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EDUCATION

- 2006-present** **Ph.D.** Geography (expected February, 2010)
University of Bonn, Center for Development Research (ZEF), Germany
Dissertation: Urban Segregation as a Complex System: An Agent-Based Simulation Approach (Advisor: Prof. Dr. Paul L. G. Vlek)
- 2003-2005** **M.Sc.** Remote Sensing
National Institute for Space Research (INPE), São José dos Campos, Brazil
Thesis: Spatial Indices for Measuring Residential Segregation: The Case of São José dos Campos, SP, Brazil
(Advisors: Prof. Dr. Gilberto Camara and Prof. Dr. Antonio Miguel V. Monteiro)
- 1997-2002** **B.A.** Architecture and Urban Planning
Federal University of Santa Catarina (UFSC), Florianópolis, Brazil
Final Project: City and Nature: The Role of Public Spaces in Lagoa da Conceição, Brazil
(Advisor: Prof. Dr. Alina G. Santiago)

COMPLEMENTARY EDUCATION

- 2008** *Santa Fe Institute, Santa Fe, USA*
Complex Systems Summer School
- 2008** *University of Koblenz, Koblenz, Germany*
ZUMA Advanced Workshop on Social Simulation
(Lecturers: Nigel Gilbert and Prof. Klaus Troitzsch)
- 2007** *University of Koblenz, Koblenz, Germany*
ZUMA Workshop on Social Simulation
(Lecturers: Nigel Gilbert and Prof. Klaus Troitzsch)
- 2007** *Center for Development Research, Bonn, Germany*
Development Policy Analysis and Development Economics
Microeconomics of Development, Macroeconomics of Development, Natural Resource Economics, and Econometrics.
- 2006** *Center for Development Research, Bonn, Germany*
Interdisciplinary Course 'Concepts and Theories of Development'
- 2006** *Center for Development Research, Bonn, Germany*
Learning Intercultural Competence
- 2005** *National Institute for Space Research, São José dos Campos, Brazil*
Data Mining
- 2004** *University Jaime I, Castellón, Spain*
International Postgraduate Course on Geographical Information Technologies

ACADEMIC AWARDS AND DISTINCTIONS

- DAAD PhD Scholarship (2006-2009)
- Santa Fe Institute Award, Complex Systems Summer School (2008)
- Institutional Research Program, PCI/CNPq Fellowship (2005-2006)
- CAPES M.Sc. Scholarship (2003-2005)
- EduGI.LA Fellowship, ALFA Project, European Union (2004)
- **Academic Merit Diploma, graduated first in the class – valedictorian**, Federal University of Santa Catarina (2002)
- DAAD Practical Traineeship (2001-2002)
- Scientific Initiation Program Fellowship, PIBIC/CNPq (2000-2001)
- Academic Excellence Awards, Federal University of Santa Catarina (Semester 2000/2, Semester 1999/2, and Semester 1999/1)
- Special Training Program Fellowship, PET/CAPES (1998-1999)

RESEARCH AND PRACTICAL EXPERIENCE

- 2006-present** *Center for Development Research, Bonn, Germany*
Junior Researcher
- 2005 - 2006** *National Institute for Space Research, São José dos Campos, Brazil*
Research Assistant
Research Project 'Spatial Measures for Representing Socio-Territorial Inequalities'
- 2004** *Institute of Statistics and Information Management, New University of Lisbon, Portugal*
Research Traineeship
Research Project 'Geo-Self-Organizing Mapping (GEO-SOM)'
- 2001-2002** *Geography Institute, Martin Luther University, Halle (Saale), Germany*
Research Traineeship, DAAD
Assistance to GIS projects
- 2000-2001** *Department of Architecture and Urban Planning,
Federal University of Santa Catarina, Florianópolis, Brazil*
Undergraduate Research Assistant, Scientific Initiation Program, CNPq
Research Project 'Natural and Built Landscape: The Case of Lagoa da Conceição, Brazil'
- 1999-2000** *T&C Associados – Landscape Architecture and Urban Projects, Florianópolis, Brazil*
Practical Traineeship
- 1998-1999** *Department of Architecture and Urban Planning,
Federal University of Santa Catarina, Florianópolis, Brazil*
Undergraduate Research Assistant, Special Training Program, PET/CAPES
Extension Project 'Technical Consultancy: Movement Pro-quality of Life in Pântano do Sul,
Florianópolis, Brazil'

