

**KNOWLEDGE
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**UK LATAM FUTURE CITIES JOINT
RESEARCH WORKSHOP**



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General objective

The workshop should bring together the issues in a scene-setting presentation from several researchers from UK, Brazil, Mexico, Chile and Colombia. We will also learn about current and future research opportunities in the area of Cities. Whilst we will be thinking about issues affecting our transportation, water resources, use of energy, urbanism and communities at a global scale, we need to be mindful that some parts of the world face very different concerns. We will learn more about current funding opportunities for joint research, including the UK government's Newton Fund. It is hoped that the first two days of the workshop will enable delegates to share their knowledge and expertise to identify challenges, research targets and approaches relevant to this field of study. In particular we hope to identify specific research areas where there would be significant benefit in working together. The outputs from your discussions will be captured throughout the Workshop and there will be opportunities to share your thoughts, knowledge and specific expertise with the wider group.

Specific objective

It is hoped that participants will see the benefits of a partnership approach for the topics below and will be able to identify steps for future collaborative working. We hope that delegates will work together to explore a wide range of opportunities and identify relevant scientific challenges, and potential research themes, that could / should be addressed by an immediate funding programme. It is envisaged that to address the research challenges will require multidisciplinary teams, innovative approaches and potentially new ways of working. Whilst there has been some initial thinking about potential research themes (see below), we do not wish to be prescriptive. The Workshop is designed for delegates to have a hands-on approach to collaboration with partners from different countries.

Reflecting different concerns about:

- Communities
- Public spaces
- Transport
- Sustainable use of water, land and energy

Target Audience

The workshop has been arranged to bring together some of the key researchers and organisations, leading academics working on Cities who share an interest in developing collaboration research. Researchers from multinationals and local government's agencies are expected to be part of the audience.

Methodology

Working groups and presentations of the main points discussed and bottlenecks of the area will be carried out, resulting in a technical document.

When

30th September and 01st October

AGENDA

30th of September 2014

09h15 - 09h30	RECEPTION	
09h30 - 09h35	Welcome Speech	Richard Turner - British Consul General
09h35 - 09h40		Dr. Celso Lafer - President at Fapesp
09h40 - 09h45	Opening Remarks - Workshop General Objective	Carolina Costa - Science and Innovation Deputy Director
09h45 - 10h05	Brazil Overview in Research areas and General funding opportunities	Prof. Dr.Hernan Chaimovitz Advisor - Scientific Directorate
10h05 - 10h15	Q & A	
10h15 - 10h35	Presentation USP Cidades	Prof. Dr. Miguel Bucalem
10h35 - 10h45	Q & A	
10h45 - 11h00	COFFEE BREAK	
11h00 - 12h10	Self-Presentations and Areas of Expertise	3-5 min each
	Each participant makes a self presentation and state-of-art initiatives	All researchers attending
12h10 - 13h30	LUNCH	
Panel 1	Reflecting different concerns about Urbanism and Communities of Future in a infra-urban scale	
13h30 - 13h45	LSE London School of Economics - Department of Urban Geography Issues of public space and-or violence in the city	Prof. Dr. Gareth Jones
13h45 - 14h00	IAB SP - President of Institute of Architects of Brazil	Dr. José Armênio
14h00 - 14h15	UNICAMP - State University of Campinas - Faculty of Civil Engineering, Architecture and Urbanism	Prof. Dr. Doris Kowaltowski
14h15 - 14h30	USP - University of São Paulo - Faculty of Architecture and Urbanism	Prof. Dr. Marta Grostein
14h30 - 14h45	EMBARQ Mexico - Director of Urban Development and Accessibility for CTS	Dr. Luis Zamorano
14h45 - 15h00	University of Strathclyde - Deputy Director at Institute for Future Cities Shared and contrasting challenges for communities in cities across the world, and how we might address some of these.	Prof. Dr. Robert Rogerson
15h00 - 15h10	Q & A	
Panel 2	The future of mobility in cities	
15h10 - 15h25	Imperial College London - Director at Centre for Transport Studies	Prof. Dr. John Polak
15h25 - 15h40	University of São Paulo - Polytechnic School	Prof. Dr. Jose Quintanilha
15h40 - 15h55	Universidad de Concepcion - Department of Transport Engineer The role of the travel's experience, transport disadvantage and The social context of transport.	Prof. Dr. Juan Carrasco Montagna
15h55 - 16h10	Universidad National - Coordinator masters in regional urban planning Impact of big projects (roads, ports, airports) in regional urban dynamics.	Prof. Dr.Patricia Ricon Avellaneda

