12th CITTA INTERNATIONAL CONFERENCE
ON PLANNING RESEARCH
CITTA RESEARCH CENTRE FOR TERRITORY, TRANSPORTS AND ENVIRONMENT

19 - 20 SEPTEMBER 2019
FEUP | Faculdade de Engenharia da Universidade do Porto

SPATIAL PLANNING FOR
CHANGE
| 19th September |

13h00-14h00 | REGISTRATION | FEUP

14h00-14h30 | OPENING SESSION | João Falcão e Cunha | Paulo Pinho
Faculdade de Medicina Auditorium

14h30-16h00 | PLENARY SESSION | Giacomo D’Alisa | Peter Larkham
Faculdade de Medicina Auditorium

16h15-17h45 | PARALLEL SESSIONS I | FEUP

**Session 1**

**Track 1: Social, environmental and economic dynamics**

**Chair: Joana Marques**

*The potential of a metabolic impact assessment tool in urban decarbonisation strategies*
| Miguel Lopes, Luísa Batista, Paulo Pinho

*The divided and inaccessible city: a critical analysis*
| Siepan Khalil

*Food for the city: framing an interdisciplinary approach for the analysis of Lisbon Metropolitan Area food system through case studies analysis*
| Teresa Costa Pinto, Pedro Costa, Teresa Marat-Mendes, Carolina Henriques, João Cunha Borges

*The shape of food: an analysis of urban agricultural shapes in Lisbon’s Greater Area*
| Ana Mélice Dias, Teresa Marat-Mendes
Socio-economic and land-use impacts of nature-based solutions for climate change adaptation in Eindhoven
| Rita Mendonça, Peter Roebeling, Teresa Fidélis, Filomena Martins

Session 1
Track 2: Urban form
Chair: Teresa Marat-Mendes

How town walls affect the physical, perceptual and social dimensions of daily life in İznik?
| Açalya Alpan, Kader Reyhan, Hasan Ünver

Revisiting the dynamics of urban density and daily life conditions: place, perception and process
| Vafa Dianati

Morpho: an historico-geographical analysis of Portuguese cities
| Vítor Oliveira, Valério Medeiros, João Corgo

An exhaustive morphological survey of American and European Metropolitan Regions
| Miguel Serra

Discontinuities in portuguese urban culture, 19th-20th centuries
| Manuel Teixeira

Session 1
Track 3: Accessibility and transports
Chair: João Bigotte

The role of urban design in breaking car-oriented mindsets
| Ana Cláudia Proença, Cecília Silva, José Palma-Oliveira

Spatial policies for a sustainable urban mobility: a complete package for change
| Paulo Silvestre, Paulo Pinho, Vítor Oliveira
Urban characteristics as influencing factors on decision-making behavior about hop on hop off city tour
| Adriana Tavares, João Bigotte, Norberto Santo

The (in)equality in the spatial layout of services: an analysis of the accessibility to primary schools
| Fillipe Feitosa, João Marques, Jan Wolf, Eduardo Castro

Assessing travel time relative competitiveness between public transit and private transportation on commuting trips
| Marcelo Altieri, Cecília Silva, Shintaro Terabe

Session 1
Track 4: Transformative planning processes
Chair: Asma Mehan

Recent changes in metropolitan governance in Southern Europe: a comparative analysis
| Joana Almeida, José Antunes Ferreira, Pedro Pinto

The notion of ‘the Good’ – towards a conceptual model for a value-based philosophy in planning practice
| Aleksandra Đorđević

Collaborative governance in Portuguese local authorities? A critical reflection based on the perceptions of planning-related professionals
| António Ferreira, João Igreja, Alberto Manuel Miranda

Decision support systems for urban governance: Cross-Cutting analysis of planning and policy cycles
| Monique Borges, Carlos Gonçalves, João Vicente, João Marques

[In]visibilities: the academic city versus everyday cities
| Mennatullah Hendawy

17h45-18h15 | COFFEE-BREAK
FEUP
**Session 2**

**Track 1: Social, environmental and economic dynamics**

*Chair: Emília Rebelo*

- *Spatial planning and building back better after disaster*  
  | Stephen Platt

- *Urban management of heritage sites: the case of Porto*  
  | Gabriela Neves, Emília Rebelo

- *Finding principles of post-growth society based on a new approach to urban informality*  
  | Toktam Ashnaiy, Seyed Abdolhadi Daneshpour

- *The São Francisco River’s transfer: contradictions of the presence-absence of the construction along its infrastructure axes*  
  | Carolina Sacconi

