

CURRICULUM VITA

*** Post Tenure

www.monicahaddad.net

1 – CANDIDATE INFORMATION

Name Mônica A. Haddad

Current Rank

Associate Professor, Department of Community and Regional Planning

Degrees Held

Ph.D. in Regional Planning, October 2003; University of Illinois at Urbana-Champaign
Dissertation: Human Development and Regional Inequalities: Spatial Analysis Across Brazilian Municipalities

Master of Urban Planning, January 2000; University of Illinois at Urbana-Champaign
Thesis: Metropolitan Management and Housing Policies: A Case Study in Brazil

Post Graduate Program “Lato Sensu”, Planning and Architectural Representations, 1996; Catholic University of Minas Gerais, Brazil

Bachelor of Architecture, 1988; Federal University of Minas Gerais, Brazil

Professional Experience

Academic Positions

August 2012 – Present

Associate Professor, Department of Community and Regional Planning, Iowa State University
Faculty member at the Graduate Program in Sustainable Agriculture.

August 2009 – May 2012

Associate Professor and GIS Extension Specialist, Department of Community and Regional Planning, Iowa State University (a 50% Teaching, 50% Extension position)

August 2003 – May 2009

Assistant Professor and GIS Extension Specialist, Department of Community and Regional Planning, Iowa State University (a 50% Teaching, 50% Extension position)

Spring, 2002

Instructor, Department of Geography, University of Illinois at Urbana-Champaign

Fall, 2001; August 1998 – May 2000; Spring, 1998

Research Assistant, Regional Economics Applications Laboratory (REAL), University of Illinois at Urbana-Champaign

June 2001 – July 2001

Visiting Research Fellow, Department of Economics and Production, Politecnico di Milano, Italy

August 2000 – May 2001

Research Assistant, Imaging Lab – Land Use Assessment Modeling (LEAM) Project, University of Illinois at Urbana-Champaign

Spring, 2000

Research Assistant, Geographic Modeling Systems Lab, University of Illinois at Urbana-Champaign

Other Positions

*** April 2015 – August 2015

Visiting Professor, School of Architecture, Federal University of Minas Gerais, Brazil.

*** January 2015 – March 2015

Research Fellow, Center for Latin America Research and Documentation, University of Amsterdam, Netherlands.

June 2000 – August 2000

Summer Intern, Latin America and the Caribbean Region Environmentally and Socially Sustainable Department (LCSES), World Bank, Washington D.C.

May 1998 – August 1998

Summer Intern, Department of Planning and Development, City of Dallas, TX

January 1990 – December 1996

Architect Director, TH Architecture, Belo Horizonte, Brazil

- Architectural and landscape design for an urban square at Campo Alegre, Brazil (1996)
- Residential project in Nova Lima, Brazil (1996)
- Architectural design standards for the Urban Development Program of Bahia, Brazil (1995)
- Architectural design competition for the Cultural Center Usiminas at Ipatinga, Brazil (1995)
- Architectural and landscape design for a leisure area at the Educational Center Itabira, Brazil (1995)
- Conceptual architectural design for a daycare and leisure area at Vila Acaba Mundo, Brazil (1992)
- National architectural competition for the Belo Horizonte Art Museum, Brazil (1990)

2 - SCHOLARSHIP**Refereed Journal Articles**

- *** **Haddad, M.** (2020). Residential income segregation and commuting in a Latin American city. *Applied Geography, 117*, 102186.
- *** **Haddad, M.,** & Hellyer, J. (2018). Decent Work and Social Protection in Belo Horizonte, Brazil. *Journal of Planning Education and Research, 38*(1), 86-97.
- *** **Haddad, M.,** Freguglia, R., & Gomes, C. (2017). Public Spending and Quality of Education in Brazil. *The Journal of Development Studies, 53*(10), 1679-1696.
- *** Rongerude, J., & **Haddad, M.** (2016). Cores and Peripheries: Spatial Analysis of Housing Choice Voucher Distribution in the San Francisco Bay Area Region, 2000-2010. *Housing Policy Debate, 26*(3), 417-436.
- *** Macedo, J., & **Haddad, M.** (2016). Equitable distribution of open space: Using spatial analysis to evaluate urban parks in Curitiba, Brazil. *Environment and Planning B: Planning and Design, 43*(6), 1096-1117.
- *** **Haddad, M.** (2015). A Framework for Urban Environmental Planning in Brazil. *European Review of Latin American and Caribbean Studies / Revista Europea De Estudios Latinoamericanos Y Del Caribe, 99*, 113-125.
- *** Pandey, P., Soupir, M., **Haddad, M.,** & Rothwell, J. (2012). Assessing the impacts of watershed indexes and precipitation on spatial in-stream E. coli concentrations. *Ecological Indicators, 23*, 641-652.
- *** **Haddad, M.,** & Fava, A. (2011). Bolsa Família and School Attendance: Does Accessibility Matter?. *Journal of Latin America Urban Studies, 9*, 26-41. Special issue covering the University of Florida Center for Latin American Studies, 58th Annual Conference in 2009.
- *** **Haddad, M. A.,** Taylor, G., & Owusu, F. (2010). Locational Choices of the Ethanol Industry in the Midwest Corn Belt. *Economic Development Quarterly, 24*(1), 74–86.
- Haddad, M.,** Anderson, P., Thol, S., Hertel, C., & Schmidt, B. (2009). Assessing the Future of the Bioeconomy in Greene County, Iowa. *Journal of Rural and Community Development, 4*(1).
- Haddad, M.,** & Anderson, P. (2008). A GIS methodology to identify potential corn stover collection locations. *Biomass and Bioenergy, 32*(12), 1097-1108.
- Haddad, M.,** & Alsbury, T. (2008). Using spatial analyses to examine student proficiency: Guiding district consolidation and reform policy decisions. *Planning and Changing, 39*(1/2), 98-126.

Haddad, M. (2008). Bolsa Família and the needy: is allocation contributing to equity in Brazil?. *Journal of International Development: The Journal of the Development Studies Association*, 20(5), 654-669.

Haddad, M., & Nedović-Budić, Z. (2006). Using spatial statistics to analyze intra-urban inequalities and public intervention in São Paulo, Brazil. *Journal of Human Development*, 7(1), 85-109.

Journal Articles (Not Refereed)

*** **Haddad, M.,** Xavier, F. V., & Hou, Y. (2018). Participação Pública e Potencialidade de Locais: Inovações de Modelos de Avaliação. *Geografía y Sistemas de Información Geográfica (GEOSIG)*, 10, 137–149.

*** Carvalho, G. A., Moura, A. C. M., & **Haddad, M. A.** (2016). Avaliação da expansão da infraestrutura em esgotamento sanitário na mancha conurbada da Região Metropolitana de Belo Horizonte: 2000 a 2010. *Revista Brasileira de Cartografia*, 68, 163-179.

Articles Under Review

*** **Haddad, M.,** Moura, A. C., Cook, V., & Lima e Lima, T. The Social Dimensions of the Iron Quadrangle Region: A Geodesign Experience [Article submitted to *The Professional Geographer*].

*** Poleacovschi, C., True-Funk, A., **Haddad, M.,** & Peters, D. Resilient Micropolitan Areas in the Face of Economic Shocks: A Stakeholder Collaborative Agency Perspective [Article submitted to *Engineering Project Organization Journal*].

Articles in Preparation

*** **Haddad, M.,** Poleacovschi, C., & Ballesteros, L. Examination of social networks, the built environment and healthy habits in a neighborhood [Article in preparation for submission to *Landscape and Urban Planning*].

*** Sanchez, M., **Haddad, M.,** Christman, Z., & Pearsall, H. Using Google Street View to examine green gentrification: A case study in Chile [Article in preparation for submission to *Cities*].

Book Chapters

*** **Haddad, M.** (2018). Open space provision and environmental preservation strategies: A case study in Brazil. In G. Bhan, S. Srinivas, & V. Watson (Eds.) *Routledge Companion to Planning in the Global South* (pp. 192-203). Routledge.

*** Hou, Y., & **Haddad, M.** (2018). Site suitability and public participation: a study of bike sharing stations in a college town. In R. Berney (Ed.) *Bicycle Urbanism: Reimagining Bicycle Friendly Cities* (pp. 160-179). Routledge.

- *** **Haddad, M.** (2016). Análise Exploratória de Dados Espaciais: Suporte aos estudos urbanos com ênfase nos padrões de distribuição. A. C. M. Moura (Ed.), *Tecnologias da geoinformação para representar e planejar o território urbano* (pp. 133-155). Interciência.
- Haddad, M.** (2009). Examining the Spatial Distribution of Urban Indicators in São Paulo, Brazil: Do Spatial Effects Matter?. In M. J. Sirgy, R. Phillips, & D. R. Rahtz (Eds.), *Community Quality-of-Life Indicators: Best Cases III* (pp. 99-121). Springer.
- Haddad, M.** (2008). A Spatial Analysis of Bolsa Família: Is Allocation Targeting the Needy?. In J. Love & W. Baer (Eds.), *Brazil Under Lula* (pp. 187-203). Palgrave Macmillan.
- Kilkenny, M., & **Haddad, M.** (2008). Rural Human Capital Development. In J. Wu, P. W. Barkley, & B. Weber (Eds.), *Frontiers in Resource and Rural Economics: Human-nature, Rural-urban Interdependencies* (pp. 132-149). Resources for the Future Press.
- Haddad, M.** (2007). Examining the Spatial Distribution of Urban Indicators in São Paulo, Brazil: Do Spatial Effects Matter? In M. Joseph Sirgy, R. Phillips, & D. R. Rahtz (Eds.), *Community Quality-of-Life Indicators* (pp. 102-124). International Society for Quality-of-Life Studies.
- Conference Proceedings**
- *** True-Funk, A., Poleacovschi, C., **Haddad, M.**, & Peters D. (2020). Recovery from the economic shocks: Social capital's role in economic Resiliency. *Construction Research Congress*. Tempe, AZ, United States.
- *** Poleacovschi, C., **Haddad, M.**, Peters, D., Purkiss, C., and Weatherly, J (2019). A holistic study of resilient micropolitan cities in the face of economic shocks. *7th International Construction Conference*.
- *** Rotolo, M., **Haddad, M.**, Sun, Y., Giménez-Lirola, L., Bade, S., Baum, D., Gauger, P., Hoogland, M., Main, R., & Zimmerman, J. (2016). Spatial autocorrelation and implications for oral fluid-based PRRSV surveillance. *Proc 97th Ann Meet Conference of Research Workers in Animal Diseases*. https://crwad.org/wp-content/uploads/2017/12/CRWAD_Proceedings_2016.pdf
- *** Rotolo, M., **Haddad, M.**, Sun, Y., Giménez-Lirola, L., Bade, S., Baum, D., Gauger, P., Hoogland, M., Main, R., & Zimmerman, J. (2016). Spatial autocorrelation and implications for oral fluid-based PRRSV surveillance. *Proc North American PRRS Symposium*. <https://vetmed.illinois.edu/wp-content/uploads/2020/03/2016-proceedings.pdf>
- *** Carvalho, G., **Haddad, M.**, & Mourão, A. C. (2014). Comparação entre o crescimento da mancha urbana e a expansão da infra-estrutura de esgotamento sanitário na região metropolitana de Belo Horizonte. *Anais do XXVI Congresso Brasileiro de Cartografia*.