16h10 - 16h25	University of São Paulo - USP GAESI	Prof. Dr. Darek Swiatek and Prof. Dr. Melissa Pokorny
16h25 - 16h35	Q & A	
16h00 - 16h15	COFFEE BREAK	
Panel 3	Sustainable use of water, land and energy adapt to Climate Change	
16h50 - 17h05	State Government of São Paulo - Deputy Secretary for Water, Sanitation and Energy	Dr. Ricardo Toledo Silva
17h05 - 17h20	Universidad Antonio Nariño - Department of Hidrosystems and Geosciences	Prof. Dr. Aníbal Perez Garcia
17h20 - 17h35	Pontificia Universidad Catolica de Chile - Department of Agricultural Economics and UC Center for Global Change	Prof. Dr. Oscar Melo
17h35 - 17h45	Q & A	
17h45 - 18h30	Discussion to identify synergies and opportunities for the following morning research groups	Identify lider of each group

1st de October 2014

09h00 - 09h15	Initial Remarks and presentation of new researchers
09h15 - 09h30	Presentation Newton Fund
09h30 - 09h40	Q & A
09h40 - 10h00	Establishment of working groups
10h00 - 11h30	WGs - Projects ideas and actions going forward
11h30 - 12h15	Presentation of each group with its project idea
12h15	FINAL REMARKS - CLOSING

CONFIRMED RESEARCHES

Dr. Aline Cannataro Figueiredo

Executive advisor for USP Cidades
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Aline is currently USP Cidades executive advisor. She is an Architect graduated in Architecture and Urbanism from University of Sao Paulo (FAU-USP) having been an exchange student in University of Porto as well. She is really experienced in public projects, especially those related to habitation and education, and has been technical advisor of the Housing Secretary of Sao Paulo.



Dr. Aníbal José Pérez García

BSc (Civil Engineer) and MSc (Hydrosystems) Pontificia Universidad Javeriana
PhD (Geosciences) University of Tübingen
Professor of Environmental Engineering, Universidad Antonio Nariño
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Civil engineer with a master degree in Hydrosystems and a Ph.D in Geosciences (Dissertation Title: Physics-based numerical modeling of surface-groundwater flow and transport at catchment scale). During my master, I joined the Universidad Antonio Nariño as a Research Assistant working in environmental research project and giving some lectures related to water resources and geographical information systems (GIS). I gained some experience working in research projects and as consultant mainly developing hydrologic and hydraulic models and using remote sensing and GIS in water management. In 2007, I got a scholarship from the German Academic Exchange Service (DAAD) with collaboration of the Colombian government to begin my doctoral studies at the Center for Applied Geosciences in the University of Tuebingen (Germany). During my doctoral studies I gained knowledge and experience in physical hydrology, hydrogeology, physics-based numerical modeling, third- and fourth-generation programming and High Performance Computing (HPC). Since 2011, I have been working as a consultant with national level Colombian government institutions in projects mainly related to flood-risk management and climate change adaptation. In particular, I have worked with the National Department of Planning (DNP) in the construction of environmental and land ordering plans intended to ensure sustainable development. Currently, I supervise the hydrodynamic modeling of flood scenarios in the context of La Mojana project at the National Adaptation Fund (Fondo Adaptación) and I participate in the design of climate change mitigation and adaptation measures at this strategic region. I lead the Research Group Ecology, Water Resources and Environmental Engineering at the Environmental and Civil Engineering Department in the Antonio Nariño University. I have participated in some projects mainly focused on bridging the gap between numerical modeling and decision support systems in diverse areas that includes water supply sustainability, climate change, saline intrusion, strategic ecosystems and flood-risk management. At the moment, I lead the construction of a Decision Support System (DSS) based on both a robust GIS-framework and a coupled fully integrated hydrological model that allows simulate flow and transport interactions for the Sucre state. This state is characterized by a huge contrast in precipitation and economical activities which includes a touristic area that lies above a coastal aquifer, a tropical-savanna aquifer lying under the most populated towns of the state and an internal Delta that suffers from periodic flooding. The main goal of this project is to design strategies to mitigate the effect of climate change on water supply and ensure the sustainability of economical activities. I am also supervising a doctoral research related with the implementation of surface-subsurface models to support land ordering and planning in the context of flood-risk management and climate change adaptation at high-populated urban areas.

