRAZIL Augusto Pimentel Pereira & Mario Procopiuck (Pontifical Catholic University of Parana, Brazil) SUPPORTING THE CO-GOVERNANCE OF URBAN COMMONS WITH CONTEXT SENSITIVE TECHNOLOGY Federico Piovesan (Polytechnic of Turin, Italy) SMART CAMPUS MASTER PLAN BASED ON KNOWLEDGE PLANNING Claudia Vicentelo & Stavros Kukulis (University of Tarapacá, Chile)
13:00 – 14:00	LUNCH
PANEL # 3	
CHAIR	Margit Scholl (TUAS Wildau, Germany)
DISCUSSANTS	Michał Czepkiewicz (Adam Mickiewicz University in Poznań, Poland; University of Iceland, Iceland & Heksagon.org, Poland) & Enzo Falco (Delft University of Technology, The Netherlands)
Tuesday, April 3rd 14:00 – 16:00 Room A ('Auditório Orlando Ribeiro') (1st floor)	PARTICIPATORY MAPPING OF URBAN GREEN AREAS PERCEPTIONS: EXPERIENCES FROM UHERSKÉ HRADIŠTĚ, CZECH REPUBLIC Jiří Pánek; Vít Pászto & Tomáš Daněk (Palacký University Olomouc, Czech Republic) COMMUNITY-CENTERED URBAN SENSING: BUILDING ENGAGEMENT INTO DATA-DRIVEN LOCAL PLANNING AND DESIGN Andrew Mondschein; Mona El Khafif & Zihao Zhang (University of Virginia, USA) GUIDING INFORMED CHOICES ON PARTICIPATION TOOLS IN SPATIAL PLANNING: A DECISION SUPPORT SYSTEM Giorgos Somarakis & Anastasia Stratigea (National Technical University of Athens, Greece)

PUBLIC PARTICIPATION GEOGRAPHICAL INFORMATION SYSTEMS IN THE PLANNING AND IMPLEMENTATION OF THE INTEGRATED DEVELOPMENT PLAN AT THE CITY OF UMHLATHUZE, SOUTH AFRICA

Sibonakaliso S Nhlathi (University of Zululand, South Africa)

CITY AS SMART AS ITS CITIZENS – NETWORK DATA COLLECTION BY USERS

Luka Mladenovič; Matej Nikšič; Božo Oman & Andrej Zalokar (Urban Planning Institute of the Republic of Slovenia, Slovenia)

PANEL # 4

(panel in French)

CHAIR

Amel Baziz Berkani (Université des Sciences et de la Technologie Houari Boumediene, Algeria)

DISCUSSANTS

Leila Abbas Mansour & Amel Baziz Berkani (Université des Sciences et de la Technologie Houari Boumediene, Algeria)

Tuesday, April 3rd

14:00 – 16:00

**Room B ('Sala de Conferências')
(ground floor)**

**LA RÉSILIENCE URBAINE UN ÉLÉMENT CLÉ DE LA VILLE INTELLIGENTE ?
CAS DE LA VILLE D'ALGER**

Nadir Louchahi & Ali Hadjiedj (Université des Sciences et de la Technologie Houari Boumediene, Algeria)

**L'AMÉLIORATION DE L'EFFICACITÉ ET LA COMPÉTITIVITÉ DES POUVOIRS
LOCAUX ET RECOURS À LA GESTION DYNAMIQUE DANS LE DOMAINE DU
PATRIMOINE URBAIN: L'EXPÉRIENCE DE LA VILLE D'ALGER**

Leila Abbas Mansour & Amel Baziz Berkani (Université des Sciences et de la Technologie Houari Boumediene, Algeria)

**ELEMENTS D'INTRODUCTION DE LA PLANIFICATION ELECTRONIQUE À
ALGER : DES PISTES DE RÉFLEXION POUR UN SYSTEME DE TRANSPORT
INTELLIGENT**

Naima Labri; Amel Baziz Berkani & Mohamed Bakour (Université des Sciences et de la Technologie Houari Boumediene, Algeria)