TEACHING EXPERIENCE

- National Institute for Space Research, São José dos Campos, Brazil*
Graduate Programs in Remote Sensing and Computer Science
- 2007** **Agent-Based Modeling**, module of the course Modeling and Simulation of Terrestrial Systems
- 2005** **Spatial Regression Models**, module of the course Spatial Analysis of Geographical Data

PEER-REVIEW ACTIVITIES

Journal Reviewer for

- International Journal of Geographical Information Science
- Computers, Environment and Urban Systems
- Journal of Urban Affairs

LANGUAGES

- Portuguese (native)
- English (fluent)
- German (upper intermediate)
- Spanish (basic)

JOURNAL PAPERS AND BOOK CHAPTERS

- Feitosa, F. F., Le, Quang Bao, Vlek, Paul L. G. (submitted). Multi-Agent Simulator for Urban Segregation (MASUS): A Tool to Explore Alternatives for Promoting Inclusive Cities. *Computers, Environment and Urban Systems*. Special Issue on Visualization and Modeling of Spatial Phenomena.
- Feitosa, F. F., Câmara, G., Monteiro, A. M. V., Koschitzki, T., Silva, M. P. S. (2007). Global and Local Spatial Indices of Urban Segregation. *International Journal of Geographical Information Science*, Vol. 21, No. 3, pp. 299-323.
- Feitosa, F.F., Monteiro, A.M.V., Câmara, G. (2007). From Concepts to Measures: Building Spatial Indices of Urban Segregation. In: Almeida, C., Câmara, G., Monteiro, A.M.V. (Ed.) *Geoinformation for Urban and Regional Studies*. São Paulo: Oficina de Textos. (In Portuguese)

- Feitosa, F.F., Monteiro, A.M.V., Câmara, G. (2007). Compatibilization of Multi-Temporal Census Data Using LANDSAT Satellite Images. In: Almeida, C., Câmara, G., Monteiro, A.M.V. (Ed.) *Geoinformation for Urban and Regional Studies*. São Paulo: Oficina de Textos. (In Portuguese)
- Santiago, A.G., Feitosa, F.F., Bianchi, M.F., Rosa, M.M. (2002) Different Levels of Landscape Perception using GIS: The Case of Lagoa da Conceição, SC. *Paisagem e Ambiente - Ensaios*. São Paulo, v.14, pp. 171 – 186. (In Portuguese)