Research Interest Areas:

- Numerical Modelling, Flood-risk management, Surface-Subsurface Interaction,
- Decision support systems,
- Climate change adaptation,
- Water supply sustainability and saline intrusion.



Dr. Catherine Otondo

Architect at 3 Arquitetos

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Catherine Otondo is an architect graduated from FAU_USP (1989-1993) in São Paulo, Brazil. She has a Doctoral degree from the same institution, with a thesis about the work of the architect Paulo Mendes da Rocha, aiming to relate two instances of the creative process: drawing and constructed space. She has worked in several practices in São Paulo, Paris and in Michigan (USA), where she lived from 1998-2005. She has an architecture practice called base 3 arquitetos associated with other two architects: Jorge Pessoa and Marina Grinover. The practice develops projects in various fields of the profession from public to private buildings. The practice is developing a project of Urban Design for the Favela do Sape, that includes 900 housing units, landscape of the a river front, and the reconstruction of part of the existing favela houses. In 2012 her studio won the first prize in a competition for the urbanization of another an extended risk area perimeter, called Cabuçu de Cima 10 at the northern part of São Paulo that is currently under development.



Dr. Dariusz Swiatek

Researcher at GAESI - Polytechnic School of the University of Sao Paulo

MS (Sociology and Local and Regional Administration) Catholic University of Lublin, Poland

MS (Spatial Planning) Warsaw Technical University, Poland

PhD (Human Geography), Institute of Geography and Spatial Organization, Polish Academy of Sciences

Associated Professor, IGSO PAS (currently on sabbatical)

Research fellow at GAESI, Polytechnic School of the University of Sao Paulo

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Dr Dariusz Swiatek is a researcher at GAESI research group of the Polytechnic School of the University of Sao Paulo, where he carries out a postdoctoral research on the influence of intelligent transportation systems on cities development. He holds degrees in Spatial Planning from the Technical University of Warsaw (Poland), and in Sociology and Local and Regional Administration from the Catholic University of Lublin (Poland) and a PhD from the Institute of Geography and Spatial Organization of Polish Academy of Sciences (Warsaw, Poland). Dr Swiatek is also member of IGSO PAS research team (on sabbatical), he worked as a research fellow in Centre for Urban and Regional Development Studies at the Newcastle University, (Newcastle upon Tyne, UK). His academic experience was enriched by participating in number of research projects funded by: ESPON (European Observation Network for Territorial Development and Cohesion); ERDF (European Regional Development Fund), ESRC (UK) or 7th Framework Programme (EU). He also worked as a consultant with: the Spatial Foresight GmbH (on territorial policy support and research), Empirica (on application and development of new information and communication technology), and the NTCCP group (Network of Territorial Cohesion Contact Points) providing technical support for the cooperation of the Ministers of EU countries responsible for spatial development and the implementation of the Territorial Agenda. His teaching and research main interests are: economic and social geographies of transformation, regional inequalities, place base policies and public transport development, urban development, services of general interest, accessibility and ITS.

Research Interest Areas:

- Intelligent transportation systems
- Urban and suburban development
- Place based policies
- Regional inequalities
- Services of general interests



Dr. Doris Catharine Cornelia Knatz Kowaltowski

FAPESP

Professor at the Faculty of Civil Engineering, Architecture and Urban Design at UNICAMP and FAPESP's Coordinator of Projects in the Area of Architecture and urban Design.