- *** Fonseca, B., Mourão, A. C., & **Haddad, M.** (2014). Definição de áreas prioritárias para conservação na borda nordeste do Quadrilátero Ferrífero por meio da análise de multicritérios em ambiente SIG com vistas ao processo de Geodesign. *Anais do XXVI Congresso Brasileiro de Cartografia*.
- *** Thol, S., **Haddad, M.**, and Taylor, G. (2013). Bridging metropolitan growth and regional zoning in Greater Des Moines, Iowa U.S. *Computers in Urban Planning and Urban Management 2013 Conference Papers*. <https://cupum2013.geo.uu.nl/download/usb/contents/windows/index.html>

Research and Professional Reports (Extension-related)

- *** **Haddad, M.**, Thol, S., Sandoval-Green, C., & Al-Saygh, A. (2013). *Identifying Optimal Corn Stover Storage Sites in Central Iowa*. DuPont.
- *** **Haddad, M.**, Freeseemann, N., Mendez, J., Peterson, J., & Sloss, C. (2011). Archival Documentary Analysis for eight communities named: Cedar Rapids, Charles City, Columbus Junction, Coralville, Iowa City, Mason City, Waterloo, and Waverly. *Housing Needs Assessment Model Development*. Iowa Finance Authority.
- *** UERP – Regional Land Use Approach to Northeast Iowa; Spring 2010 developed by CRP 481/581 students under guidance of **Mônica Haddad**.
- *** SIMPCO – Bicycle and Pedestrian Trail System to Sioux City MPO; Spring 2010 developed by CRP 481/581 students under guidance of **Mônica Haddad**.
- *** Region XII – New Strategies to Region XII Regional Economic Development; Spring 2010 developed by CRP 481/581 students under guidance of **Mônica Haddad**.
- “Downtown Waukee Master Plan” Fall 2008 developed by CRP 532 students under guidance of **Mônica Haddad**; the plan was adopted by the city in Spring 2009.
- Haddad, M.**, Anderson, P. F., & Hertel, C. (2007). *A Participatory Approach to Assess the Future of the Bioeconomy in Greene County: Pilot Study for Iowa*. Greene County Development Corporation, Iowa Energy Center, & Leopold Center for Sustainable Agriculture. 238 pages.
- Haddad, M.**, & Nack, D. (2006). Developing a Land Parcel Geodatabase for the City of Hawarden, Iowa. *GIS Diagnostics Phase I*. City of Hawarden. 39 pages.
- Haddad, M.**, Anderson P. F., Brown, P., & Wei, L. (2005). *GIS Site Suitability Modeling to Identify Potential Corn Stover Collection Sites and Processing Plant Locations in Northern Iowa*. Iowa Northern Railway Company & Mells Industries. 63 pages.
- Haddad, M.** (2004). *Site Selection Criteria for the Swaledale Bio Village Project*. Swaledale Economic Development Committee.

Invited Book Review

- *** **Haddad, M.** (2020). Review of *Advancing Equity Planning Now* by Krumholz, N., & Hexter, K. W. (Eds.) *Economic Development Quarterly*, 34(1), 87-89.
- *** **Haddad, M.** (2015). Review of *A Framework for Geodesign: Changing Geography by Design* by Carl Steinitz. *Journal of Planning Education and Research*, 35(2), 228-230.

Haddad, M. (2007). Review of *Mastering ArcGIS* by Maribeth Price. *Photogrammetric Engineering and Remote Sensing*, 73(5), 500.

Extension Publications

Haddad, M. (2006). *GIS Diagnostics Program: Beyond Mapping – Using GIS to Enhance Planning Tasks*. Iowa State University Publication. 4 pages.

Articles in Professional Publications

Haddad, M. (2006). GIS Diagnostics: A New ISU Extension Program. *The Iowa County*.

Abstract Publication

Haddad, M. (2005). Using spatial Statistics to Analyze Intra-Urban Inequalities and Public Intervention in São Paulo in Susan E. Batty (ed.), *CUPUM 05 – Abstracts of the International Conference, London 2005*. Center for Advanced Spatial Analysis, University College London, pp. 241, (Zorica Nedović-Budić, co-author).

GIS Tutorials (Extension-related)

*** **Haddad, M.** (2014). *Tutorial for the APA GIS Workshop Addressing Development and Planning Issues with GIS*.

*** **Haddad, M., & Thol, S.** (2013). *Tutorial for the APA GIS Workshop Beyond Simple Mapping*.

*** **Haddad, M., & Thol, S.** (2012). *Tutorial for the APA GIS Workshop Spatial Exploration of the 2010 Census*.

Haddad, M. (2008). *Tutorials for the advanced GIS class (CRP 452/552)*.

Haddad, M., & Miciunas, C. (2008). *Tutorials for the Public Works Geodatabase Workshop*. City of Hawarden, IA.

Haddad, M., & Thol, S. (2008). *Tutorial for the Geocoding Workshop*. Iowa Department of Revenue.

Haddad, M. (2007). *Tutorials for the High Schools' GIS class*. Mid-Prairie High School, Wellman; Washington High School, Washington; and Columbus High School, Columbus Junction.

Haddad, M., Nack, D. (2006). *Tutorials for the Land Parcel Geodatabase Workshop*. City of Hawarden, IA.

Conference Presentations

- *** **Haddad, M.**, Poleacovschi, C., & Ballesteros, L. (2019, Nov. 14-16). *Examination of Social Networks, the Built Environment and Health Habits in a Neighborhood* [Presentation]. 66th NARSC Meeting, Pittsburgh, PE, United States.
- *** Sanchez, M., **Haddad, M.**, Christman, Z., & Pearsall, H. (2019, Nov. 14-16). *Using Google Street View to Examine Green Gentrification: a Case Study in Chile* [Presentation]. 66th NARSC Meeting, Pittsburgh, PE, United States.
- *** Ramasubramanian, L., Bailey, A., Drummond, W., **Haddad, M.**, Le, H., Masoomkhah, E., & Van Zandt, S. (2019, Oct. 23-27). *Examining Present and Future Challenges/Opportunities for Academic Women in the Geo-Spatial Sciences* [Roundtable]. 59th Association of Collegiate School of Planning (ACSP) Annual Conference, Greenville, SC, United States.
- *** **Haddad, M.**, Poleacovschi, C., & Ballesteros, L. (2019, Oct. 23-27). *Linking neighborhood planning and healthy habits: A case study of the built environment in Des Moines, IA* [Presentation]. 59th Association of Collegiate School of Planning (ACSP) Annual Conference, Greenville, SC, United States.
- *** Poleacovschi, C., Peters, D., **Haddad, M.**, Purkiss, C., & Weatherly, J. (2019, June 12-15). *A holistic study of resilient micropolitan cities in the face of economic shocks* [Presentation]. 7th International Construction Conference, Laval, QC, Canada
- *** **Haddad, M.**, Poleacovschi, C., Peters, D., & Davis, E. (2018, Nov. 7-10). *Examination of Economic Resilience and Regional Capacity in the Midwest* [Presentation]. 65th NARSC Meeting, San Antonio, TX, United States.
- *** **Haddad, M.**, & Hou, Y. (2017, Dec. 11-14). *Community participation and site suitability: Searching for innovation in Evaluation Models* [Presentation]. GeoDesign South America 2017, Belo Horizonte, Brazil.
- *** **Haddad, M.**, Naumann, K., & Garland, S. (2017, Oct. 12-15). *Climate change, water and sanitation: learning from the global south* [Presentation]. 57th Association of Collegiate School of Planning (ACSP) Annual Conference, Denver, CO, United States.
- *** **Haddad, M.** (2016, Nov. 9-12) *Commuting in a Residential Segregated Region: Implications for the Urban Poor* [Presentation]. 63rd Annual North American Meetings of Regional Science Association International, Minneapolis, MN, United States.
- *** Lamont, S., Larson, L., Sundararajan, S., & **Haddad, M.** (2016, May 22-24). *Institutionalizing ADVANCE: Successes and Challenges of Expanding Equity Advisors to All Colleges* [Presentation]. ADVANCE/GSE Program Workshop, Baltimore, MD, United States.

- *** Rotolo, M., **Haddad, M.**, Sun, Y., Giménez-Lirola, L., Bade, S., Baum, D., Gauger, P., Hoogland, M., Main, R., & Zimmerman, J. (2016, Dec. 6). *Spatial autocorrelation and implications for oral fluid-based PRRSV surveillance* [Presentation]. 97th Ann Meet Conference of Research Workers in Animal Diseases, Chicago, IL, United States.
- *** **Haddad, M.** (2016, Jan 21). *Decent work and social protection in Belo Horizonte, Brazil* [Presentation]. Center for Excellence in the Arts and Humanities Research Summit, Ames, IA, United States.
- *** **Haddad, M.**, & Moura, A. C. M. (2015, Nov. 11-14). *A Framework to examine the environmental dimension of urbanization in Brazil* [Presentation]. 62nd Annual North American Meetings of Regional Science Association International, Portland, OR, United States.
- *** **Haddad, M.**, & Hellyer, J. (2015, Oct. 22-25). *Decent work and social protection in Belo Horizonte, Brazil* [Presentation]. 55th Association of Collegiate School of Planning (ACSP) Annual Conference, Houston, TX, United States.
- *** **Haddad, M.**, Carvalho, G., & Moura, A. M. C. (2014, Nov. 13-16). *Comparing Urban Growth and Infrastructure Expansion in a Brazilian Metropolitan Region* [Presentation]. 61th Annual North American Meetings of Regional Science Association International. Washington, DC, United States.
- *** **Haddad, M.**, & Rongerude, J. (2013, Nov. 13-16). *HCV Voucher Distribution in the San Francisco Bay Area Region, 2000 - 2010* [Presentation]. 60th Annual North American Meetings of Regional Science Association International, Atlanta, GA, United States.
- *** **Haddad, M.**, Thol, S., & Taylor, G. (2013, July 2-5). *Bridging metropolitan growth and regional zoning in Greater Des Moines, Iowa, U.S.* [Presentation]. 13th International Conference on Computers in Urban Planning and Urban Management, Utrecht, Netherlands.
- *** **Haddad, M.**, & Macedo, J. (2013, July 15-19). *Equitable Distribution of Open Space: Using Spatial Analysis to Evaluate Urban Parks in Curitiba, Brazil* [Presentation]. Joint AESOP/ACSP Congress, Dublin, Ireland.
- *** Hou, Y., & **Haddad, M.** (2013, June 19-22) *A Site Suitability Study for Bike sharing in a College Town* [Presentation]. Bicycle Urbanism Symposium, Seattle, WA, United States.
- *** **Haddad, M.**, & Thol, S. (2013, Apr 2-4). *Bridging metropolitan growth and regional zoning in Greater Des Moines, Iowa U.S.* [Presentation]. 11th Biennial Iowa Geographic Information Council Conference, Cedar Rapids, IA, United States