- *Urban green innovation: public interest, territory democratization and institutional design*  
  | José Vargas-Hernández, Simone Di Pietro

**Session 2**

**Track 2: Urban form**

*Chair: Miguel Lopes*

- *Morphological resilience: from a theory of resilient urban forms to the tools for its implementation*  
  | Alessandra Feliciotti, Martin Fleischmann, Ombretta Romice, Sergio Porta

- *Urban form and energy: exploring the micro-scale*  
  | Nuno Gomes, Vítor Oliveira
Urban forms for a sustainable socio-metabolism – a survey on surveys from 20th century Portugal
| Teresa Marat-Mendes, Patrícia Bento d’Almeida, João Borges

The potential of urban agriculture for a sustainable transition of contemporary urban planning: The case of Lisbon Metropolitan Area
| Teresa Marat-Mendes, João Cunha Borges, Ana Dias, Raúl Lopes

Food as an urban infrastructure: city/food dynamics from the past to the future
| Mariana Salvador

Session 2
Track 3: Accessibility and transports
Chair: João Zeferino

Planners’ attitudes towards the cycling potential of their cities - an attitude change approach
| Tamara Bicalho, Cecília Silva

Using a hierarchical tree-based regression model to explore university students’ travel behaviour: non-motorized modes
| Catarina Cadima

Walkability on different paths
| Andréa Holz Pfützenreuter

Bicycle, accessibility and mobility justice
| Isabel Cunha, Cecília Silva

Torre at eye level: walkability induced by transition spaces
| Jéssica Gomes de Lucena, José de Souza Brandão Neto
Session 2
Track 4: Transformative planning processes
Chair: Paulo Silvestre

A decision-aid tool for pavement management
| Rita Justo-Silva, Adelino Ferreira, Gerardo Flintsch

The institutionalization of nature based solutions – a discourse analysis of emergent dedicated literature
| Rúben Mendes, Teresa Fidélis, Peter Roebeling, Filipe Teles

Rationality Re-Revisited: planning paradigms in the age of climate politics and socio-ecological transition
| João Mourato, André Pereira

Developing a planning support system for starter cycling cities: the cycling measures selector
| Cecília Silva, Luíza Bandeira, Tamara Bicalho, Catarina Cadima, Isabel Cunha, Joana Marques, Ana Mélice Dias

Designing urban transformation: the relevance of the local scale to associate mobility and urban planning strategies in São Paulo
| Alessandro Muzi, Marlon Longo

21h00 | CONFERENCE DINNER - Casa da Música
Session 3
Track 1: Social, environmental and economic dynamics
Chair: Fernando Brandão Alves

Village condominium management: a new model to rural areas management
| Anita Pinto, Álvaro Costa

The trade unions' impact on the transport systems and economy
| Ana Guimarães

Citizen sensing - development of a participatory risk management system
| Asma Mehan, Paula Gonçalves, Ana Monteiro, Paulo Conceição, Sara Cruz

Quality of life and sustainability in the context of urban shrinkage: the case of Porto (Portugal)
| Sílvia Sousa, Alberto Rodríguez-Barcón

Session 3
Track 2: Urban form
Chair: Miguel Serra

Open public space representation models – properties, attributes, measures and meanings
| José Nuno Beirão, Ljiljana Cavic

Public space as an indicator of post-socialist transition
| Jovana Bugarski
Convex and solid voids model and diversity of open public spaces – model’s parameters, thresholds and constructing options
| Ljiljana Cavic, José Nuno Beirão

Experiencing urban shrinkage in a declining historical neighbourhood
| Solène Le Borgne

Appropriation, landscape and accessibility in public pericentral sidewalks in São João del-Rei - MG
| Gabriel Parede, Fernanda Corghi

Session 3
Track 3: Accessibility and transports
Chair: António Pais Antunes

Using decision trees to support the development of accident prediction models
| Hudson Pereira, Ana Bastos Silva, Álvaro Seco

Empirical evidence on the role of bikesharing in increasing sustainable mobility
| João Filipe Teixeira, Cecília Silva, Frederico Moura Sá

Intermodal Terminal Location in a Decentralized Management Context
| Erwin Delgado, Ana Barbosa-Póvoa, António Pais Antunes

Place-based experiments for sustainable mobility: the case of pedestrianisation in the historic centre of Palermo (Italy)
| Jessica Schussela, Ignazio Vincib, Cecília Silva