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dkowaltowski@gmail.com Doris Catharine Cornelia Knatz Kowaltowski became a Full Professor in 2009 at the University of Campinas, UNICAMP. She obtained her PhD in Architecture from the University of California at Berkeley, UCB (USA) in 1980 and a Masters of Architecture also from UCB in 1970. In 1969 she graduated with a Bachelor of Architecture (with honors) from the University of Melbourne (Australia). The degree was revalidated in Brazil in 1985. Recently she became a Collaborating Professor in the Department of Architecture and Building, of the Faculty of Civil Engineering, Architecture and Urban Design (FEC) at UNICAMP. She was the Coordinator of the Undergraduate Program in Architecture and Urban Design several times between 1999 and 2006 and the Associate Director of FEC/UNICAMP between 2003 and 2006. She has coordinated various research projects, supported by FAPESP, CNPq, FINEP and FAEP/UNICAMP. She is a member of FAPESP's coordination of projects in the area of Architecture and Urban Design. She teaches in both Civil Engineering and Architecture and Urban Design undergraduate courses of FEC. She is also involved in the graduate program of FEC in the program called "Arquitetura, Tecnologia e Cidade" (ATC). Her teaching focuses on architectural design and the design process. Specific interests include social housing projects and school building design. Research is in the areas of design methodology and tools to support the process (Post-Occupancy Evaluation - POE, Architectural Programming, Design Evaluation) with special interest in humanization of architecture and bioclimatic architecture. She has been the adviser of seven Ph.D. theses and 8 Masters Dissertations. Thirty (30) undergraduate students have developed their first research projects with her. At the moment she is the adviser of 2 postdocs, 4 PhD students and one Masters project. On the national level she is the leader of the research group called "Metodologia de Projeto em Arquitetura" of CNPq and was up to November 2011 the leader of the ANTAC group called "Qualidade de Projeto e Avaliação Pós-Ocupação" - APO. She also holds the CNPq Scholarship for Productivity in research (level 1c) for the period of 2013 → 2017.



Dr. Eduardo Cesar Leão Marques

Professor at University of Sao Paulo in the Political Science Department in University of São Paulo and Deputy Director for the Centre of Metropolitan Studies in USP.

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He is a professor for Political Science Department in University of São Paulo (SUP) since 2002 and lecturer since 2007. He is a researcher and deputy director for the Centre of Metropolitan Studies. Currently, he is also President of International Sociological Association; trustee of FURS - Foundation for Urban and Regional Studies (in England); and Corresponding Editor for Latin America IJURR magazine. He is the coordinator of Summer School Concepts and Methods in Political Science since 2012, which is held by the International Political Science Association in association with the Political Science Department of University of Sao Paulo and the International Relations Institute of the same university. His main research areas are public policies on health, housing and infra-structure - all of these focusing in cities, segregation, urban poverty, favelas and social inequalities.



Dr. Gareth Jones

BSc - MSc and Ph.D to complete

Associate Professor (Reader) in Urban Geography, London School of Economics LSE

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Gareth is Professor of Urban Geography at the London School of Economics. His research interests fall into four broad areas. First, access to land and housing for the urban poor in developing countries, with particular interest in Mexico and South Africa. This work has involved looking at international urban policy, land market changes and property rights reform, and housing finance. Second, an interest in youth and violence, including a concern with gangs, policing and access to space and livelihood. Third, he has an interest in spatial exclusion and inequalities, and especially the role of elites to condition how cities should be produced, planned and represented. Fourth, he is interested in comparative urban studies, how urban debates can benefit from integrating ideas and practices grounded in the Global South, without losing the contribution of ideas and innovations from the North.

Gareth has directed the MSc Urbanisation & Development at LSE, is an associate member of LSE Cities, and the Institute of Latin American Studies (London), and on the steering committee of the International Institute on Inequalities. He has undertaken consultancy for DfID, UNCHS, the Department of Housing of Government of South Africa, and written reports for UN Youth Unit and UK Home Office. He has served as trustee of a number of NGOs, was an invited member of the Advisory Committee of Centre of Excellence for Statistics on Governance, Public Security and Justice, UN Office on Drugs and Crime (UNODC) and Instituto Nacional de Estadística y Geografía (INEGI). He is presently involved with an ESRC-NWO-DFG grant with colleagues at universities of Amsterdam and Munich on the commodification of poverty and violence, which will conduct research in Brazil, Jamaica, Mexico and the USA.