- *** **Haddad, M.**, & Barufi, A. M. (2012, Nov. 7-10). *Spatial Municipal Analysis of Education Inequality in Brazil, 2000-2010* [Presentation]. 59th Annual North American Meetings of Regional Science Association International, Ottawa, ON, Canada.
- *** Taylor, G., & **Haddad, M.** (2012, Oct. 31-Nov. 2). *An Uniform Zoning Classification for the Des Moines Metro Area* [Presentation]. APA Iowa Chapter Conference, Ames, IA, United States.
- *** **Haddad, M.**, & Basmajian, C. (2012, Oct. 31-Nov. 2). *Regional Coordination and Governance Case Studies: Examples for The Tomorrow Plan* [Presentation]. APA Iowa Chapter Conference, Ames, IA, United States.
- *** Pandey, P., Soupir, M., **Haddad, M.**, & Rothwell, J. (2012, Mar. 26-28). *Assessing the impacts of watershed indexes and precipitation on spatial in-stream E. coli concentrations* [Presentation]. 2012 AWRA Spring Specialty Conference, New Orleans, LA, United States.
- *** **Haddad, M.**, Freguglia, R., & Gomes, C. (2011, Nov. 9-12). *Quality of Education and Public Resources Allocation in Brazil* [Presentation]. 58th Annual North American Meetings of Regional Science Association International, Miami, FL, United States.
- *** **Haddad, M.**, Freguglia, R., & Gomes, C. (2011, Oct. 13-16). *Quality of Education and Public Resources Allocation in Brazil* [Presentation]. 52nd Association of Collegiate School of Planning (ACSP) Annual Conference, Salt Lake City, UT, United States.
- *** **Haddad, M.**, & Sandoval, G. (2010, Oct. 7-11). *Latino Education in the American Midwest: Impacts on Public School Districts' Performance* [Presentation]. 51th Association of Collegiate School of Planning (ACSP) Annual Conference, Minneapolis, MN, United States.
- *** **Haddad, M.** (2009, Oct. 1-4). *Do Poverty Alleviation Strategies Match Social Need? A Case Study of Cash Assistance in Iowa* [Presentation]. 50th Association of Collegiate School of Planning (ACSP) Annual Conference, Crystal City, VA, United States.
- Haddad, M.**, & Fava, Ana. (2009, Jan. 28-30). *Bolsa Família and School Attendance: Does Accessibility Matter?* [Presentation]. 58th Annual Center for Latin American Studies Conference, The Urban Divide in Latin America: Challenges and Strategies for Social Inclusion, Gainesville, FL, January 2009 (Ana Fava, co-author).
- Haddad, M.**, & Jeske, K. Q. (2008, July 6-11). *Re-visiting Neighborhood Indicators: An Application for the City of Des Moines* [Presentation]. Association of Collegiate Schools of Planning (ACSP) and the Association of European Schools of Planning (AESOP) Fourth Joint Congress, Chicago, IL, United States.

- Haddad, M.**, Taylor, G., & Owusu, F. (2008, May 14). *Plant Location Factors of the Ethanol Industry* [Presentation]. Town/Craft Biofuels and the Rural Economy Roundtable, Perry, IA, United States.
- Haddad, M.**, Taylor, G., & Owusu, F. (2008, Apr. 15-19). *Why Do Ethanol Plants Locate Where They Do? Locational Choices of Ethanol Refineries in the American Midwest* [Presentation]. Annual Meeting of the Association of American Geographers, Boston, MA, United States.
- Haddad, M.**, & Alsbury, T. (2008, Mar. 24-28). *The Politics of Geography, Achievement, and Urban Education* [Presentation]. American Educational Research Association Annual Meeting, New York, NY, United States.
- Haddad, M.** (2007, Oct. 18-21). *Cash Transfer and the Needy: Is Allocation Equitable in Brazil?* [Presentation]. 48th Association of Collegiate School of Planning Annual Conference, Milwaukee, WI, United States.
- Haddad, M.**, & Delmonico, K. (2007, Apr.). *Social Programs and the Needy: Is Allocation Equitable in Iowa?* [Presentation]. 8th Biennial GIS Conference – Iowa Geographic Information Council, Sioux City, IA, United States.
- Haddad, M.**, & Santos, R. A. C. (2006, Nov. 16-18). *A Spatial Approach to Assess Student Performance from Rural and Urban Schools in Brazil* [Presentation]. 53rd Annual North American Meeting of the Regional Science Association International, Toronto, ON, Canada.
- Haddad, M.**, & Santos, R. A. C. (2005, Nov. 10-12). *Comparing Student Performance from Rural and Urban Public Schools in Brazil: An Econometric Approach* [Presentation]. 52nd Annual North American Meeting of the Regional Science Association International, Las Vegas, NV, United States.
- Haddad, M.**, & Anderson, P. F. (2005, Sep.). *GIS Site Suitability Modeling to Identify Potential Corn Stover Collection Sites in Northern Iowa* [Presentation] 7th Biennial GIS Conference – Iowa Geographic Information Council, Ames, IA, United States.
- Haddad, M.**, & Nedović-Budić, Z. (2005, July). *Using Spatial Statistics to Analyze Intra-urban Inequalities and Public Intervention in São Paulo* [Presentation]. 9th International Conference on Computers in Urban Planning and Urban Management (CUPUM 05), London. United Kingdom.
- Haddad, M.**, & Caragea, P. (2005, Feb.) *Spatial Analysis for Public School Decision Support* [Presentation]. National Association of Community Development Extension Professionals (NACDEP), Las Vegas, NV, United States.
- Haddad, M.**, Le Gallo, J., & Guillain, R. (2004, Nov. 12). *Spatial Analysis of Employment Centers: A Comparative Approach of US Metropolitan Areas (1990 - 2000)* [Presentation]. 51st Annual

North American Meeting of the Regional Science Association International, Seattle, WA, United States.

Haddad, M., & Kilkenny, M. (2004, Oct. 21-24). *Growth and the Density of Public Expenditure* [Presentation]. 45th Association of Collegiate Schools of Planning (ACSP) Conference, Portland, OR, United States.

Haddad, M. (2003, Nov. 22). *Human Development and Regional Inequalities: A Spatial Econometrics Analysis Across Brazilian Municipalities* [Presentation]. 50th Annual North American Meeting of the Regional Science Association International, Philadelphia, PA, United States.

Haddad, M. (2003, Apr.). *An Exploratory Spatial Data Analysis of Human Development in Brazil, 1970-2000* [Presentation]. 42nd Southern Regional Science Association Meeting, Louisville, KY, United States.

Haddad, M. (2002, Nov. 21-24). *Human Development in the Face of Regional Inequalities: The Case of Brazil* [Presentation]. 44th Association of Collegiate Schools of Planning (ACSP) Conference, Baltimore, MD, United States.

Haddad, M. (2002, Dec.). *Developing a System for Socially Related Investments* [Presentation]. Hewlett/Brazil Project Semi Annual Workshop, Urbana, IL, United States.

Haddad, M. (2002, Aug.). *Spatial Human Development Index: A Useful Tool for Planning?* [Presentation]. Hewlett/Brazil Project Annual Workshop, Rio de Janeiro, Brazil.

Poster

*** **Haddad, M.**, & Magalhães, L. (2018, May 22-24). *Towards healthy cities: A spatial analysis of prevalence of diseases* [Poster presentation]. UCGIS Symposium, Madison, WI, United States.

*** Rotolo, M., **Haddad, M.**, Sun, Y., Giménez-Lirola, L., Bade, S., Baum, D., Gauger, P., Hoogland, M., Main, R., & Zimmerman, J. (2016, Dec. 3-4). *Spatial autocorrelation and implications for oral fluid-based PRRSV surveillance* [Poster presentation]. North American PRRS Symposium. Chicago, Illinois, United States.

*** **Haddad, M.**, & Barufi, A. M. (2013, July 2-5). *Spatial Municipal Analysis of Education Inequality in Brazil, 2000-2010* [Poster presentation]. 13th International Conference on Computers in Urban Planning and Urban Management. Utrecht, Netherlands.

Haddad, M., & Caragea, P. (2005, July). *Exploratory Spatial Data Analysis of the Distribution of Student Performance and Some of Its Correlates* [Poster presentation]. 9th International Conference on Computers in Urban Planning and Urban Management (CUPUM 05). London, United Kingdom.

Haddad, M. (2004, Mar.). *Reducing Intra-Urban Inequalities: Spatial Analysis of Public Intervention* [Poster presentation]. Faculty Exhibition at the College of Design, Ames, IA, United States.

Grants for Research – Funded

*** Wagner, A. (graduate student/PI), **Haddad, M.** (Co-PI) . (2019, Apr.) A Comparative Analysis of Iowa Watershed Organizations: Structure, Function, and Social Infrastructure. North Central Region Sustainable Agriculture Research and Education Program, \$15,000 (funded).

*** **Haddad, M.** (PI), Poleacovschi, C. (Co-PI), Vazou, S. (Co-PI), & Westort, C. (Co-PI). (2018, Feb.). *Towards Healthy Cities: Introducing a socio-spatial integrative framework for obesity*. ISU U-TuRN, \$5,000 (funded).

*** Poleacovschi, C. (PI), **Haddad, M.** (Co-PI), Peters, D., & Rozier, E. (2017, Oct.). *Resilient Micropolitan Areas: Evaluating Coping Mechanisms after Economic shocks*. ISU Presidential Interdisciplinary Research Seed Grant Program (PIRS), \$44,351 (funded).

*** **Haddad, M.** (2012, May). *Examining Social Protection and Decent Work in Belo Horizonte, Brazil*. The ISU Center for Excellence in the Arts and Humanities, \$5,000 (funded).

2004, Summer. Caragea, P. (PI), & **Haddad, M.** (Co-PI). *Spatial Analysis for Local Public Finance Decision Support*. Iowa State University President's Grant for New Faculty, \$11,600.

Grants for Research – Work in progress

*** Dong, J. (PI), **Haddad, M.** (Co-PI), Bartalotti, O. (Co-PI), & Shaw, J. (forthcoming, July 1st 2020). A Shared Mobility Approach to Uncover Latent Transit Demand in Des Moines. National Science Foundation, \$50,000 (pending).

Grants for Research – Unfunded

*** **Haddad, M.** (PI), Hu, G. (Co-PI), Pearsall, H. (Co-PI), & Christman, Z. (Co-PI). (2020, Mar.). *Collaborative Research: Using machine learning to estimate fine-scale urban socio-economic characteristics in the Global South*. National Science Foundation, \$203,673 (not funded).

*** Rehmann, C.R. (PI), Rutherford, C.J. (PI), Ikuma, K., Poleacovschi, C., Alipour, A., Smadi, O., Wang, Y., Swenson, D., Shenk, L., Karabulut-Ilgü, A., **Haddad, M.**, & Franz, K. (2019, Aug.). *REU Site: Building Resilient Infrastructure in Small Communities (BRISC)*. National Science Foundation, \$404,715 (not funded).

*** **Haddad, M.** (PI), Gomes, C. (Co-PI), & Oberhauser, A. M. (Co-PI). (2019, Feb.). *Expanding Public Participation among Women in Brazil through Water Quality Sensors*. ISU Bridging the Divide, \$50,000 (not funded).

- *** **Haddad, M.** (Co-PI), & Pearsall, H. (Co-PI). (2018, Sep.). *A Critical Examination of Green Gentrification in Latin American Cities*. National Science Foundation, \$400,000 (not funded).
- *** Peyroux, E. (PI), **Haddad, M.** (Co-PI), Pfeffer, K., & Manimegalai, V. (2017, Apr.). *Geo-technologies, urban governance and the politics of sustainability in Southern cities*. Consortium of four universities located in four different countries Belmont-NSF, €179,623 for ISU (not funded).
- *** Bruna, K., & **Haddad, M.** (2012, Feb.). *The Integration of Latino Immigrants in Iowa's Schools: Understanding and Enhancing Institutional and Instructional Capacity for Academic Success*. Roy J. Carver Charitable Trust, \$283,093 (not funded).