**LES AMBITIONS D'ALGER. DE LA MÉTROPOLISATION À LA SMART CITY
PAR QUELLES POLITIQUES ET PAR QUELS PROJETS ?**

	Amel Baziz Berkani; Leila Abbas Mansour & Ali Hadjiedj (Université des Sciences et de la Technologie Houari Boumediene, Algeria) LES AVANTAGES ET LES RISQUES DU DATA ANALYTICS DANS LA GESTION DES FLUX TOURISTIQUES VERS LES SMART CITY ? Baouali Ratiba & Amel Baziz Berkani (Université des Sciences et de la Technologie Houari Boumediene, Algeria)
16:00 – 16:30	COFFEE-BREAK & INFORMAL NETWORKING
PANEL # 5	
CHAIR	Johannes Flacke (University of Twente, The Netherlands)
DISCUSSANTS	Barney Warf (University of Kansas, USA) & Margit Scholl (TUAS Wildau, Germany)
Tuesday, April 3rd 16:30 – 18:00 Room A ('Auditório Orlando Ribeiro') (1st floor)	BEYOND THE SMART CITY: RE-THINKING INTERNET APPROPRIATION IN THE RURAL CORNWALL Abril Herrera Chávez (University College London, United Kingdom) SMART URBAN GOVERNANCE: HOW TO INTEGRATE SMART GOVERNANCE TOOLS WITH POLICY MAKING IN THE NETHERLANDS Stan Geertman; Eline Punt & Patrick Witte (Utrecht University, The Netherlands) HOW SMART-APP ARE THE MUNICIPALITIES OF GREECE IN RECORDING SPATIAL PROBLEMS AND WHAT ARE THEIR CHARACTERISTICS Aggeliki Moschou & Maria- Eleni Vogiatzaki (University of Thessaly, Greece) SHIFTING TOWARDS A SMART URBAN METABOLISM: THE CASE STUDY OF CAGLIARI - ITALY Chiara Garau; Pasquale Mistretta & Giulia Desogus (University of Cagliari, Italy)
PANEL # 6	
CHAIR	Eleni Tracada (University of Derby, United Kingdom)
DISCUSSANTS	Vít Pászto (Palacký University Olomouc, Czech Republic) & Olga Gil (Universidad Complutense de Madrid, Spain)

Tuesday, April 3rd

16:30 – 18:00

Room B ('Sala de Conferências')
(ground floor)

COMPARATIVE CASE STUDIES ON URBAN PLANNING OF POSTINDUSTRIAL URBAN AREAS

Sylvia Kołowiecka & Zbigniew Władysław Paszkowski (West Pomeranian University of Technology in Szczecin, Poland)

CHANGING ATTITUDES FOR THE REDUCTION OF ENERGY CONSUMPTION IN ALGIERS WITH THE REFLEXIVITY OF SMART ELECTRICITY METERS

Amina Chebli; Kahina Amal Djar & Meriem Lagati (École Polytechnique d'Architecture et d'Urbanisme, Algeria)

ISSUES OF E-GOVERNANCE IN THE HOUSING SECTOR IN ALGERIA

Ouahiba Belhocine; Kahina Djar & Meriem Lagati (Ecole Polytechnique d'Architecture et d'Urbanisme of Algiers, Algeria)

EVALUATING THE ABILITY OF ALGIERS TO ADOPT URBAN E-GOVERNANCE POLICY USING A SYNTHETIC MODEL

Karim Cheniki & Amel Baziz Berkani (University Of Science and Technology Houari Boumediene, Algeria)

WEDNESDAY – 4th April 2018

PANEL # 7

CHAIR

Pamela Robinson (Ryerson University, Canada)

DISCUSSANTS

Adam Zwoliński (West Pomeranian University of Technology in Szczecin, Poland) & Andrew Mondschein (University of Virginia, USA)

Wednesday, April 4th

8:30 – 10:30

Room A ('Auditório Orlando Ribeiro')
(1st floor)

DIGITAL PARTICIPATION IN CULTURAL PLANNING

Pilvi Nummi (Aalto University, Finland)

A SYSTEMATIC REVIEW OF MAPTABLE BASED PSS APPLICATIONS

Johannes Flacke (University of Twente, The Netherlands)

COLLAGE CE: CONCEPTUAL FRAMEWORK OF AN INTERACTIVE PLANNING SUPPORT APPROACH

Rosa Aguilar; Johannes Flacke & Karin Pfeffer (University of Twente The Netherlands)

PARTICIPATORY MAPPING OF UNDERUTILISED COMMONS IN DEPRIVED SUBURBAN AREAS IN DERBY, UNITED KINGDOM

Eleni Tracada (University of Derby, United Kingdom)

MASS ONLINE DELIBERATION ON URBAN ISSUES. E-PARTICIPATION PLATFORMS, THE CASE OF “DECIDE MADRID”

Iván Cantador; Alejandro Bellogín; María E. Cortés-Cediel & Olga Gil (Universidad Complutense de Madrid, Spain)