Research Interest Areas:

- International Urban Policy;
- Gated Communities;
- Urbanism; Cities;
- Gentrification; Identities; Youth; Violence



Prof. Dr. John Polak

BSc - MSc and Ph.D to complete

Professor of Transport Demand and Director of Research,

Department of Civil and Environmental Engineering, Imperial College London

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Professor John Polak is Professor of Transport Demand, Chairman of the Centre for Transport Studies and Director of Research in the Department of Civil and Environmental Engineering at Imperial College London. Professor Polak is a mathematician by background with over 30 years experience in transport research and teaching, specialising in the areas of mathematical and statistical transport modelling and analysis. He is a past President of the International Association for Travel Behaviour Research and a past Council Member of the Association for European Transport and a past member of a number of TRB Committees and serves on the editorial advisory boards of a number of leading international journals. He has served as an advisor to central and local government and industry on a wide range of transport issues, both in the UK and overseas. Professor Polak has been in the forefront of innovative transport model development in the UK for a number of years and has published extensively on a number of aspects of travel demand modelling, network performance estimation, network control and traffic management and intelligent transport systems. Much of his recent research has been concerned with the collection, analysis and interpretation of very large scale real-time datasets related to operational, behavioural, attitudinal and environmental aspects of transport. He is currently leading the development of Imperial's new Urban Systems Laboratory.

Research Interest Areas:

- Travel demand modeling
- Urban Systems Modeling
- Intelligent Transport Systems
- Pervasive Sensing, Decision Support



Dr. José Alberto Quintanilha

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Bachelor in Statistics by the Institute of Mathematics and Statistics, University of São Paulo (1979), Master in Remote Sensing by National Institute for Space Research (1988), Doctor and Lecturer in Transportation Engineering from the University of São Paulo (1996 and 2005). He is an Associate Professor in the Department of Transport Engineering of the Polytechnic School of USP and Productivity Scholarship and Research Level 2 of the National Council for Scientific and Technological Development. Has experience in GIS and Remote Sensing, acting on the following themes: quality databases for geographic information systems; orbital remote sensing, GIS and classification for images with emphasis on applications for urban planning, transport and environmental applications. Is currently accredited by the post graduate degree in Transportation Engineering from EPUSP and Environmental Science (PROCAM) USP programs.



Dr. Jose Armênio de Brito Cruz

President of The Institute of Architects - São Paulo

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José Cruz is an architect graduated from University of Sao Paulo in 1982. Since 2007 is a professor of Projects at Escola da Cidade in the city of Sao Paulo. He is also one of the founding partners of Piratininga Arquitetos Associados (PAA), where he is the leader of several urbanism and architecture projects. He is currently one of the vice-presidents of the Institute of Architects of Brazil and the President of the Institute of Architects of Sao Paulo since 2012.



Dr. Jose Daniel Soto

BSc (Electrical Engineer) Georgian Technical University

MSc. (Electrical Engineering) Georgian Technical University

Faculty of Electrical and Electronic Engineering Department

Professor Jose D. Soto is a Professor of Electric Circuits, Energy, environment and society and capstone design at Electrical and Electronic Engineering Department in the Universidad del Norte. He also teach the Energetic Economy in the graduate programs. He's an Electrical engineer with postgraduate research training in electrical power systems, with experience in the management, implementation, monitoring and auditing of engineering projects. Experience in academic administration, and research and efficient use of energy consumption, renewable energy and influence of environmental variables in the operation of the electrical system. He was a Director of Research and Graduate Studies of Engineering (2003 - 2008), Chairman of Electrical and Electronics Engineering Department (1999) and Program Coordinator of Specialization in Electric Energy Transmission Systems (2001 - 2006). He was a Director of Electrical and Electronics Engineering Department (March 2008 - February 2012). He is working in the design, Implementation and Evaluation of a Training Program for efficiency in energy consumption in Barranquilla: GiraVerde Program. He also is working in a Social appropriation of knowledge in Sustainable and Renewable Energy in the Departamento del Atlántico. Before he worked in the design and construction of a cogeneration system using the hot gas of a diesel engine and natural gas.

Research Interest Areas:

- Electrical power systems,
- Renewable energy, Energy efficiency,
- Energy's market,
- Educational program about energy efficiency.



Dr. Juan Carrasco Montagna

BSc (Engineering Science) Pontificia Universidad Católica de Chile

MSc (Engineering Science, Transportation Engineering) Pontificia Universidad Católica de Chile

