

NEWSLETTER NUMBER 12 OCTOBER 2012

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RESEARCH CENTRE FOR TERRITORY TRANSPORTS AND ENVIRONMENT

<http://citta.fe.up.pt/>

RECENT PUBLICATIONS

Correia G, Antunes A (2012) Optimization approach to depot location and trip selection in one-way carsharing systems, *Transportation Research Part E: Logistics and Transportation Review*, 48, 233-47.

Ferreira A, Batey P, Brömmelstroet M, Bertolini L (2012) Beyond the dilemma of mobility: exploring new ways of matching intellectual and physical mobility, *Environment and Planning A*, 44, 688-704.

Ferreira A, Beukers E, Brömmelstroet M (2012) Accessibility is gold, mobility is not: a proposal for the improvement of transport-related Dutch cost-benefit analysis, *Environment and Planning B: Planning and Design*, 39, 683-97.

Ferreira S, Couto A (2012) Categorical modeling to evaluate road safety at the planning level, *Journal of Transportation Safety & Security*, 4, 308-22.

Frade I, Ribeiro A, Gonçalves G, Antunes A (2012) Optimization model for locating electric vehicle charging stations in central urban areas, *Transportation Research Record*, 2252, 91-98.

Jorge D, Ferreira A (2012) Road network pavement maintenance optimisation using the HDM4 pavement performance prediction models, *International Journal of Pavement Engineering*, 13, 39-51.

Piccinini G, Simões A, Rodrigues C, Leitão J (2012) A method to investigate drivers' acceptance of Blind Spot Detection System, *Work: A Journal of Prevention, Assessment and Rehabilitation*, 41, 4213-17.

Piccinini G, Simões A, Rodrigues C, Leitão J (2012) Assessing drivers' mental representation of Adaptive Cruise Control (ACC) and its possible effects on behavioural adaptations, *Work: A Journal of Prevention, Assessment and Rehabilitation*, 41, 4396-40.

Santos J, Ferreira A (2012) Pavement design optimisation considering costs and preventive interventions, *Journal of Transportation Engineering*, 138, 911-23.

From this number onwards, this section will be exclusively devoted to the publications of the CITTA's Research Unit being promoted. In this case, the Research Unit 3.

EDITORIAL

Dear Reader,

In this month of October, the University of Minho awarded the highest and most prestigious academic distinction to Nuno Portas, the Honoris Causa Doctorate, for his unique career, as both architect and urban planner, academic and distinguished researcher, in a timely and symbolic ceremony at the Paço dos Duques de Bragança, in the city of Guimarães.

The future history of urban planning in Portugal will surely stand out the remarkable contribution of this most brilliant, intellectually cultivated, influential and, also, controversial personality, holder of a rather rich, diversified and long - over 50 years - professional and academic career. Among other numerous national and international prizes and honorific distinctions, he received, in 2005, the Sir Patrick Abercrombie Prize for his outstanding lifetime career devoted to the spatial planning field. He was the first, and so far the only Portuguese urban planner to receive such internationally acclaimed distinction.

In his final acknowledgments speech, Nuno Portas emphasised, among some other guiding ideas for practice and research, the importance of a truly multidisciplinary approach to urban planning, in order to face the increasing complexity of our urban regions. And he went on to challenge the younger generations of academics in the different universities of the Northern Portugal, with obvious links to or interests in urban planning, most of them working in very small groups, to get together in a wider and more ambitious multi-university research centre.

This challenge deserves careful consideration. For anyone watching the development of our research centre, over the last five years, this idea of breaking traditional disciplinary barriers, getting together researchers and scholars with different backgrounds and research experiences, exploring the richness of inter and multidisciplinary research cannot come as a surprise. We have been attracting researchers to our centre from other Faculties and research centres, fostering joint ventures with other universities, namely with the University of Coimbra, already full part of this CITTA project.

Surely we are open to, and warmly welcome, other collaborations even if that will involve the revision and adaptation of our internal regulations. We are very much aware that the present financing policies of our National Research Foundation (FCT) will be even more selective in the near future, concentrating the scarce resources available in a small number of projects and institutions. Our colleagues in the three most prestigious Lisbon universities are already taking steps in this direction of building larger centres and research teams. On our side, we reaffirm our willingness to pursue such development path establishing institutional bridges and collaborative projects with all colleagues that elsewhere are firmly committed to quality research in planning and planning related matters.

Paulo Pinho

PROPOSALS/RECENT CONTRACTS

SAFESPEED - Speed Management Strategies: an Instrument for the Implementation of Safe and Efficient Road Management Solutions (Ref: PTDC/TRA/72998/2006), supported by FCT. Concluded in 2012.

CiViTAS - ELAN Mobilizing citizens for vital cities (Grant agreement n°: 218954-ELAN), supported by the 7th Framework Programme, EC, SST-2007-3.4-01: Testing Innovative Strategies for Clean Urban Transport. 2008-2012.