PANEL # 8

CHAIR

Anastasia Stratigea (National Technical University of Athens, Greece)

DISCUSSANTS

Sandeep Purao (Bentley University, USA) & Rui Alexandre Castanho (University of Extremadura, Spain & University of Évora, Portugal)

Wednesday, April 4th

8:30 – 10:30

**Room B ('Sala de Conferências')
(ground floor)**

EXPLORING SUSTAINABLE AUTOMOBILITY TRANSITIONS THROUGH AUGMENTING A TRANSDISCIPLINARY INQUIRY WITH E-PARTICIPATION: THE CASE OF AN URBAN ENCLAVE IN CAPE TOWN

Elizabeth Henshilwood; Mark Swilling & Marjorie Naidoo (University of Stellenbosch, South Africa)

THE "BLUE GLASSES" OR THE GEOGRAPHY OF ICT NETWORKS IN GREATER CAIRO: IMPLICATIONS FOR URBAN DEVELOPMENT PLANS

Amgad Elkashash (University of Paris-Sorbonne, France)

SMART FOSTERING OF LOCAL IDENTITY BY DEVELOPMENT OF TEMPORARY FUNCTIONS ON POST INDUSTRIAL AREAS

Aleksandra Kuśmierek; Zbigniew W Paszkowski & Jakub Ignacy Gołębiowski (West Pomeranian University of Technology in Szczecin, Poland)

URBAN REGENERATION AND RESILIENCE. TOWARDS A NEW TOOL TO REGENERATE OBSOLETE NEIGHBORHOODS

Daniel Navas-Carrillo (Universidad de Sevilla, Spain); María Teresa Pérez Cano (Universidad de Sevilla, Spain) & Carlos Rosa-Jiménez (Universidad de Málaga, Spain)

10:30 – 11:00	COFFEE-BREAK & INFORMAL NETWORKING
PANEL # 9	
CHAIR	Teresa Scassa (University of Ottawa, Canada)
DISCUSSANTS	Ari-Veikko Anttiroiko (University of Tampere, Finland) & Olga Gil (Universidad Complutense de Madrid, Spain)
Wednesday, April 4th 11:00 – 13:00 Room A ('Auditório Orlando Ribeiro') (1st floor)	THE EXPLOSION OF SHARED BICYCLE MOBILITY IN CHINA AND ITS IMPLICATIONS FOR URBAN PLANNING John Zacharias & Bin Wang (Peking University, China) DEVELOPMENT OF GEODATA-BASED TOOLS TO MEASURE URBAN MOBILITY: WALKABILITY PATTERN ANALYSIS IN THE CASE OF WUHAN, CHINA Minh-Chau Tran; Fabian Schnabel; Katharina M. Borgmann & Mira Schüller (University of Duisburg-Essen, Germany) THE CONCEPT OF CITIZEN AS SENSORS IN URBAN PUBLIC ACTION: INTERACTIONS IN URBAN WALKS Gwendoline l'Her; Myriam Servières & Daniel Siret (Ecole Centrale Nantes, France) USE OF CITIZEN SCIENCE TO ENGAGE INDIVIDUALS IN COLLECTIVE MANAGEMENT OF THEIR COMMUNITIES Rhiannon Crain (Cornell University, USA)
PANEL # 10	
CHAIR	Zbigniew Paszkowski (West Pomeranian University of Technology in Szczecin, Poland)
DISCUSSANTS	Aleksandra Stupar (University of Belgrade, Serbia) & Enzo Falco (Delft University of Technology, The Netherlands)
Wednesday, April 4th 11:00 – 13:00 Room B ('Sala de Conferências')	EXPLORING THE SENSE OF THE CITY BY STRUCTURE OF PUBLIC SPACES – PARAMETRIC ANALYSIS BY THE 3D-NEGATIVE Adam Zwoliński (West Pomeranian University of Technology in Szczecin,

(ground floor)

Poland)

VISUALIZATION OF ENVIRONMENTAL QUALITY IN 3D CITY MODEL

Angeliki Peponi & Paulo Morgado (University of Lisbon, Portugal)

URBAN AREAS AND THEIR DEFINITION IN THE EUROPEAN CONTEXT – CAN FUZZY THEORY HELP WITH URBAN-RURAL CLASSIFICATION?