Routes of cyclists face the aspects that interfere in the course route in the city of Pelotas, Brazil
| Stéphanie Hillal

Expert-based speed limit setting in interurban roads
| Nuno Gregório, Ana Bastos Silva, Álvaro Seco
Session 3
Track 4: Transformative planning processes
Chair: Isabel Breda-Vazquez

Modern board games as tools for planning: an exploratory survey
| Micael Sousa

New approaches on local planning: ten years of public participation and the Lisbon Municipal Program for active Citizenship
| Miguel Graça

Planning institutions going informal: an opportunity to evolve
| Paulo Silva

Conflicts and challenges for architecture and urbanism education: building up urban spaces together in the city of Rio de Janeiro
| Vera Tangari, Giselle Azevedo

10h30-11h00 | COFFEE-BREAK
FEUP

11h00-12h30 | PARALLEL ACTIVITIES | Round tables, book launching, posters and games
FEUP

Roundtable 1: Degrowth: Plan it or leave it?
Moderators: Sílvia Sousa, Miguel Lopes

Roundtable 2: Urban form: Understanding its impacts on daily life
Book launching: David Viana - MAPUTO. (AUTO)
ORGANIZAÇÃO E FORMA-DINÂMICA URBANA
Moderators: Vitor Oliveira
Hands-on Workshop - Serious Gaming: Adapting Modern Boardgames to Planning Practice

Facilitator: Micael Sousa

Poster Presentations - Project RE-CITY: Reviving shrinking cities

12h30-14h00 | LUNCH
FEUP

14h00-15h30 | PARALLEL SESSIONS IV
FEUP

Session 4
Track 1: Social, environmental and economic dynamics
Chair: Alberto Rodríguez-Barcón

Sustainability indicators for tourism applied to urban planning in Mozambique
| Pelágio Maxilhaieie, Anabela Ribeiro

The Economic Value for Cycling
| José Carlos Mota, Frederico Moura e Sá, João Pedro Ferreira, Catarina Isidoro

Multicriteria analysis and geoprocessing for implantation of new affordable housing in the city of Rio de Janeiro
| Thiago Lima, Gisele Barbosa

Analyses of temporal and spatial patterns of traffic-related particulate matter at urban scale
| Noela de Pina, J. Rodrigues, M. Ferreira, Oxana Tchepel

Touristification and urban patterns change: an analysis on the evolution of Alegria Street
| Beatriz Fontenele, Cinthia Cardoso, Lívio de Afonso, Rafael Carretero, Virginia Coelho
Session 4
Track 2: Urban form
Chair: Vítor Oliveira

Polycentric strategic spatial planning for change in Niteroi
| Thereza Carvalho

Evaluation of pedestrian space quality at neighbourhood scale
| Viridiana Gabriel Lopes, Cecília Silva, Lucía Días Vilariño, Miguel Lopes

From urban form to urban design rules – extracting lessons from studio work in an informal settlement in Bandung, Indonesia
| Paulo Silva

The (re)design of the urban form as a project diagram: the case of the Jundiaí River Valley, São Paulo, Brazil, 2018
| Luciano Silva, Thiago Pelakauskas, Felipe Favero, Beatriz Rocha, Beatriz Mussara, Angélica Alvim

Qualification of the residual free spaces of the Brazilian metropolis
| Sergio Sandler

Session 4
Track 3: Accessibility and transports
Chair: Álvaro Costa

Two heuristic approaches for solving the smart waste collection routing problem
| Diana Rita Ramos Jorge, Ana Raquel de Aguiar, Carolina Soares de Morais, Tânia Rodrigues Pereira Ramos, Ana Paula Barbosa-Póvoa, António Pais Antunes

University students cycling: barriers, potentials, and solutions. a Portuguese case study
| Anabela Ribeiro, Mohd Farhan
Optimal deployment of aerial resources for wildfire initial attack: case studies
| João Zeferino

Integrated flight scheduling and fleet assignment with improved supply–demand interaction modelling
| Sebastian Birolini, António Pais Antunes, Mattia Cattaneo, Paolo Malighetti, Stefano Paleari

To what extent the physical design of developing cities spurs transit oriented development?
| Mohammad Hamed Abdi

Session 4
Track 4: Transformative planning processes
Chair: Carlos Gonçalves

Urban development projects funded with a financializing land value capture instrument: the five Brazilian experiences compared
| Cláudia Affonso, Emília Rebelo, António Ferreira

