

Short Curriculum Vitae



Personal data:

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Present position:

Auxiliary Professor at the Department of Civil Engineering, University of Minho, and member of the Research Centre of Territory, Environment and Construction, University of Minho, Portugal .

Education and Degrees:

PhD in Civil Engineering – Territorial Management and Planning – 2008, University of Minho.
MSc in Urban Engineering – 2001, University of Minho.
Graduate in Mathematics and Computer Science – 1996, University of Minho.

Topics of Research:

GIS; multicriteria evaluation models; accessibility; urban environment evaluation; decision support;

Lectures:

GIS; GIS and Remote Sensing; Territorial Planning; Urban Planning

Master and PhD supervision:

Supervisor of 14 Master students and 1 PhD student

Research and Service Projects

Participant in funded projects:

AveCompete - *Agência de Desenvolvimento Regional do Vale do Ave (ADRAVE)* – WebGIS implementation;

MOBI.E - *Gabinete para a Mobilidade Eléctrica em Portugal* – Municipal plans for electric mobility;

Modelo Estratégico de Organização e Otimização de Rede de Transporte em Áreas de Influência do Setor Mineral do Estado do Pará – UFPA/VALE, Brazil;

Naturbanization – University of Sevilla - *Territorios en la frontera: costes ambientales y beneficios territoriales de los procesos de naturbanizacion*;

SMMART – Sistema Municipal de Monitorização do Ar, do Ruído e do Tráfego para Vila Real

Publications, Conferences and Editorial Boards

He has published about forty papers in international and national Journals and in international and national Conferences.

He is the IT Coordinator and member of the Scientific Coordination of the International Conferences PLURIS – Urban, Regional, Integrated and Sustainable Planning.

Recent Publications

Rodrigues D. S., Ramos R. A. R., and Tobias M. S. G., "A spatial multicriteria model for urban accessibility mapping", *Proceedings of the Institution of Civil Engineers - Urban Design and Planning*, vol. 168, issue 6, pp. 1-13, doi:10.1680/udap.15.00014, 2015.

Nakata C. M., Souza C. L. Léa, and Rodrigues D. S., "Geometria urbana e ilha de calor noturna: análise baseada em um modelo numérico", *(re)Inventar a Cidade em Tempos de Mudança*, vol. 38, issue 8, pp. 38-45, 2015.

Nakata-Osaki C. M., Souza C. L. Léa, and Rodrigues D. S., "A GIS extension model to calculate urban heat island intensity based on urban geometry", *The 14th International Conference on Computers in Urban Planning and Urban Management*, pp. 1-16, 2015.

Ribeiro P., Rodrigues D. S., and Taniguchi E., "Comparing standard and low-cost tools for gradient evaluation along potential cycling paths", *WSEAS TRANSACTIONS on ENVIRONMENT and DEVELOPMENT*, vol. 11, pp. 29-40, 2015.

Rodrigues D. S., Ribeiro P., and Nogueira I., "Safety classification using GIS in decision-making process to define priority road interventions", *Journal of Transport Geography*, vol. 43, pp. 101-110, doi:10.1016/j.jtrangeo.2015.01.007, 2015.

Ramos R. A. R., Rodrigues D. S., and Tobias M. S. G., "Spatial Analysis of Accessibility to Support Decision-Making in Urban Investments: a case in Amazonia - Brazil", *3th WCTR - World Conference on Transport Research*, pp. 1-10, 2013.

Rodrigues D. S., Neiva C. L., and Ramos R. A. R., "A multicriteria model for evaluating conformity of travelling conditions for pedestrians with mobility constraints", *WSEAS Transactions on Environment and Development*, vol. 8, no. 3, pp. 71-83, 2012.

Ourng C., Rodrigues D. S., and Ramos R. A. R., "A GIS-based multi-criteria approach for finding urban growth directions: A case study in Siem Reap, Cambodia", *EED '12 - The 10th WSEAS International Conference on Environment, Ecosystems and Development*, vol. 1, no. 1, pp. 1-6, 2012.

Tobias M. S. G., Ramos R. A. R., Rodrigues D. S., and Sousa N. R. C., "Aspectos da mobilidade urbana em cidades do baixo amazonas: indicadores para elaboração de políticas públicas", Revista dos Transportes Públicos - ANTP, no. 129, pp. 71-84, 2011.

Rodrigues D. S., Ramos R. A. R., and Mendes J. F. G., "Multi-dimensional evaluation model of quality of life in Campus", WSEAS Transactions on Information Science and Applications, vol. 6, no. 12, pp. 1882-1892, 2009