PhD (Philosophy, Transportation Engineering and Planning) University of Toronto

Associate Professor, Department of Civil Engineering, Universidad de Concepción

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Juan Antonio Carrasco is a Civil Industrial Engineer from the Pontificia Universidad Católica de Chile, Master of Science in Engineering from the same University, and a PhD in Engineering and Transportation Planning at the University of Toronto, Canada. Dr Carrasco worked as a consultant in Steer Davies Gleave, and held internships at Sectra and The Hague Consulting Group (now RAND -Europe). In these places, he worked on the study of various transport demand projects, including the design, implementation and data collection behavior transport (both as Declared Revealed Preferences), and their subsequent modeling and evaluation. In addition, between 2009 and 2010, he served as a board member of Fesub (Suburban Railways Concepcion), a subsidiary of EFE. He is currently Professor Associate, Department of Civil Engineering, University of Concepción, where he work of undergraduate and graduate teaching, and research. Dr. Carrasco's research has mainly focused on the development of analytical methods for modeling and understanding travel behavior, and its implications in the overall urban context. He is a pioneer studying the role of social networks in travel behavior, both in the development of new data collection techniques as well in the analysis of the role of social structure in space and its travel implications. Dr. Carrasco has also focused in the relevance of understanding travel demand as derived from the people's need on performing activities, and the relationship between people's travel decisions and other key aspects of their lives, such as their use of information and communication technologies, and the characteristics of their urban environment. He also has focused his research on studying how changes in land use patterns are related to the transportation system, focusing both on existing empirical evidence as well as on method to analyses this relationship. Finally, Dr. Carrasco has studied the role of transportation in people's social inclusion, developing conceptual frameworks and empirical indicators to understand how transportation affects the quality of life of different population groups.

Research Interest Areas:

- Integrated Land Use and Transportation Models,
- Transportation Planning Policy
- Travel Demand and Network Models



Dr. Luis Zamorano

BSc (City Planning) Universidad Nacional Autónoma de México

MsC (Urban Management) Universitat Politècnica de Catalunya

Director of Urban Development and Accessibility for CTS EMBARQ Mexico

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Luis Zamorano is an Urban Planner with over 16 years of work experience in urban development planning and social infrastructure creation in Mexico. He received his Master's Degree in Urban Planning and Management from the Polytechnic University of Catalunya and his master's thesis on real estate taxation was published by the Lincoln Institute of Land Policy. Currently he is the Director of Urban Development and Accessibility at a non-governmental organization (EMBARQ, at the World Resources Institute) where his focus is in Sustainable Mobility, Urban Regeneration, Urban Legislation and Public Spaces. Prior to this, he was the Director General of Urban Facilities and Infrastructure within the Ministry of Social Development where he oversaw the implementation of numerous projects in the construction of social infrastructure. During this time he was head of the Recovery of Public Spaces Program. This program required massive government coordination with more than 350 municipalities, active participation of the community and built 4,500 decent and safe spaces for recreation, sports and culture. From 2002 to 2007, he was the Project Coordinator for the Urban Studies Program at the National University of Mexico where he coordinated the development of various plans and programs for urban and regional development, such as the Territorial Program for the Metropolitan Area of Mexico City.

Research Interest Areas:

- Urban regeneration and infill development
- Public Spaces and Communities
- Public Transportation and Non-Motorized Mobility
- Land Policy Instruments



Dr. Marco Antonio Saidel

Professor at University of São Paulo

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Graduated in Electric Engineering from University of São Paulo in 1978, Doctor since 1995 and lecturer since 2005 in electric engineering for University of Sao Paulo, he is currently professor at the university. His research is focused in electric engineering, energy management, energetic planning, renewable sources of energy and sustainability.



Dr. Maria Teresa Diniz

Executive Director of USP Cidades

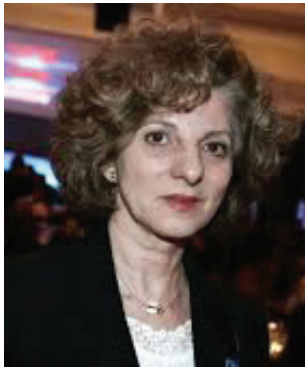
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Graduated in Architecture and Urbanism from FAMIH in Belo Horizonte in 2002, she got her master degree in geography for Université Panthéon-Sorbonne in 2004. Coordinator of GT Projects in the Habitation Municipal Secretary of the City of Sao Paulo where she led, for 5 years, a team of specialists working on a favelas urbanization and social interest housing projects. Her team was responsible for the National Contest of Renova SP project. She was also the coordinator of an Urbanization and Regularization Program for the regions of Paraisópolis. Was the coordinator of the psot-graduation course on Housing and City in Escola da Cidade. Her main research interests are on water management and environmental legislation compilation.