Honors and Awards

- *** 2020, Mar. 10-27. Invited research project – Social Dimension in GeoDesign. Travel to Federal University of Minas Gerais, \$1,800.
- *** 2018. Academic Advising Award. College of Design, Iowa State University.
- *** 2017, Dec. Foreign Travel Grant to present a paper and to chair the session on 'Spatial Analysis and Visualization' at the conference *GeoDesign South America*. Belo Horizonte, Brazil. Iowa State University, \$1,407.
- *** **Haddad, M.**, Caldwell, B., Kennis, A., & Chidister, M. (2016). *Expanding Diversity Perspectives: A Curriculum Workshop*. Iowa State University Women's and Diversity Grant Program Application, \$5,000.
- *** 2015, Spring. *Urban planning tools in Brazil: Moving towards environmental protection*. Faculty Professional Development Assignment (Sabbatical).
- *** 2015, Jan.-Apr. Foreign Travel Grant to be a Research Fellow at the Center for Latin America Research and Documentation, University of Amsterdam, Netherlands. Iowa State University, \$750.
- *** 2012, Apr. 12-21. Big 12 Fellowship at the University of Texas – Austin, Population Research Center, \$1,700.
2009. *Bringing Environmental Sustainability Issues to Iowa Planning Arena*. 2008-2009 CRP-LA Research/Scholarship Incentive Grant, \$4,234.
- 2005, July. Foreign Travel Grant to present at the 9th International Conference on Computers in Urban Planning and Urban Management (CUPUM 05), London, UK. Iowa State University, \$690.

2004, May. Outstanding Ph.D. Award. Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign.

2002, Nov. Conference Travel Grant to present at the 44th Association of Collegiate Schools of Planning (ACSP) Conference, Baltimore, MD. Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign, \$250.

2002, Nov. Conference Travel Grant to present at the 44th Association of Collegiate Schools of Planning (ACSP) Conference, Baltimore, MD. Graduate College, University of Illinois at Urbana-Champaign, \$250.

2003, Summer. Travel Grant to collect data for my Ph.D. dissertation in Brazil. Hewlett Foundation, \$3,400.

1999, Apr. Travel Grant to conduct interviews for my Master's thesis. Center for Latin American and Caribbean Studies, University of Illinois at Urbana-Champaign, \$2,000.

1999, Apr. Travel Grant to conduct interviews for my Master's thesis. Graduate College, University of Illinois and Urbana-Champaign, \$250.

1998, Oct.-1999, Feb. Student representative on the search committee for a new faculty member in International Planning. Department of Urban and Regional Planning, University of Illinois at Urbana-Champaign.

1996, July. Prize winning proposal for the architectural design of a 38 duplex house neighborhood, Mainz, Germany.

1994, Summer. Gold Medal BIAB '94 at the International Forum of Young Architects, Recife, Brazil.

1991. Special Mention from the Jury of the National Architectural Competition: Brazilian Pavilion World Expo Sevilla92 in Seville, Spain.

1987, Feb.-1988, Feb. Research Fellowship (CNPq). *The Examination of the Norberg-Schulz's Spatial Concepts Focusing on the History of Architecture*. Federal University of Minas Gerais.

In the News

*** West, T. K. (2019, Dec. 15). City of Adel Downtown Plan Presentation set for Dec. 17. Dallas County News. <https://www.adelnews.com/news/20191215/city-of-adel-downtown-plan-presentation-set-for-dec-17>

*** Godfrey, E. (2014, Jan. 30). Social justice class gives students hands-on opportunities. Iowa State Daily. https://www.iowastatedaily.com/news/social-justice-class-gives-students-hands-on-opportunities/article_4e73662e-8945-11e3-86c0-001a4bcf887a.html

3 - POSITION RESPONSIBILITIES: EXTENSION/PROFESSIONAL PRACTICE

GIS Workshops

- *** **Haddad, M.** (2018, June 25). *Introdução à Análise Exploratória de Dados Espaciais* [Invited Workshop]. Instituto Universitário de Lisboa, Lisbon, Portugal.
- *** **Haddad, M.** (2014, June 2 & 11) *Addressing Development and Planning Issues With GIS* [APA Workshop]. ISU Campus, Ames, IA, United States.
- *** **Haddad, M.** (2013, Nov.). *Introduction to GIS for Urban and Regional Planners* [Invited Workshop]. Universidade Federal de Viçosa, Viçosa, Brazil.
- *** **Haddad, M.** (2013, May 20 & 29). *Beyond Simple Mapping with GIS* [APA Workshop]. ISU Campus, Ames, IA, United States.
- *** **Haddad, M.** (2012, Nov.) *GIS for Social Scientists* [Invited Workshop]. Universidade Federal de Juiz de Fora, Juiz de Fora, Brazil.
- *** **Haddad, M.** (2012, Nov.). *Planning for Open Space: a Spatial Analysis of Subdivisions in Des Moines* [Workshop]. 2012 APA Iowa Chapter Conference, Ames, IA, United States.
- *** **Haddad, M.** (2012, May 22 & Aug. 10). *Spatial Exploration of 2010 Census* [APA Workshop]. ISU Campus, Ames, IA, United States.
- Haddad, M.** (2008, May 28). *Public Works Geodatabase Workshop* [Six-hour workshop that provided hands-on experience with Geodatabases using tutorials specially designed for Hawarden staff and spatial data from the city's entire infrastructure networks]. Hawarden, IA, United States.
- Haddad, M.** (2008, May 21). *Geocoding Workshop* [Four-hour workshop for Iowa Department of Revenue employees which covered the basics of Geocoding with ArcGIS 9.2]. ISU College of Design GIS Lab, Ames, IA, United States.
- Haddad, M.** (2007, Mar. 31). *Mapping a Better Future for the Youth in Iowa* [One-hour workshop for the Iowa State University Office of Precollegiate Programs for Talented and Gifted]. ISU College of Design GIS Lab, Ames, IA, United States.
- Haddad, M.** (2006, Dec. 20) *Land Parcel Geodatabase Workshop* [Six-hour workshop that provided hands-on experience about Geodatabases using tutorials specially designed for Hawarden staff and City spatial data]. Hawarden, IA, United States.

Haddad, M. (2006, Dec. 11-12). *Regional Land Use Inventory Workshop* [Twelve hour (six hours per day for two days) workshop with hands-on experience covering all the data prepared for the East Central Iowa Council of Governments project]. Cedar Rapids, IA, United States.

Haddad, M. (2005, June 9-10). *Basics of ArcGIS 9.0* [Fourteen hour (seven hours each day for two days) workshop for lowans from public and private practice who wanted to learn more about the basics of the technology]. ISU College of Design GIS Lab, Ames, IA, United States.

Haddad, M. (2005, May 5-6). *Basics of ArcGIS 9.0* [Fourteen hour (seven hours each day for two days) workshop for lowans from public and private practice who wanted to learn more about the basics of the technology]. ISU College of Design GIS Lab, Ames, IA, United States.

Haddad, M. (2004, June 18-19). *Advanced ArcGIS 8.3* [Fourteen hour (seven hours each day for two days) workshop for lowans from public and private practice who wanted to learn more about advanced spatial analytical tools]. ISU College of Design GIS Lab, Ames, IA, United States.

Haddad, M. (2004, June 25-26). *Exploring Spatial Analyst from ArcGIS 8.3* [Fourteen hour (seven hours each day for two days) workshop for lowans from public and private practice who wanted to learn more about raster data analysis]. ISU College of Design GIS Lab, Ames, IA, United States.

Haddad, M. (2004, Nov. 19-20). *Basics of ArcGIS 9.0* [Fourteen hour (seven hours each day for two days) workshop for lowans from public and private practice who wanted to learn more about the basics of the technology]. College of Design GIS Lab, Ames, IA, United States.

Haddad, M. (2004, Dec. 3). *Advanced ArcGIS 9.0*. [Seven hour workshop for lowans from public and private practice who wanted to learn more about advanced spatial analytical tools]. ISU College of Design GIS Lab, Ames, IA, United States.

Haddad, M. (2004, June 11-12). *Basics of ArcGIS 8.3* [Fourteen hour (seven hours each day for two days) workshop for lowans from public and private practice who wanted to learn more about the basics of the technology]. ISU College of Design GIS Lab, Ames, IA, United States.

Haddad, M. (2004, Mar.) *Introduction to GIS* [Workshop]. College of Design Career Days, Ames, IA, United States.

Invited presentations/technical assistance to communities

*** **Haddad, M.** (2019, Nov. 8). *Residential Segregation and Commuting in a Latin America City* [Invited guest lecture]. Yi-Fu Fall Lecture Series, Department of Geography, University of Wisconsin-Madison, Madison, WI, United States.

*** **Haddad, M.** (2015, Mar. 26). *Spatial tools for analyzing urban structures* [Invited presentation]. Utrecht University of Technology, Utrecht, Netherlands.

- *** **Haddad, M.** (2015, Mar. 23). *Spatial tools for analyzing urban structures* [Invited presentation]. Center for Latin America Research and Documentation, University of Amsterdam, Amsterdam, Netherlands.
- *** **Haddad, M.** (2014, Mar. 17). *A Contemporary methodology to analyze spatial structures* [Invited presentation]. Federal University of Minas Gerais, Belo Horizonte, Brazil.
- *** **Haddad, M.** (2013, Aug. 7). *Bridging metropolitan growth and regional zoning in Greater Des Moines, Iowa U.S.; Equitable Distribution of Green Space: Urban Parks in Curitiba, Brazil; and Spatial Municipal Analysis of Education Inequality in Brazil, 2000-2010* [Invited presentation]. Federal University of Viçosa, Viçosa, Brazil.
- *** **Haddad, M.** (2013, July 12). *Spatial Municipal Analysis of Education Inequality in Brazil, 2000-2010* [Invited presentation]. School of Management and Business, Aberystwyth University, Aberystwyth, Wales.
- *** **Haddad, M., & Macedo, J.** (2013, Apr. 5). *Spatial Equity and Urban Amenities: the Case of Parks in Curitiba* [Invited presentation]. Socio-spatial Changed in Rural-urban Latin America Symposium, College of Design, Ames, IA, United States.
- *** **Haddad, M., Basmajian, C.** (2012, Sep.). *Regional Coordination and Governance Case Studies: Examples for The Tomorrow Plan* [Presentation]. The Tomorrow Plan Steering Committee Meeting, Des Moines, IA, United States.
- *** **Haddad, M.** (2012, Sep.). *Planning for Open Space: a Spatial Analysis of Subdivisions in Des Moines* [Presentation]. City of Des Moines planning staff, Des Moines, IA, United States.
- *** **Haddad, M.** (2012, July). *Planning for Open Space: a Spatial Analysis of Subdivisions in Des Moines* [Invited presentation]. Universidade de Brasília (UNB), Brasilia, Brazil.
- *** **Haddad, M., Gomes, C., & Freguglia, R.** (2012, Apr. 17). *Quality of Education and Public Resources Allocation in Brazil* [Invited presentation]. Brazil Center at the Teresa Lozano Long Institute of Latin American Studies, The University of Texas at Austin, Austin, TX, United States.
- *** **Haddad, M.** (2012, Apr. 6). *Planning for Open Space: a Spatial Analysis of Subdivisions in Des Moines* [Invited presentation]. School of Natural Resources, University of Nebraska-Lincoln, Lincoln, NE, United States.
- *** **Haddad, M.** (2011, Sep. 8). *Searching for Planning-related Documents Pre- and Post-Flood* [Presentation of part of report: Housing Needs Assessment Model: Has Housing Recovered in Iowa Communities After the Floods of 2008?]. 2011 Housing Iowa Conference, Des Moines, IA, United States.
- Doug, C. (Host), & **Haddad, M.** (2008, Aug. 4). *Communities Radio Times with Doug Cooper* [Four-minute interview about my Extension programs and areas of study].

Haddad, M. (2008, Feb. 19). *Results of Greene County Bioeconomy Project* [One and one-half hour presentation to stakeholders involved with Greene County Farms Bureau]. Jefferson, IA, United States.