CONFERENCE PAPERS

- Feitosa, F. F., Le, Quang Bao, Vlek, Paul L. G. (2009). MASUS: A Multi-Agent Simulator for Urban Segregation. In: The Sixth Conference of the European Social Simulation Association, ESSA 2009, University of Surrey, Guilford, September.
- Rosemback, R., Monteiro, A. M. V., Feitosa, F. F., Ramos, F. R. (2009). Spatial Segregation in São José dos Campos and Jacareí. In: *XIV Brazilian Remote Sensing Symposium*, SBSR, Natal, April. (In Portuguese)
- Feitosa, F. F., Reyes, J., Zesk, W. E. (2008). Spatial Patterns of Residential Segregation: A Generative Model. In: *X Brazilian Symposium on Geoinformatics*, GeoInfo 2008, Rio de Janeiro, December.
- Aguiar, D. A., Silva, W. F., Feitosa, F. F., Goncalves, F. G., Rizzi, R., Rudorff, B. F. T. (2007). Spatial Analysis of sugar-cane crops in São Paulo State: The Influence of Precipitation Variability. In: *XIII Simpósio Brasileiro de Sensoriamento Remoto*, Florianópolis, April, pp. 2231-2238. (In Portuguese)
- Feitosa, F.F., Monteiro, A.M.V., Câmara, G. (2005) Compatibilization of Multi-Temporal Census Data Using LANDSAT Satellite Images. In: *XII Simpósio Brasileiro de Sensoriamento Remoto*, Goiânia, April, pp. 2657-2664. (In Portuguese)
- Pinho, C.M.D., Feitosa, F.F., Kux, H.J.H. (2005) Automatic Land-Cover Classification of IKONOS Images: A Comparison of Object-Oriented with Pixel-Based Techniques. In: *XII Simpósio Brasileiro de Sensoriamento Remoto*, Goiânia, April, pp. 4217-4224. (In Portuguese)
- Feitosa, F.F., Câmara, G., Monteiro, A.M.V., Koschitzki, T., Silva, M.P.S. (2004) Spatial Measurement of Residential Segregation. In: *VI Brazilian Symposium on Geoinformatics*, GeoInfo 2004, Campos do Jordão, November, pp. 59-73. **Best evaluated paper of the conference**
- Santiago, A.G., Uberti, A., Feitosa, F.F., Bianchi, M.F., Dorini, T. (2001) Towards a More Efficient Planning: Using GIS for Assessing Urban Vulnerability. In: *VII Conferência Ibero-Americana de Sistemas de Informações Geográficas*, Porto Alegre, November, pp. 104-111. (In Portuguese)
- Santiago, A.G., Feitosa, F.F., Bianchi, M.F., Rosa, M.M. (2001) Different Levels of Landscape Perception using GIS: The Case of Lagoa da Conceição, SC. In: *GIS Brasil 2001*, Curitiba. (In Portuguese)
- Santiago, A. G., Orth, D., Feitosa, F. F., Bianchi, M. F., Rosa, M. M. (2001) Landscape Perception in Lagoa da Conceição (Brazil). Paper presented in the *18th Conference on Passive and Low Energy Architecture – PLEA 2001*, Florianópolis.
- Santiago, A. G., Feitosa, F. F., Bianchi, M. F., Rosa, M. M. (2001) Searching for tools to study landscape perception: the case of 'Lagoa da Conceição' (Brazil). In: *7th CUPUM - International Conference on Computers in Urban Planning and Urban Management*, Honolulu.
- Santiago, A. G., Bianchi, M., Feitosa, F. F. (2001) Landscape Change and Tourism in Lagoa da Conceição. In: *V Encontro Nacional de Turismo com base Local - Políticas Públicas e o Lugar do Turismo*, Brasília. (In Portuguese)
- Santiago, A. G., Feitosa, F. F., Bianchi, M. F., Rosa, M. M. (2000). Building a Geographical Information System: A Didactical-Pedagogical Approach. In: *V Encontro Nacional de Ensino de Paisagismo nas Escolas de Arquitetura e Urbanismo do Brasil (V ENEPEA)*, Rio de Janeiro. (In Portuguese)

CONFERENCE ABSTRACTS

- Feitosa, F.F., Monteiro, A.M.V., Câmara, G. (2005) Residential Segregation Indices as Tools for Identifying Socially Vulnerable Families. In: *II Simpósio Nacional de Geografia da Saúde*, Rio de Janeiro. (In Portuguese). **Selected as the best poster of the category *Spatial segregation and social inequalities***
- Feitosa, F.F., Santiago, A. G. (2002). The Role of Streets in Enhancing the Urban Environment: A Proposal for Lagoa da Conceição, Florianópolis, SC. In: *ECOURBS 2002 - IV Congresso Internacional sobre Planejamento e Gestão Ambiental em Centros Urbanos*, Florianópolis, December, p.19. (In Portuguese)
- Feitosa, F.F., Santiago, A. G. (2002). Natural and Built Landscape: The Case of Lagoa da Conceição - Year II. In: *XI Seminário de Iniciação Científica*, Florianópolis, p. 81. (In Portuguese)