EXPRESS - Exploration of Portugal's high speed Rail and Economic development Strategy Solutions (MIT/SET/0023/2009). 2010-2013.

MODAT - Multi-objective Decision-Aid Tool for Highway Asset Management (PTDC/ECM/112775/2009). 2010-2013.

AROUND - Improving Capacity And Emission Models of Roundabouts (PTDC/SEN-TRA/122114/2010). 2012-2014.

LIVE - Tools to injury prevention (Grant agreement n°: MOVE/C4/SUB/2011-294/SI2.625804), supported by the MOVE Programme, EC. 2012-2015.

SCIENTIFIC MEETINGS ORGANIZATION

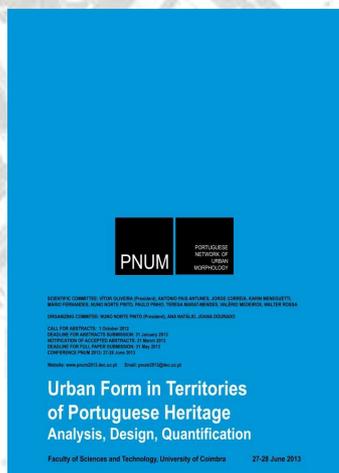
Joint Fifth Seminar of Spatial Econometrics & NECTAR Cluster 6 Meeting on Accessibility, Coimbra, 26-27 October, 2012.

CAMUSS, International Symposium on Cellular Automata Modeling for Urban and Spatial Systems, Serralves - Porto, 8-10 November, 2012.

10th Meeting of the Grupo de Estudos de Transportes (GET), Alcobaca, 3-4 January, 2013.

PNUM 2013: Urban form in territories of Portuguese heritage: analysis, design, quantification, FCTUC - Coimbra. 27-28 June 2013.

16th EURO Working Group on Transportation, FEUP Porto, 3-6 September 2013.



PNUM 2013

RESEARCH UNIT 3

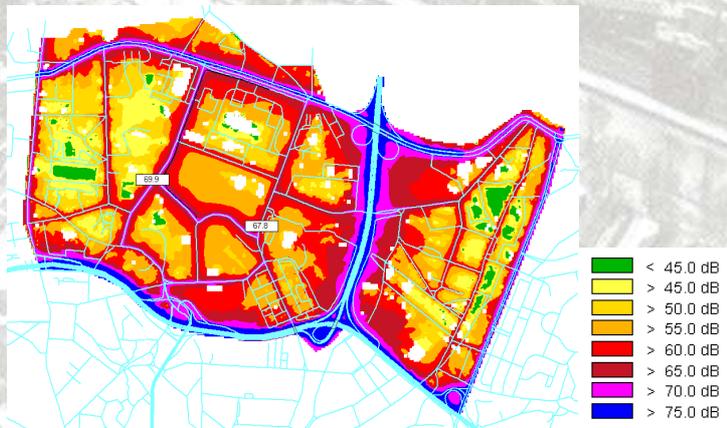
The research on the topic of "Transportation" at Civil Engineering Department has been mostly supported by two different and complimentary laboratories: the Transportation Planning and Logistics unit and the Traffic Analysis mainly focused on the appraisal of public transport networks, city logistics organization, air transport regulation, safety, transport behavior, traffic modeling and freight transport.

The development of knowledge on Transportation has been achieved through various types of projects relying on strong competencies on transport modeling, with topics covering public transport network design, pedestrian paths analysis, safety, city logistics, freight transport and transport behavior. The focus has been on developing appraisal methodologies with appropriate indicators to evaluate mobility, efficiency, effectiveness, environmental and safety impacts. Some of the projects on those topics correspond to PhD research funded by FCT (airport regulation, transport behavior and freight transport) and others are projects funded by European funds (mobility and safety).

The unit has tried to establish partnerships both at a national and an international level, with the scientific community as well as with some major transport related stakeholders.

At a national level it is worth to mention the participation on the Safespeed Project as well as the development of research in PhD thesis. Also, the effort that has been done gathering most of the transport research groups in Portugal in an annual meeting (GET) already for ten years, as well as its contribution to the development of academic/scientific solutions answering society demands, must be highlighted. As an example of our active role in creating added value to the transports arena in Portugal, we had evaluated the effects of pricing policies through SCUT's in Portugal and the impacts of car-sharing networks in Porto and Lisbon. Our recent research on transportation is also valuable in academic terms as it is shown by the significant list of publications shown in this Newsletter. At the international level, it is worth to mention the participation of our unit both in CiViTAS and LIVE projects and well as the co-organization of the international event Euro-Working Group on Transportation to be held on 3-6 September 2013.

Álvaro Costa
Carlos Rodrigues



Traffic Simulation (Asprela)