Haddad, M. (2007, Dec. 3). *Results of Greene County Bioeconomy Project* [One and one-half hour presentation to Rotary Club members]. Jefferson, IA, United States.

Haddad, M. (2007, Mar.). *PowerPoint presentation about Corn Stover project to Vermeer visit to ISU campus* [Presentation], Ames, IA, United States.

Haddad, M. (2006). *PowerPoint presentation to Lawler & Swanson, PLC for the lawsuit B.J. Doane, LTD. vs. Cerro Gordo County* [Presentation]. Parkersburg, IA, United States.

Haddad, M. (2006, Sep.) *PowerPoint presentation about Corn Stover project to ADM visit to ISU campus* [Presentation]. Ames, IA, United States.

Haddad, M. (2006, Apr.). *Using Spatial Statistics to Examine Student Proficiency in Iowa* [Presentation]. College of Design's "This Friday" Seminar Series, Ames, IA, United States.

Haddad, M. (2005, Sep.). *Educating Young Women on GIS* [Guest presentation]. 7th Biennial GIS Conference, Iowa Geographic Information Council, Ames, IA, United States.

Haddad, M. (2005, Aug. 5). *Results of Corn Stover Project* [One-hour presentation at the Value-Added Ag. Support Team meeting]. Farm Bureau Federation, IA, United States.

Haddad, M. (2005, Mar. 16). *Trends in GIS* [Presentation]. 49th Shade Tree Workshop, College of Design GIS Lab, Ames, IA, United States.

Haddad, M. (2005, Mar. 11). *4-H Youth Tech Team Workshop* [Three-hour workshop for K-12 students who were learning GIS through ISU 4-H Extension]. College of Design GIS Lab, Ames, IA, United States.

Haddad, M. (2004, Mar. 9-10). *Trends in GIS* [Presentation]. 48th Shade Tree Workshop, College of Design GIS Lab, Ames, IA, United States.

Extension-Related Grants, Contracts, and Fee Generation

*** 2019, Fall. *Downtown Adel Master Plan* [CRP 532 for City of Adel]. PLaCE Program College of Design, \$6,000.

*** 2014, June 2 & 11. *Addressing Development and Planning Issues with GIS* [One day workshop sponsored by APA Iowa Chapter]. \$4,500 in registration fees.

- *** 2013, May 20-29. *Beyond Simple Mapping* [One-day workshop sponsored by APA Iowa Chapter]. \$4,500 in registration fees.
- *** 2013, May-Oct. *Identifying Optimal Corn Stover Storage Sites in Central Iowa* [Prepared for DuPont]. \$15,500.
- *** 2012, May 22 & Aug. 10. *Spatial Exploration of 2010 Census* [One-day workshop sponsored by APA Iowa Chapter]. \$4,500 and \$3,750 in registration fees respectively.
- 2008, Fall. City of Waukee. *Downtown Waukee Master Plan* [CRP 532 for City of Waukee]. PLaCE Program College of Design, \$4,654.
- 2008, Summer. Mail survey. City of Waukee, \$3,909.
- 2008, Spring. Geocoding project. Iowa Department of Revenue, \$3,000.
- 2008, Mar.-Sep. Spatially Examining Neighborhood Indicators for NDC. Neighborhood Development Corporation (NDC), \$9,666.
- 2007, Apr.-Nov. Greene County Bioeconomy project (with Paul F. Anderson and Craig Hertel, co-principal investigators). Greene County Development Corporation, Iowa Energy Center, and Leopold Center for Sustainable Agriculture, \$11,600.
- 2007, Spring. Hawarden Phase II – City of Hawarden Public Works Geodatabase. GIS Diagnostics, Institute for Design Research and Outreach, College of Design, \$7,516.
- 2006, Fall. Hawarden Phase I – City of Hawarden Land Use Geodatabase. GIS Diagnostics, Institute for Design Research and Outreach, College of Design, \$5,466.
- 2006, Fall. East Central Iowa Council of Governments (ECICOG), Regional Land Use Inventory. GIS Diagnostics, Institute for Design Research and Outreach, College of Design, \$5,466.
- 2006, Fall. GIS Maps for the lawsuit B.J. Doane, LTD vs. Cerro Gordo County, Lawler & Swanson, PLC. \$500.
- 2005, Summer. Corn Stover project. Leopold Center for Sustainable Agriculture, W. K. Kellogg Foundation, Iowa Northern Railway Company, and Mells Industries, \$10,050.
- 2005, Spring. Iowa's Local Government Networks and Interlocal (28e) Agreements. ISU Public Policy and Administration Program, \$6,000.

2004, June-2005, June. Seven GIS Workshops that took place at the College of Design GIS Lab. \$24,500 in registration fees.

Professional Development

*** 2020-2021 Emerging Leaders Academy Cohort, provided by the ISU Office of the Senior Vice President and Provost (forthcoming).

*** 2020-2021 Scholarship of Teaching and Learning (SoTL) Scholars Program (forthcoming).

*** 2018, Sep. 26-28. *Coastlines and People Scoping Workshop* [Project funded by the National Science Foundation (NSF)]. Chicago, IL, United States.

*** 2018, May 19-21. *TRELIS Workshop: Training and Retaining Leaders In STEM - Geospatial Sciences (TRELIS)* [Project funded by the National Science Foundation (NSF)]. Madison, WI, United States.

*** 2017, Fall. Early Adopter of Canvas [New ISU teaching online platform].

*** 2017, Fall. *Faculty Success Program from the National Center for Faculty Development and Diversity*.

*** 2017, Oct. *Cornell Interactive Theater Ensemble* (Organizer).

*** 2016, Oct. 10. *Inclusive Classroom Faculty Development Workshop*. ISU Center for Excellence in Learning and Teaching.

*** Gay, G. (2016, Sep. 17). *Expanding Diversity Perspectives* [Curriculum Development Workshop]. Ames, IA, United States.

*** 2016, June 22-24. *Team-Based Learning Summer Workshop*. ISU Center for Excellence in Learning and Teaching.

*** 2012, Mar. 1-3. *Cities and Inequalities in a Transnational World*. Joint Area Centers Symposium, University of Illinois at Urbana-Champaign, Urbana-Champaign, IL, United States.

*** 2010, Summer. *Workshop on Randomized Experiments*. Innovation for Poverty Action.

*** Morrison, D. (2010, Spring). *Grant Writing Workshops*.

2008, Fall. *Sustaining the Earth: Public Scholarship in the Arts and Humanities* [Seminar]. ISU Center for Excellence in the Arts and Humanities.

2007, June. Received Human Subjects Certification.

2007, Apr. 10. *The Small Town in the Bioeconomy* [Conference]. Ames, IA, United States.

2007, Mar. *Bioenergy Implications for Water Quantity and Quality* [Iowa Water Conference]. Ames, IA, United States.

2006, May. *Designing Cool Communities* [AIA Iowa Conference]. Des Moines, IA, United States.

2005, Sep. *Center for Excellence in Learning and Teaching Biennial Renewal of the Teaching Spirit Conference*. Springbrook Conservation Education Center, Guthrie Center, IA, United States.

2005, Aug. *Building Geodatabases I and II* [ESRI workshops]. Saint Louis, MO, United States.

2005, Apr. 19-21. *Building Partnerships to Reduce Hazard Risks* [Geospatial workshop sponsored by FEMA]. Indianapolis, IN, United States.

2004, Sep. *Small Towns towards Success* [Conference]. Decorah, IA, United States.

2003, Nov. *Annual Conference of the Iowa Chapter of the American Planning Association (APA)*. Fort Dodge, IA, United States.

Journal Reviewer

Impact Factors (IF) for 2018 from InCites Journal Citation Reports unless otherwise noted.

*** Biomass and Bioenergy (IF 3.537)

*** Cities (IF 3.853)

*** Environment and Planning B (IF 2.825)

*** Journal of Land Use Science (IF 2.045)

*** Journal of Planning Education and Research (IF 2.667)

*** Journal of Urban Affairs (IF 1.115)

*** Land Use Policy (IF 3.573)

*** Landscape and Urban Planning (IF 5.144)

*** Papers in Regional Science (IF 2.020)

*** Rural Sociology (IF 1.870)

*** Town Planning Review (IF 0.78, ResearchGate)

The Annals of Regional Science (IF 1.075)

Journal of Geoscience Education (IF 1.13, ResearchGate)

Journal of Human Development (IF 1.516)

Journal of Planning History (IF 0.12, ResearchGate)

Service in Organizations and Events

*** 2020-2022. Co-Chair for the Regional Planning Track for Association of Collegiate Schools of Planning Annual Conferences.

- *** 2020-2022. Marketing & Fundraising Committee – Eat Greater Des Moines (NGO Food Insecurity).
- *** 2018, Nov. 7-10. Program Chair for the 65th Annual North American Meetings of Regional Science Association International. Santo Antonio, TX.
- *** 2015-2017. North American Regional Science Council Councilor-at-Large. Elected Summer 2014.
- *** 2014, Sep.-Nov. North American Regional Science Council (NARSC). Co-Chair of the NARSC Graduate Student Paper Award contest.
- *** 2014, July. National Conference of Planning and Development. Member of the Scientific Committee responsible for paper selection. Sponsored by the Programa de Pós-Graduação em Planejamento e Governança Pública) da Universidade Tecnológica Federal do Paraná.
- *** 2014. Reviewing a paper for the International Planning History Society conference.
- 2008, July-2009, July. Association of Collegiate Schools of Planning (ACSP), Global Planning Educators Interest Group member.
- 2009, Jan. Steering committee member for the 58th Annual Conference of the Center for Latin American Studies (University of Florida): The urban divide in Latin America: Challenges and Strategies for Social Inclusion. Gainesville, FL.
- 2008, July 10-13. Article review process for the International Planning History Society, 13th Biennial Conference. Chicago, IL.

4 - POSITION RESPONSIBILITIES: TEACHING AND ADVISING

Visiting Professorship

- *** 2014, Mar. Visiting Professor at a Brazilian University from a Foreign University, Universidade Federal de Minas Gerais.
- *** 2013, Nov. Visiting Professor at a Brazilian University from a Foreign University, Universidade Federal de Viçosa.
- *** 2012, Nov. Visiting Professor at a Brazilian University from a Foreign University, Universidade Federal de Juiz Fora.

Teaching as a Visiting Professor

- *** 2014, Mar. *SIG para Planejadores Urbanos e Regionais* [Graduate class, 1 credit]. Universidade Federal de Minas Gerais.

Teaching Assignments and Responsibilities

Courses are listed by course number, from lower to upper levels in the degree programs. I have been responsible for 100 percent of the curriculum development for all of the courses.