Dr. Mariana Abrantes Giannotti

Professor at University of Sao Paulo and Coordinator of the Laboratory of geo-processing

Professor in Polytechnic School of University of Sao Paulo and Coordinator of the Geo-processing laboratory (LGP/EPUSP). Graduated from University of Sao Paulo in Agronomic Engineering (1998), has been part of an exchange program in Arizona - USA; master in remote sensing got her master degree from the National Institute of Space Research in 2011 and doctor in space information from POLI-USP in 2010. Part of her doctorate was done in the Laboratoire d'informatique in image and information systems in Lyon-France INSA from 2008 to 2009. Currently is the coordinator of a project to support the construction of infra-structure space data for University of Sao Paulo and is mainly focused, research-wise in geo-processing and transports engineering.



Dr. Marta Dora Grostein

*Faculdade de Arquitetura e Urbanismo da USP
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Professor at the Faculty of Architecture and Urbanism of the University of São Paulo (FAU). Graduated in Architecture and Urbanism at the University of São Paulo (1973), master's degree in Master of Architecture - College of Environmental Design University of California Berkeley (1975) and Ph.D. in Architecture and Urbanism at the University of São Paulo (1987). Dr. Grostein has experience in Urban Planning and Urban Development, acting on the following themes: urban management, urban metropolitan, urban environment and processes of urban expansion, peripheral pattern of urbanization (illegality, secrecy and irregularity), metropolitan peripheries.



Melissa Seriana Pokorny

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Researcher at GAESI - Polytechnic School of University of São Paulo

Is graduated in Law from Pontifícia Universidade Católica de São Paulo (2003), and is specialized in Taxes Law by Fundação Getúlio Vargar (GVLaw) since 2007. Has acted as coordinator of the Taxing Department at Trevisoli Advogados Associados for 7 years. Currently is researching for her master program at Polytechnic School in University of Sao Paulo in the area of traceability of medicines. Is a researcher in the group GAESI in urban mobility, smart cities and traceability.



Dr. Oscar Melo

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MSc and Ph.D (Agricultural and Natural Resource Economics) University of Maryland, USA
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Oscar Melo is a professor at the Department of Agricultural Economics, Pontificia Universidad Católica de Chile (UC) and member of the UC Center for Global Change. He has been director of the Master in Agricultural and Environmental Economics (2003-2007), and Director of the Department of Agricultural Economics (2007-2014), at UC. He is also a member of GAMA an environmental legislation observatory at UC. He has done consulting for the World Bank, IDB, ECLAC, FAO, Chilean Ministry of the Environment, Ministry of Energy, and Water Agencies, among others. His research interest are Climate Change Economics, including the adaptation, vulnerability, and impact on water supply, electricity and water demand, water markets, hidroeconomic modelling, and institutional and regulatory arrangements. He is interested in mechanisms to define and achieve appropriate quality of service provision in water and electricity. He has also worked on the economic valuation of environmental externalities caused by pollution and ecosystem services: water provision, flood regulation, water quality, recreation. He has developed models of land use and climate change with implication on water demand, poverty and employment.

Research Interest Areas:

- Environmental Economics,
- Water and Electricity Demand
- Climate Change
- Land Use



Dr. Patricia Rincón Avellaneda

*BSc (Architect) Universidad Nacional de Colombia
MSc and PhD (Urbanism) Universidad Nacional de Colombia - Universidad Central de Venezuela
Associated Professor at the Faculty of Arts, School of Architecture and Urbanism, at National University
Coordinator masters in regional urban planning, and professor of undergraduate architecture workshop
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Professor Patricia Avellaneda is an Associated Professor at the Faculty of Arts, School of Architecture and Urbanism, at National University, Bogotá, D.C., Colombia. Academic coordinator masters in regional urban planning, and professor of undergraduate architecture workshop. Her main focuses of research are regional and urban dynamics; impact of big projects (roads, ports, airports) in regional urban dynamics. For ten years she has been working on regional integration initiatives of which produced several publications. In the last two years led a research on studying how new infrastructure (roads in particular) introduce changes in the way the region can be and enhance or discourage relationships and dynamics between different municipalities.