Vít Pászto; Jiří Pánek & Tomáš Daněk (Palacký University Olomouc, Czech Republic)

METHODOLOGY OF MORPHOLOGICAL ANALYSIS OF ROADS

Daniel Silva Luiz Crispim & Antonio Paulo de Hollanda Cavalcante (Federal University of Ceará, Brazil)

MODELLING TECHNIQUES AND GIS MULTI-METHOD ANALYSIS TOWARDS SAFETY TERRITORIES: THE CASE OF MADEIRA ISLAND LANDSLIDES EVENTS

Sérgio Lousada (University of Madeira, Portugal); Rui Alexandre Castanho (University of Extremadura, Spain & University of Évora, Portugal); Jaime Gonçalves (University of Madeira, Portugal); Patrícia Escórcio (University of Madeira, Portugal); Luís Loures (Polytechnic Institute of Portalegre, Portugal & University of Algarve, Portugal); José Manuel Naranjo Gómez (University of Extremadura, Spain) & José Cabezas (University of Extremadura, Spain)

13:00 – 14:00

LUNCH

PANEL # 11

CHAIR

Barney Warf (University of Kansas, USA)

DISCUSSANTS

Pilvi Nummi (Aalto University, Finland) & John Zacharias (Peking University, China)

Wednesday, April 4th

14:00 – 16:00

**Room A ('Auditório Orlando Ribeiro')
(1st floor)**

DPP-BASED GOVERNMENT-CITIZEN CO-PRODUCTION IN URBAN DEVELOPMENT

Enzo Falco & Reinout Kleinhans (Delft University of Technology, The Netherlands)

PUBLIC PARTICIPATION GIS IN MOBILITY AND LAND USE PLANNING: EXAMPLES, EVALUATIONS, AND CHALLENGES BASED ON FOUR CASE STUDIES IN POLAND

Michał Czepkiewicz (Adam Mickiewicz University in Poznań, Poland; University of Iceland, Iceland & Heksagon.org, Poland); Cezary Brudka (Adam Mickiewicz University in Poznań, Poland; Heksagon.org, Poland & Poznań University of Economics and Business, Poland) & Piotr Jankowski (Adam Mickiewicz University in Poznań, Poland & San Diego State University, USA)

DRAWING AND TALKING ABOUT URBAN CHANGE: DEPLOYING DIGITAL TECHNOLOGY TO ENCOURAGE CREATIVITY AND VISIONING IN CITIZEN PARTICIPATION

Alexander Wilson & Mark Tewdwr-Jones (Newcastle University, United Kingdom)

THE ROLE OF PUBLIC PARTICIPATION GEOGRAPHICAL INFORMATION SYSTEM (PPGIS) IN CONTEMPORARY CITY

Darinka Golubovic Matic (University Union Nikola Tesla Belgrade, Serbia) & Ranka - Gajic (University of Belgrade, Serbia)

PANEL # 12

CHAIR

Jiří Pánek (Palacký University Olomouc, Czech Republic)

DISCUSSANTS

Eleni Tracada (University of Derby, United Kingdom) & Claudia Vicentelo (University of Tarapacá, Chile)

Wednesday, April 4th

14:00 – 16:00

**Room B ('Sala de Conferências')
(ground floor)**

BIG DATA: THE EVOLUTION OF THEORETICAL PERSPECTIVES AND CONCEPTS

Daniela Ferreira (University of Lisbon, Portugal)

OVERCOMING URBAN FEARS: NEW TECHNOLOGIES AND DESIRED URBAN FUTURES

Aleksandra Stupar & Aleksandar Grujičić (University of Belgrade, Serbia)

WHAT DRIVES DESIGN AND USE OF CITIZEN SERVICES: A VALUES-DRIVEN

INVESTIGATION

Yara Khoury (Bentley University, USA); Sandeep Purao (Bentley University, USA) & Marybeth Duffy (Council on Aging, Waltham, MA, USA)

THE LABYRINTH OF SMART CITY TECHNOLOGIES: HOW TO ORIENT A CONTEXT-RESPONSIVE DESIGN PROCESS

Lucia Lupi & Alessio Antonini (Polytechnic University of Turin, Italy)

CONFERENCE CLOSING SESSION

Wednesday, April 4th

16:00 – 16:10

**Room A ('Auditório Orlando Ribeiro')
(1st floor)**

IGOT-UL – Dean

Conference Convenor

CONFERENCE ENDORSED BY



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2018 IJEPR ANNUAL CONFERENCE**

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Lisbon, 3 - 4 April 2018

Conference website: <https://sites.google.com/site/uep2018conference/>

Conference e-mail: ijepr.conference@gmail.com

UePRN - URBAN e-PLANNING RESEARCH NETWORK

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