CRP 251 - Fundamentals of GIS (3 credits, an elective/required undergraduate level class)

*** Spring 2019 (Enrollment: 50 students)

CRP 391 - Field Travel (1 credit, a required undergraduate level class)

*** Spring 2018 – Minneapolis (Enrollment: 13 students)

*** Spring 2017 – Kansas City (Enrollment: 18 students)

*** Fall 2015 – Chicago (Enrollment: 11 students)

*** Fall 2014 – Portland (Enrollment: 8 students)

*** Fall 2013 – Dallas (Enrollment: 8 students)

*** Fall 2012 – Baltimore (Enrollment: 11 students)

CRP 498 - Portfolio Development and Review (1 credit, required undergraduate level class)

*** Fall 2015 (enrollment: 6 students)

*** Fall 2014 (Enrollment: 12 students)

CRP 532 - Community Planning Studio (a required graduate level class for MCRP students)

*** Fall 2019 (Enrollment: 11 students, 6 credits)

Outreach component: Development of a Downtown Master Plan for the city of Adel

Fall 2008 (Enrollment: 8 students, 4 credits)

Outreach component: Development of a Downtown Master Plan for the city of Waukee

CRP 551 - Introduction to Geographic Information Systems (3 credits, elective for graduate students)

Spring 2004 (Enrollment: 23 students)

CRP 452/552 - Geographic Data Management and Planning Analysis (3 credits, elective for graduate and senior undergraduate students)

*** Spring 2019 (Enrollment: 15 students)

Outreach component: Exploratory Spatial Data Analysis for the city of Des Moines Neighborhood Development Division

*** Spring 2018 (Enrollment: 16 students)

Outreach component: Exploratory Spatial Data Analysis for the Greater Des Moines Habitat for Humanity

*** Spring 2017 (Enrollment: 13 students)

*** Spring 2016 (Enrollment: 15 students)

*** Spring 2014 (Enrollment: 17 students)

*** Spring 2013 (Enrollment: 17 students)

*** Spring 2012 (Enrollment: 16 students)

*** Spring 2011 (Enrollment: 12 students)

*** Spring 2010 (Enrollment: 18 students)

*** Spring 2009 (Enrollment: 9 students)

Spring 2008 (Enrollment: 17 students)

Spring 2007 (Enrollment: 11 students)

Fall 2006 (Enrollment: 8 students)

Spring 2006 (Enrollment: 10 students)

Fall 2005 (Enrollment: 9 students)

Spring 2005 (Enrollment: 16 students)

Fall 2004 (Enrollment: 16 students)

Summer 2004 (Enrollment: 8 students)

Fall 2003 (Enrollment: 11 students)

CRP 460/560 - Social Justice and Planning (3 credits, elective for graduate and senior undergraduate students)

*** Spring 2016 (Enrollment: 10 students)

Outreach component: Viva East Bank! Planning for Better Food Access report

*** Spring 2014 (Enrollment: 13 students)

Outreach component: Building sustainable pipelines based on magnet high schools for the College of Design Multicultural Liaison Office

*** Spring 2013 (Enrollment: 6 students)

Outreach component: Diversity awareness campaign for the ISU College of Design Diversity Board

CRP 564 - Introduction to Analytical Methods for Planning (3 credits, an outreach component was included in several semesters)

*** Fall 2019 (Enrollment: 9 students)

Outreach components: Housing Needs Assessment for the city of Johnston; Placemaking Survey for the city of Oskaloosa

*** Fall 2018 (Enrollment: 13 students)

Outreach component: Public Art Survey for the city of Fort Dodge)

*** Fall 2017 (Enrollment: 13 students)

Outreach component: Rural Revitalization Needs Assessment Survey for the McClure Engineering Company

*** Fall 2016 (Enrollment: 11 students)

Outreach component: Community and Economic Development Survey for the Ackley Development Commission

*** Fall 2015 (Enrollment: 16 students)

Outreach component: Greater Des Moines Partnership survey focusing on water quality for Iowa's Water Future Task Force

*** Fall 2014 (Enrollment: 20 students)

Outreach component: Housing data analysis for the Greater Des Moines for the Polk County Housing Trust Fund

*** Fall 2013 (Enrollment: 14 students)

Outreach component: Sustainability Plan survey for the Mason City Environmental and Sustainability Advisory Commission

*** Fall 2012 (Enrollment: 11 students)

Outreach component: Public transit survey for the Metropolitan Planning Organization of Johnson County

*** Fall 2011 (Enrollment: 8 students)

*** Fall 2010 (Enrollment: 12 students)

CRP 481/581 - Regional and State Planning (3 credits)

*** Spring 2010 (Enrollment: 17 students)

CRP 595 - Seminar in GIS Applications and Research (1 credit, a required graduate level class for GIS Certificate candidates)

*** Spring 2020 (Enrollment: 10 students)

*** Spring 2019 (Enrollment: 10 students)

*** Spring 2018 (Enrollment: 10 students)

*** Fall 2017 (Enrollment: 3 students)

*** Spring 2017 (Enrollment: 16 students)

*** Fall 2016 (Enrollment: 1 students)

*** Spring 2016 (Enrollment: 8 students)

*** Fall 2015 (Enrollment: 4 students)

*** Fall 2014 (Enrollment: 2 students)

*** Spring 2014 (Enrollment 7 students)

*** Fall 2013 (Enrollment: 3 students)

*** Spring 2013 (Enrollment 6 students)

*** Fall 2012 (Enrollment 2 students)

*** Spring 2012 (Enrollment 10 students)

*** Fall 2011 (Enrollment: 5 students)

*** Spring 2011 (Enrollment: 10 students)

*** Fall 2010 (Enrollment: 4 students)

*** Spring 2010 (Enrollment: 7 students)

*** Fall 2009 (Enrollment: 5 students)

Spring 2008 (Enrollment: 4 students)

Spring 2007 (Enrollment: 8 students)

Spring 2005 (Enrollment: 8 students)

Fall 2004 (Enrollment: 5 students)

Spring 2004 (Enrollment: 4 students)

Curricular Development Activity***New Course Development***

- *** *CRP 251 Fundamentals for GIS* – Developed a course from scratch, designing new tutorials and creating new lectures covering topics such as coordinate systems (geographic and projected) and topological relationship for vector data (note: already in the ISU catalog, and taught previously by other faculty).
- *** *CRP 391 Field Travel* – Observation of professional practice and community/regional problems and issues (note: already in the ISU catalog, and taught previously by other faculty).
- *** *CRP 498 Portfolio Development and Review* – Preparation of a portfolio of student work that represents student learning throughout the entire planning program. (note: already in the ISU catalog, and taught previously by other faculty).
- *** *CRP 460/560 Social Justice and Planning* - Investigation of the topic of social justice as it relates to the challenge of planning more socially just urban societies, emphasizing the importance of social justice issues to planning in a globalized world. Includes a range of issues and case studies of local social justice initiatives, both US and global. Students will complete individual service learning projects as part of the course requirements.
- CRP 595 Seminar in GIS Applications and Research* – The course is designed for GIS Certificate candidates only. The objective is to expose students to a variety of GIS applications and research in multiple disciplines. Every semester a series of speakers are invited to present their GIS-related work.

Course Revisions

- *** *CRP 481/581 Regional and State Planning* - Analysis of theories, policies, and functions at the metropolitan, regional, and state levels with emphasis on area-wide governance structures and strategies for guiding development (note: already in the ISU catalog, and taught previously by other faculty).
- *** *CRP 564 Introduction to Analytical Methods for Planning* - Applications of analytical methods in planning with emphasis on the collection, description, analysis, presentation, and interpretation of planning data. Introduction to descriptive statistics. Sources of planning information and data including primary and secondary data types and sources. Demographic analysis, population projection techniques for planning at local and regional levels.
- CRP 452/552 Geographic Data Management and Planning Analysis* – The course is designed to provide students with a variety of spatial analytical tools, using GIS technologies beyond simple mapping. This course was completely revised when I taught it for the second time, in Fall 2004. I have been updating this course every semester I teach it.

CRP 551 Introduction to Geographic Information Systems – I redesigned all hands-on experience tutorials in the Spring 2004 when I taught this course because the software being used was obsolete.

Thesis/ Professional Reports

- *** Master Thesis: Traffic Crashes and the Built Environment: A Case Study in Des Moines. (CRP 699, 6 cr.) Spring 2020, Dorcas Okaidjah.
- *** Professional Report: Enhancing Walkability in a Downtown: A Case Study in Adel, Iowa (CRP 599, 4 cr.) Spring 2020, Yaw Kwarteng.
- *** Professional Report CDEV: Using Google Street View to Examine Green Gentrification: a Case Study in Chile (CDEV 599, 2 cr.) Fall 2019, Melinda Sanchez.
- *** Professional report CDEV: CDEV: Using Google Street View to Examine Green Gentrification: a Case Study in Chile (CDEV 599, 3 cr.) Summer 2019, Melinda Sanchez.
- *** Master Thesis: Transportation Accessibility, Housing Investments, and Housing Prices: Application of Hedonic Price Model in Des Moines, Iowa (CRP 699, 6 cr.). Spring 2019, Rakibul Ahasan.
- *** Master Thesis: Building Social Capital through Community Gardens: Empowering the Citizens of Des Moines, Iowa (CRP 699, 6 cr.). Fall 2018, Morgan Bradley.
- *** GIS Application/Professional Report: Promoting Walkability: An assessment of sidewalk connectivity within the DART public transportation system (CRP 599, 4 cr.) Spring 2018, Daniel Dvorjak.
- *** GIS Application/Professional Report: Poverty Suburbanization in US Metropolis: The case of Dallas Fort Worth (CRP 599, 4 cr.) Fall 2016, Helina Sarkodie-Minkah.
- *** GIS Application/Professional Report: Gated Communities and Urban Growth: A Case Study in Brazil (CRP 599, 3 cr.) Summer 2016, Devanshi Mehta.
- *** GIS Application/Professional Report: Promoting Access to Public Transit: A Predictive Model (CRP 599, 4 cr.) Spring 2016, Stephen Rashid.
- *** GIS Application/Professional Report: Gated Communities and Urban Growth: A Case Study in Brazil (CRP 599, 1 cr.) Spring 2016, Devanshi Mehta.
- *** Professional Report: Housing Choice Voucher: Location Pattern and Moving Trajectory in San Francisco Bay Area Region (CRP 599, 4 cr.) Fall 2014, Shuo Liu.
- *** Professional Report: Coastal Land Use Planning for the State of Qatar (CRP 590, 4 cr., CRP 599, 4 cr.) Fall 2014, Ahmad Al-Saygh.

*** GIS Application/Professional Report: The spatial relationship between vehicle-pedestrian accidents and the built environment in Des Moines, Iowa (CRP 590, 4 cr.) Spring 2014, Joseph Drahos.

*** Professional Report: A Network for Economic Integration of Immigrants: Supporting Latinos/as in New Gateway (CRP 599, 4 cr.) Spring 2014, Johnny Alcivar.

*** GIS Application/Professional Report: Site suitability study for bike stations in Ames, Iowa: A mixed approach of spatial analysis and community input (CRP 599, 4 cr.) Spring 2013, Yuwen Hou.

Master Thesis/ GIS Application: Modeling of Urbanization Impacts on Natural Resources, Dakota County, Minnesota (CRP 699, 3cr.) Summer 2007, Lan Wei.

Master Thesis: The Economic Importance of Micropolitan Areas in Iowa (CRP 699, 9 cr.) Spring 2007, David Inbody.

Master Thesis: Designing the Website for Ames Downtown Project (CRP 699, 2 cr.) Spring 2007, Jagadish Melta.

Master Thesis: GIS Modeling of Urbanization Impacts on Natural Resources, Dakota County, Minnesota (CRP 699, 3 cr.) Spring 2007, Lan Wei.

Master Thesis: Literature Review on Public Participation (CRP 699, 2 cr.) Fall 2006, Jagadish Melta.

Master Thesis: Applying BASINS Methodology to the Raccoon River Basins (CRP 699, 3 cr.) Summer 2004, Karen Louise Johnson.

Master Thesis: Learning How to Use the Software BASINS (CRP 699, 3 cr.) Spring 2004, Karen Louise Johnson.

Independent Studies – Graduate Students

*** GIS Independent Study, (CRP 590, 1 cr.) Summer 2020, Dorcas Okaidjah.

*** GIS Application: Examining the impact of increased winter cover crop practice on soil health (CRP 590, 3 cr.) Spring 2020, Marios Tsekitsidis.