Research Interest Areas:

- Regional and urban dynamics;
- Impact of big projects (roads, ports, airports) in regional urban dynamics



Dr. Paula Freire Santoro

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Architect and Urban Planner (PUC Campinas, 1982), Master in History (UNICAMP, 1990), PHD in Architecture (FAU USP, 1995), works with researches about modern and contemporary architecture in Brazil, with special attention to its relation with Europe and United States architecture. Full Professor of the Instituto de Arquitetura e Urbanismo of Universidade de São Paulo at São Carlos, and was the director of its Graduate Program from 2007 to 2013. Researcher of the National Council for Scientific and Technological Development (CNPq) since 1996 publishes often in Brazil and abroad. His first book "Rino Levi, Arquitetura e Cidade" (Romano Guerra, 2001) won the prize of best architectural publication of the Instituto de Arquitetos do Brasil (São Paulo Department) in 2002. His last book "Architettura Contemporanea: Brasile" was published in Italy (Motta, 2008/ 2012 2nd edition) and France (Actes Sud, 2009). Held conferences about Brazilian contemporary architecture in many places such as Paris, Lisbon, Hamburg, Milan, Philadelphia, Austin, New York, Providence, New Orleans, Buenos Aires, Santiago and several Brazilian cities. Director of the Instituto Lina Bo e P. M Bardi, is in charge of her Centenary celebrations. Besides the theoretical and historical research, works with architecture and urban design. Have been Secretary of Public Works, Transportation and Services of São Carlos City Hall from 2001 to 2004, when developed the first "Plan for Sustainable Urban Mobility" for the city. After that experience, opened a new line of research in urban design, infrastructure networks and sustainability. The recent researches are held in an interdisciplinary group composed of environmental engineers, architects, urban planners and geographers at USP São Carlos, in collaboration with HafenCity Universität of Hamburg and São Paulo city government.



Dr. Ricardo Toledo Silva

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Ricardo Toledo Silva is a Full Professor (Professor Titular) of Infrastructure Technology in the School of Architecture and Urban Studies (FAU) of the Universidade de São Paulo (USP), which he led as Dean from 2002 to 2006. He is currently serving as Deputy Secretary for Water, Sanitation and Energy in the State Government of São Paulo. He is the Coordinator of FAU-USP's Urban Information Research Nucleus (INFURB), and was a researcher at the Institute of Technological Research (IPT) of the State Government of São Paulo. He coordinated integrated research projects and interventions in degraded urban areas in Brazil and abroad. He previously served as Secretary of Urban Development in the Brazilian Ministry of Housing, Urban Planning and Environment as well as Deputy Secretary in the Brazilian Ministry of Housing and Social Welfare. Prof. Toledo Silva has published about 70 works on Architecture Technology, Urban Infrastructure and Public Management. He earned a bachelor's degree, master's, and Ph.D. in architecture from FAU-USP, after carrying out graduate research at the Bouwcentrum in Rotterdam (Holland) and the Politecnico di Torino (Italy).



Dr. Robert Rogerson

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Robert Rogerson is Reader and Deputy Director of the Institute for Future Cities at the University of Strathclyde; a research unit which works in partnership with academic, civic and commercial partners to visualize new ways of addressing contemporary urban issues. The Institute works in the areas of transport, energy, economics and social geography. Robert presently leads research projects on local visions of sustainable communities, design in innovation and built heritage (AHRC funded), and is a managing in an ESRC Transformative grant on 'Predictive Crime and data analytics'. He has recently led the £850,000 joint ESRC/Homes & Community Agency Initiative on sustainable communities and completed projects funded by the AHRC (under their Connected Communities programme), and by the ESRC (under their Venture grant scheme) and works with partners in North America, Asia, Australasia and Europe. He is currently seconded part-time from the University part-time as research coordinator for the Glasgow Legacy Research Partnership associated with the XX Commonwealth Games in Glasgow in 2014, where he leads 6 projects on volunteering, communities and legacy planning. He is a member of the Scottish Government's Legacy Evaluation team and Glasgow City Council's legacy group, as well as coordinator for their research workstream around legacy. In 2014 Robert was been invited to join the Scottish Human Rights Commission panel monitoring progress on Scotland's National Action Plan, and serves on the management Board and as a Trustee for the Royal Scottish Geographical Society. Having previously been Head of Department in Geography and Sociology, research director of the Glasgow Quality of Life Group, and University committees, he has broad experience of research and team leadership.

Research Interest Areas:

- Sustainable communities,
- Urban design and built heritage
- Modelling predictive behavior
- Crime and data analytics
- Event led urban community regeneration



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