- Feitosa, F.F., Santiago, A. G. (2000). Natural and Built Landscape: The Case of Lagoa da Conceição - Year I. In: *X Seminário de Iniciação Científica*, Florianópolis, p. 74. (In Portuguese)
- Santiago, A. G., Ely, V. H. B., Oliveira, A. L., Feitosa, F. F., Klug, J. K., Rosa, M. M., Bianchi, M. F. (2000) Urban Design and Landscape. In: *I Semana de Ensino, Pesquisa e Extensão da UFSC*, Florianópolis, p. 54. (In Portuguese)
- Feitosa, F.F., Bueno, A. P. (1998). Social-Environmental Impacts of a Thematic Park: The Case of Penha, SC. In: *VIII Seminário de Iniciação Científica*. Florianópolis, p. 78. (In Portuguese)

RESEARCH REPORTS AND WORKING PAPERS

- Feitosa, F. F., Reyes, J., Zesk, W. E. (2008). Spatial Patterns of Residential Segregation: A Generative Model. *Working Paper*, Santa Fe Institute, Santa Fe, NM.
- Feitosa, F.F., Monteiro, A.M.V., Câmara, G. (2006) Urban Segregation Measures: Demands and Challenges. *Working Paper*. National Institute for Space Research, São José dos Campos. (In Portuguese)
- Feitosa, F.F., Wissmann, A. (2006). Social-mix Policy Approaches to Urban Segregation in Europe and the United States. *Interdisciplinary Term Paper*. Center for Development Research, Bonn.
- Feitosa, F.F., Câmara, G., Monteiro, A.M.V., Koschitzki, T., Silva, M.P.S. (2005) Residential Segregation Indices as Tools for Identifying Socially Vulnerable Families. *Research Report*. Human Dimensions of Global Environmental Change in Urban Areas of Latin America – a Network Approach, National Institute for Space Research, São José dos Campos.
- Feitosa, F.F., Santiago, A. (2001). Natural and Built Landscape: The Case of Lagoa da Conceição - Year II. *Research Report*. Department of Architecture and Urban Planning, Federal University of Santa Catarina. (In Portuguese)
- Feitosa, F.F., Santiago, A. (2000). Natural and Built Landscape: The Case of Lagoa da Conceição - Year I. *Research Report*. Department of Architecture and Urban Planning, Federal University of Santa Catarina. (In Portuguese)

MANUSCRIPTS IN PROGRESS

- Feitosa, F. F., Le, Quang Bao, Vlek, Paul L. G. (in preparation) Residential Choice, Segregation, and Neighborhood Types in São José dos Campos, Brazil: A Nested Logit Approach. *Urban Studies*.
- Feitosa, F. F., Câmara, G., Monteiro, A.M.V. (in preparation) Spatial Segregation Measures for Multi-Scale Analyses: Residential Segregation and Homicide Rates in São Paulo, Brazil. *The Professional Geographer*.
- Feitosa, F. F. (in preparation) Urban Segregation as a Complex System: An Agent-Based Simulation Approach. *Ecology and Development Series*.

PRESENTATIONS

- "Urban Segregation as a Complex System: A Multi-Agent Approach", ZEFc Seminar, Center for Development Research, Bonn, May 7th, 2009.
- "Urban Segregation: A Tale of N Cities". Complex System Summer School. Santa Fe Institute, Santa Fe, June 30th, 2008.
- "A Multi-Agent Model for Simulating Urban Segregation". ZUMA Advanced Simulation Workshop, University of Koblenz, Koblenz, April 10th, 2008.
- "Multi-Scale Analyses using Spatial Measures of Segregation" (Invited Talk). New Frontiers in the Field of Segregation Measurement and Analysis. Monte Verita, July 2nd, 2007.
- "Social-mix Policy Approaches to Urban Segregation in Europe and the United States". ZEF Seminar, Center for Development Research, Bonn, November 2nd, 2006.
- "Spatial Measurement of Residential Segregation", VI Brazilian Symposium on Geoinformatics, Campos do Jordão, November 22nd, 2004.
- "Building a Geographical Information System: A Didactical-Pedagogical Approach", *V Encontro Nacional de Ensino de Paisagismo nas Escolas de Arquitetura e Urbanismo do Brasil*, Rio de Janeiro, October 16th, 2000. (In Portuguese)

REFERENCES

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