The Brazilian housing program "Minha Casa Minha Vida" in Rio de Janeiro: an analysis of its social and urban aspects
| Angela Penalva, Pedro Vasques

Aging and accessible city: marketing or reality?
| Andréa Holz Pfützenreuter

New spatial dynamics and change in central zones
| Diana Silva, Isabel Breda-Vázquez

Spatial management system and local urban planning: a study about inhambane city in Mozambique
| Pelágio Maxlhaieie, Anabela Ribeiro

15h30-15h45 | BREAK
Session 5

Track 1: Social, environmental and economic dynamics
Chair: Paulo Conceição

Habitability improvements in residential occupations at São Paulo city center
| Fabiana Endo, Lucas Gobatti, Thomas Yano, Luciana Royer, Luiz Cardoso

Transnationals phenomenons, contemporary dynamics and territorial transformations: case study of Matosinhos City
| Elias Campos, Emília Rebelo, Jane Victal

MOBI-AGE: Promotion of urban mobility for aged populations
| Anabela Ribeiro, Ana Bastos, Fernando Brandão Alves, Sara Cruz, Inês Cunha, João Pedro Martins

The demography of housing on Portuguese low-density territories: an exploratory analysis for 2040
| Paulo Batista, Monique Borges, João Marques, Eduardo Castro

Food system transition, territory and policies
| Isabel Salavisa, Maria de Fátima Ferreiro, Sofia Bizarro

Session 5

Track 2: Urban form
Chair: Luisa Batista

If you want a better world, take a look at your own town: Proposals for urban interventions in a brazilian university
| Isabelle Cunha, Ana Paula Barros

Climate - proof seashore street definition. Morphological analysis of the Portuguese waterfront cities
| Francesca Dal Cin
Foster + partners urban Design projects: case study
| Mafalda Pantoja, Rui Póvoas, João Pantoja

Public participation contribution to community development, Towards the Development of a Conceptual Evaluation framework
| Aymen Boudebouz, Anabela Ribeiro, Isabel Breda-Vázquez

The influence of green infrastructure on the Teresina`s urban microclimate on the Parnaíba River`s banks
| Lara Lopes, Gilda Bruna

Session 5
Track 3A: Accessibility and transports
Chair: Arminda Almeida
(simultaneous with 3B)

Planning for the cyclable city: The gross potential for cycling
| Cecília Silva, Luíza Bandeira, Tamara Bicalho, Catarina Cadima, Isabel Cunha, Joana Marques, Ana Mélice Dias

Metamodeling based on active learning: application to an emergency medical service simulator
| Francisco Antunes, Marco Amorim, Francisco Pereira, Bernardete Ribeiro

Evaluation of the performance of bituminous mixtures with the incorporation of fragments of low density plastic waste
| Rita Bandeira, Arminda Almeida

Measuring the economic and geographic impacts of air accessibility on regional development: a local model approach
| Susana Freiria, António Pais Antunes

Allocation of street space for transportation: using multiple criteria to compare solutions
| Luís Coimbra, Álvaro Seco
**Session 5**  
**Track 3B: Accessibility and transports**  
**Chair: Sara Ferreira**  
*(simultaneous with 3A)*

*A driving simulator study towards the driver inattention understanding*  
| Ana Bastos Silva, Nuno Gregório, Joana Dourado, Rosaldo Rossetti, Sónia Soares, Pedro Ferreira, José Pedro Tavares, António Couto, Sara Ferreira

*Understanding driver behaviour – an experiment using an instrumented vehicle*  
| Joana Félix Dourado, Ana Bastos Silva, Álvaro Seco, Ana Telma Pereira

*Assessing the shared autonomous vehicles’ fleet size using flow optimization in an interurban demand context*  
| Gonçalo Santos, João Zeferino, João Bigotte, Gonçalo Correia

*Pedestrian-vehicle interaction at unsignalized crosswalks: a simulation analysis*  
| Harley Amado, Sara Ferreira, José Pedro Tavares, Paulo Ribeiro, Elisabete Freitas

*The role of technology in public transport use and satisfaction in a transnational context*  
| Mayara Monteiro, João de Abreu e Silva, Jesper Ingvardson, Jorge de Sousa

17h15-17h45 | COFFEE-BREAK  
FEUP

17h45-19h15 | PLENARY SESSION | Benjamin Büttner | Ernest Alexander  
Faculdade de Medicina Auditorium

19h15-19h45 | CLOSING SESSION | Rui Calçada | António Pais Antunes  
Faculdade de Medicina Auditorium
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