*** GIS Independent Study, (CRP 590, 1 cr.) Spring 2020, Yaw Kwarteng.

*** GIS Independent Study, (CRP 590, 1 cr.) Spring 2020, Panhavuth Sar.

*** GIS independent Study: Seminar (CRP 590, 1 cr.) Fall 2019, Panhavuth Sar.

*** GIS Independent Study: Seminar (CRP 590, 1 cr.) Fall 2018, Tian Yu.

*** GIS Independent Study: Fundamentals of GIS (CRP 590, 3 cr.) Spring 2018, Melinda Sanchez.

- *** GIS Independent Study: Using Remote Sensing to Detect Urbanization (CRP 590, 2 cr.) Summer 2016, Devanshi Mehta.
- *** GIS Application: The Bakken pipeline, Iowa: Environmental Justice considerations (CRP 590, 3 cr.) Fall 2015, Xiaoyun Zhao.
- *** GIS Application: Integrating multi-criteria evaluation and site suitability analysis: A case study for wind farms in Northwest Iowa (CRP 590, 3 cr.) Fall 2015, Braden Boydston.
- *** Independent study: Site suitability analysis using Model Builder (CRP 590, 2 cr.) Fall 2015, Braden Boydston.
- *** GIS Application: Regional Bike Trail Connectivity: A Case Study in Iowa (CRP 590, 3 cr.) Fall 2014, Xiujian Xie.
- *** GIS Application: Applying a Geodesign framework in comprehensive plans – the case of Altoona, Iowa (CRP 590, 3 cr.) Spring 2014, Ben Lozano.
- *** GIS Application: Comparing Walkable Nodes in the Greater Des Moines Region: A Spatial Analysis (CRP 590, 3 cr.) Fall 2013, Aaron Bartling.
- *** Independent Study: Understanding the IDOT Project Management Process (CRP 590, 3 cr.) Fall 2013, Joseph Drahos.
- *** GIS Application/PhD Dissertation: Quantifying Impervious Surface Changes Using Time Series Planimetric Data from 1940 to 2011 in Four Central Iowa Cities, U.S.A. (CRP 590, 3 cr.) Spring 2013, Jiayu Wu.
- *** Independent Study: Exploring advanced GIS techniques (CRP 590, 3 cr.) Fall 2012, Bailey Hanson.
- *** GIS Application: West Des Moines Public Works - Demonstration of geodatabase functionality for an enterprise environment (CRP 590, 3 cr.) Spring 2010, Allen Carlson.
- *** GIS Application: A Spatial Analysis to Assess Farmland Preservation in Scott County, Iowa (CRP 590, 3 cr.) Fall 2009, Alyson Lutz.
- *** GIS Application: The Effects of Open Space on Housing Prices: A Spatial Study of Des Moines, IA (CRP 590, 3 cr.) Fall 2009, Carissa Miller.
- GIS Application: Assessing Iowa's Wind Energy Industry (CRP 590, 3cr.) Spring 2009, Bethany Wilcoxon.

GIS Application: A Web-Based Public Participation Tool: Greene County Bio-Economy Survey (CRP 590, 3 cr.) Spring 2008, Brad Schmidt.

GIS Application: Examining Transportation and Environmentally Protected Lands for the Greene County Pilot Study (CRP 590, 3 cr.) Summer 2007, Kelly Delmonico.

GIS Application: GIS and the Bioeconomy: A Preliminary Assessment of Water Quality, Water Quantity and Co-Location for the Purposes of Creating a Spatial Survey (CRP 590, 3 cr.) Summer 2007, Basil Mahayni.

Creative jobs in the Midwest (CRP 590, 2 cr.) Spring 2007, Brad Schmidt.

GIS Application: Exploratory Spatial Analysis of Livelihood Capital Index in Western Kenya (CRP 590, 3 cr.) Spring 2007, Mary Nyasimi.

GIS to K-12 Educators (CRP 590, 3 cr.) Fall 2006, Katie Lewis.

GIS to K-12 Educators (CRP 590, 3 cr.) Fall 2006, Elsa Schmidt.

GIS to K-12 Educators (CRP 590, 3 cr.) Fall 2006, Duane VanWinkle.

GIS Application: GIS and Weather Related Power Outages (CRP 590, 3 cr.) Spring 2006, Daniel Nack.

GIS Application: Building a Community Information System with Open Source GIS to Foster Dialogue and Design (CRP 590, 3 cr.) Spring 2006, Jagadish Melta.

GIS Application: Using Exploratory Spatial Analysis to Study Urbanization of the Metropolitan Region of São Paulo (CRP 590, 3 cr.) Fall 2005, Isha Kaphle.

GIS Application: Spatial Analysis of the Clarkson Site Faunal Remains (CRP 590, 3 cr.) Fall 2005, Erik Otarola-Castillo.

GIS Application: GIS as a Tool in Watershed Analysis (CRP 590, 3 cr.) Summer 2005, Vasudha Pinnamaraju.

A Typology of Online Participation Tools to Aid Community Design of Downtowns and Neighborhoods (CRP 598MH, 2 cr.) Summer 2005, Jagadish Metla.

GIS Application: Identifying Site Formation Processes at the Late Paleoindian Clary Ranch Site (CRP 590M, 3 cr.) Spring 2005, Adam Holven.

GIS Application: Campus Facilities Planning and Management (CRP 590M, 3 cr.) Spring 2005, Liang Hu.

GIS Project: Assessing Automobile Dependence in West Des Moines (CRP 590G, 1 cr.) Spring 2005, Debra Lampe.

Redoing GIS Assignments From CRP 552 (CRP 590G, 3 cr.) Fall 2004, Garrett Burchett.

GIS Application: Imperviousness in Planning for Water Quality: A BASINS Evaluation (CRP 699, 3 cr.) Fall 2004, Karen Louise Johnson.

An Alternative for the GIS Application and Seminar (CRP 590M, 4 cr.) Summer 2004, Monica Barbazan.

Coastal Communities and the Environment: Assessing Negative Impacts Using GIS (CRP 590G, 3 cr.) Summer 2004, Elza Adriana Perez Lopez.

Revisiting the Theory Behind GIS (CRP 590M, 3 cr.) Spring 2004, Elza Adriana Perez-Lopez.

Independent Studies – Undergraduate Students

*** Planning-related activities (CRP 490, 6 cr.) Spring 2020, Thomas O'Donnell.

*** Honors Program Final Project: Examining the Complexities of Urban Water and Sanitation in Latin America (CRP 490, 4 cr.) Summer 2017, Kelly Naumann.

*** Honors Program Final Project: Where should Students Live? A Student Housing Site Suitability Analysis in Ames, Iowa (CRP 490, 4 cr.) Fall 2016, Laurelin Haas.

*** GIS Independent Study: GIS Analysis and Business Location Decision-Making (CRP 490, 3 cr.) Spring 2016, Nathan Joens.

*** Independent Study: Social Justice and Planning (CRP 590, 3 cr.), Spring 2016, Moises Monrroy-Castillo.

*** CRP 451 make-up: Planning for Open Space: A Spatial Analysis of Subdivisions in Des Moines (CRP 590, 1 cr.) Spring 2012, Sam Hiscocks.

*** CRP 451 make-up (CRP 590, 1 cr.) Spring 2012, Jared Foss.

Committee Member of Graduate Students (Doctoral and Master’s students at ISU)

When the Graduation column is in ***bold and italics*** it refers to committees Post-Tenure.

Name of Student	Department	PhD Dissertation (+++), Thesis, or Creative Component Title	Graduation
Kayonna Topp*	Community and Regional Planning	Food insecurity in Ghana: Is the government doing enough?	<i>Spring 2021</i>
Stephanie Sowl*	Education +++	Rural college access and socio-spatial inequality	<i>Spring 2022</i>
Vivian Cook***	Community and Regional Planning/ Sustainable Agric.	TBD	<i>Fall 2021</i>
Monika Moore*	Political Science	TBD	<i>Spring 2021</i>
Elisa Cárdenas*	Sociology/ Sustainable Agric. +++	Are indigenous women integrated in Ecuador’s emerging quinoa value chain? If so, how?	<i>Fall 2020</i>
Andrea Wagner***	Community and Regional Planning/ Sustainable Agric.	A comparative analysis of Iowa watershed organizations: Structure, function, and social infrastructure	<i>Fall 2020</i>
Carolina Barbosa*	Civil Engineering +++	Post-construction evaluation for work zones and construction engineers training	<i>Fall 2020</i>
Lucas Magalhães*	Geo-Information Science and Earth Observation	Economic diversity and complexity in the urban context	<i>Summer 2020</i>
Dorcas Okaidjah**	Community and Regional Planning (transportation)	Traffic crashes and the built environment: A case study in Des Moines	<i>Summer 2020</i>
Yaw Kwarteng***	Community and Regional Planning	Enhancing walkability in a downtown: A case study in Adel, Iowa	<i>Spring 2020</i>
Jacob Howe*	Community and Regional Planning/ Sustainable Agric.	Understanding site location factors of food pantries and free meal programs in the Des Moines, IA metro	<i>Spring 2020</i>

Gabriel Nelson*	Community and Regional Planning	Building an automated land evaluation and site assessment system for Story County, Iowa	Spring 2020
Melinda Sanchez**	Community Development	Using Google Street View to examine green gentrification: A case study in Chile	Fall 2019
Rakibul Ahasan**	Community and Regional Planning (transportation)	Transportation accessibility, housing investments, and housing prices: Application of hedonic price model in Des Moines, Iowa	Summer 2019
Kendyl Landeck*	Community and Regional Planning	The spatial legacy of redlining on present-day Des Moines, IA	Summer 2019
Morgan Bradley**	Community and Regional Planning/ Sustainable Agric.	Community gardens and social capital in Des Moines	Spring 2019
Daniel Dvorjak***	Community and Regional Planning	Promoting walkability: An assessment of sidewalk connectivity within the DART public transportation system	Fall 2018
Teresa Blader*	Entomology	Estimating milkweed stem density effects on monarch butterfly oviposition on gravel roadsides in Iowa utilizing GIS	Spring 2018
Rachana Awale*	Community and Regional Planning	Residential property values and open spaces: Comparing Des Moines, Iowa and Fort Worth, Texas	Summer 2017
Amelia Schoeneman*	Community and Regional Planning	Downtown housing in Midwestern college towns: Trends in housing demand and social impacts	Spring 2017
Helina Sarkodie-Minkah***	Community and Regional Planning	Poverty suburbanization in US metropolis: The case of Dallas Fort Worth	Spring 2017
Brandon Klein*	Community and Regional Planning	Adapting the densify sample network tool for a site suitability analysis of automatic traffic recorder locations	Spring 2017
Devanshi Metla***	Community and Regional Planning	Gated communities and urban growth: A case study in Brazil	Fall 2016
Stephen Rashid***	Community and Regional Planning	Promoting access to public transit: A predictive model	Spring 2016
Jonathan Stytz*	Community and Regional Planning	Safe pedestrian routes in Preston Heights, IL: A walkability study	Spring 2016

Elizabeth Dippold*	Political Science	Evaluating the effects of food aid on conflict in Sub-Saharan Africa: A disaggregate approach	Spring 2016
Ahmad Al-Saygh***	Community and Regional Planning	Impacts of population distribution policies on the urban spatial structure of City of Doha	Spring 2015
Julie Whitson*	Community and Regional Planning Sustainable Agric.	Bridging the gap: The farm and ranch lands protection program in Iowa	Fall 2014
Shuo Liu***	Community and Regional Planning	Examining the effectiveness of HCV program to de-concentrate poverty in San Francisco Bay Area, 2000 to 2010	Fall 2014
Laurimar Vendrusculo*	Agricultural and Biosystem Engineering +++	Modelling gully growth and location using data mining technique and high resolution elevation data	Summer 2014
Johnny Alcivar***	Community and Regional Planning	Economic integration of immigrant populations: The Latino/a experience in Des Moines, IA	Spring 2014
Joseph Drahos***	Community and Regional Planning	The spatial relationship between vehicle-pedestrian accidents and the built environment in Des Moines, Iowa	Spring 2014
Angela Poole*	Civil Engineering (Transportation Engineering)	Using geographic information systems to aid in preliminary wetland mitigation site selection	Fall 2013
Shelley Oltmans*	Community and Regional Planning Sustainable Agric.	A case study of the food retail system in Accra, Ghana	Fall 2013
Xin Tong*	Community and Regional Planning	A preliminary multi-use trail site selection for the Lake Ahquabi State Park, IA	Fall 2013
Eman Shoeib*	Community and Regional Planning	Iowa landowners' perception of wind power: A case study	Summer 2013
Jiayu Wu*	Natural Resource Ecology and Management +++	Landscape, hydrological and social factors affecting water quantity and quality in urban headwater streams of central Iowa	Summer 2013
Yuwen Hou***	Community and Regional Planning	Site suitability study for bike stations in Ames, Iowa: A mixed approach of spatial analysis and community input	Spring 2013
Aaron Nelson***	Community and Regional Planning	Site suitability analysis for park-and-ride bus lots: An applied method for the Iowa City Urbanized Area	Spring 2012

Jia Gao*	Civil Engineering (Transportation Engineering)	A study on the relationship between asset condition and safety on primary roads in Iowa	Spring 2012
Clint Sloss***	Community and Regional Planning	Cluster development: A rural development strategy for Allamakee County	Spring 2011
Ben Fisher***	Community and Regional Planning	Brownfields redevelopment and gentrification: A socio-economic evaluation of the EPA brownfields pilot program	Spring 2011
Adam Shell**	Community and Regional Planning (transportation)	Environmental justice case study in the Des Moines Metropolitan Area	Spring 2010
Amy Logan***	Community and Regional Planning	Planning for the urban Sustainable Forest: A case study of Johnston, Iowa	Spring 2010
Jagadish Metla**	Community and Regional Planning & Landscape Architecture	Participation technologies: A framework for the development of an online interactive GIS application	Fall 2008
Lan Wei**	Community and Regional Planning & Landscape Architecture	GIS modeling of urbanization impacts on natural resources, Dakota County, Minnesota	Fall 2007
David Inbody**	Community and Regional Planning & Public Administration	Exploring micropolitan areas as a source of population growth in Iowa	Summer 2007
Daniel Nack*	Electrical and Computer Engineering	Geographic information systems (GIS) applications in electric power engineering	Spring 2007
Isha Kaphle*	Community and Regional Planning	Evaluating people's accessibility to public parks using geographic information systems: A case study in Ames, Iowa	Fall 2006
Elza Adriana Perez-Lopez*	Community and Regional Planning	The impacts of tourism within small coastal communities	Spring 2006
Erik Otarola Castillo *	Anthropology	Late prehistoric (Oneota) exploitation of deer at the Clarkson Site, Warren County, Central Iowa	Spring 2006
Adam Craig Holven*	Anthropology	A GIS analysis of Paleoindian site structure at the Clary Ranch Site	Spring 2006
Vladimir Bassis*	Public Administration	Current state of e-transparency in Ukrainian city governments	Fall 2005
Karen Louise Johnson***	Community and Regional Planning	Imperviousness in planning for water quality: A BASINS study	Fall 2005

Kanlaya Jintanakul*	Economics	Factors affecting hospital choice for rural Iowa residents	Summer 2005
Zhen Zhan*	Landscape Architecture	The influence of scale on the landscape analysis for resources management in the Milwaukee Road Rail Yard, Perry, Iowa	Fall 2004

OBS: * Committee member

** Co-Major Professor

*** Major Professor

Graduate Students (Master's and Doctoral students outside ISU)

Master Defense

Moura, A. C. M., **Haddad, M. A.**, Nascimento, N. O., & Assis, W. L. (2020). External examiner on board for Lourdes Manresa Camargos, Master's in Geography, Federal University of Minas Gerais. *Geovisualização e seu potencial na inclusão da infraestrutura azul no planejamento territorial: estudos de caso em escalas regional e local no Quadrilátero Ferrífero/MG.*

Doctoral Defense

Haddad, M. A., Moura, A. C. M., Araújo, R. P. Z., Gontijo, B., & Rocha, L. C. (2015, May). External examiner on board for Bráulio Magalhães Fonseca, PhD in Geography, Federal University of Minas Gerais. *Conceitos e práticas do Geodesign aplicados ao Ordenamento Territorial do Município de São Gonçalo do Rio Abaixo, Região do Médio Piracicaba/MG.*

Haddad, M. A., Gontijo, B., Moura, A. C. M., Elmiro, M. A. T., Carvalho, V. L. M., Moraes, M. S., & Azevedo, A. A. (2015, May). External examiner on board for Rodrigo Pinheiro Ribas, PhD in Geography, Federal University of Minas Gerais. *Análise espacial da conectividade estrutural na paisagem: uma aplicação no mosaico de áreas protegidas do Espinhaço, Alto Jequitinhonha - Serra do Cabral.*

Haddad, M. A., Moura, A. C. M., Moraes, F. B., Oliviera, F. H., & Borges, K. V. A. (2014, Mar.). External examiner on board for Sheyla Aguilar de Santana, PhD in Architecture, Federal University of Minas Gerais. *Geoprocessamento na Modelagem Parametrizada da Paisagem Territorial: aplicações da geovisualização na simulação da paisagem urbana.*

Master Qualifying Exam

Santos, L. S. (2018). Master's in Geography, Federal University of Minas Gerais (**Haddad, M.**, External Examiner). *Metodologias para avaliação e gestão da qualidade de vida urbana: mapeamento da paisagem sonora.*

Camargos, L. M. (2018). Master's in Geography, Federal University of Minas Gerais (**Haddad, M.**, External Examiner). *Análise de Multicritérios e seu potencial no planejamento da blue-infrastructure em áreas urbanas.*

Doctoral Qualifying Exam

Haddad, M. A., Moura, A. C. M., & Moraes, F. B. (2014). External examiner on board for Camila Marques Zyngier, Qualifying exam, PhD in Architecture, Federal University of Minas Gerais. *Planning Support Systems (PSS): Geovisualização no planejamento de paisagens urbanas.*

Mentoring Undergraduate Students at ISU

- *** Thomas O'Donnell: He volunteered to be my research assistant in Spring 2019, after taking a CRP class with Carlton Basmajian. Since then, he assists me with research projects such as the grant proposal for Bridging the Divide. He recently switched majors from environmental engineering to community and regional planning.
- *** Frances Nielsen: Frannie took my CRP 251 class, introduction to GIS, in the Spring 2019, and using the URA matching system, she was assigned to be my research assistant during the 2019-2020 academic year. Her poster "Relating Health Habits and the Built Environment: A Case Study of the River Bend Neighborhood" was selected to be presented at Research at the Capitol, 14th Symposium on Undergraduate Research & Creative Expression, and the 2020 National Conference on Undergraduate Research. Unfortunately, all three events were cancelled because of the COVID-19 pandemic.
- *** Stu Burzette: Stu took my advanced GIS class in the Spring 2018, and became my URA soon after that, through the work & study program. His tasks were related to the Micropolitan research project, specifically he work on "Examination of Economic Resilience and Regional Capacity in the Midwest." In Spring 2019, he was selected to present a poster about his micropolitan research at three events: Research at the Capitol, 13th Symposium on Undergraduate Research & Creative Expression, and the 2019 National Conference on Undergraduate Research.
- *** Kelly Naumann: A CRP undergraduate student who was in the Honors Program. During the Summer 2017, I was her advisor for her Final Project "Examining the Complexities of Urban Water and Sanitation in Latin America," and mentored her towards moving to graduate school. Kelly was a distance runner student athlete; she took my advanced GIS class in the Spring 2018.
- *** Daniela Propst: A CRP undergraduate student who took my CRP 460 in the spring 2016. She demonstrated a high potential to succeed as a planner. In 2017, I nominated Miss Propst and she was awarded the prestigious Wallace E. Barron All-University Senior Award.
- *** Laurelin Haas: Haas was a CRP undergraduate student selected to participate in the Research in the Capitol event on March 29, 2016. Haas's research poster - "Site Suitability Analysis for Student Housing in Ames, Iowa" - used multiple spatial criteria to examine different scenarios for student housing development. Haas's poster won first place in the Iowa American Planning Association (APA) Student Poster Contest on October 20, 2016. Haas also presented her poster

on April 5, 2016 at the ISU Undergraduate Research Symposium and on November 30, 2016 at the ISU Honors Poster Presentation.

*** Lauren Whetstone: A CRP undergraduate student who participated in the APA Iowa Poster Contest held at the Sioux City APA Conference in the fall of 2015. She created a poster entitled "Planning for the Future of the Sioux City Farmers' Market" where she suggested policies and plans to ensure that the Farmers' Market had a permanent location. She used GIS to map out the proposed locations and also interviewed a few key members including the Sioux City Chamber of Commerce, Farmers' Market chair members, and a local food policy group. Whetstone went on to win third place in the contest.

*** Molly Carpenter: A CRP undergraduate student who was selected to participate in the event "Research in the Capitol" on April 01, 2014, in Des Moines, IA. Carpenter's research poster—"Housing Market in College Towns: The Case of Ames, Iowa"—examined the relationship between the Ames population (including students and non-students) and the housing stock. She used GIS to analyze the housing market as a whole, as well as local housing and demographic data. Molly also presented her poster on April 15, 2014, at the ISU Symposium on Undergraduate Research and Creative Expression.

Bethany Wilcoxon: A CRP undergraduate student who was selected to participate in the event "Research in the Capitol" on March 10, 2008, in Des Moines, IA. Wilcoxon's research poster—"The Corn Belt's Ethanol Plants: Do Locational Factors Matter?"—examined the locational factors for ethanol production to determine the optimal locations of ethanol plants, and then compared those locations with the actual and proposed locations of these plants.

Kelly Delmonico: A CRP undergraduate student who was selected to participate in the event "Research in the Capitol" on March 5, 2007, in Des Moines, IA. Delmonico's research poster—"Social Programs and the Needy: Is Allocation Equitable in Iowa?"—focused on three social programs in Iowa and analyzed whether each program was reaching its target population.

5 – POSITION RESPONSIBILITIES: INSTITUTIONAL SERVICE

University

*** Elected member representing Art and Humanities - ISU Graduate Council: Fall 2019 to present.

- Member of the Graduate College Appeals Committee (Spring 2020)

*** College of Design Equity Advisor: January 2016 to present.

- Summer 2020: write report about the survey results on Gender & Equity issues among staff, term faculty, and tenured/tenure track faculty (forthcoming).
- Fall 2019 & Spring 2020: designed survey instrument to examine Gender & Equity issues among staff, term faculty, and tenured/tenure track faculty.
- Fall 2017 & Spring 2018: wrote A Report on Gender & Equity for the Faculty in the College of Design

- Spring 2016 & Fall 2016: awarded grant to organize and attended Dr. Gay workshop

*** CRP Senator: August 2015 to May 2016 (finalizing Gary Taylor tenure).

*** Judiciary and Appeals Committee (Senate): August 2015 to May 2016 (finalizing Gary Taylor tenure).

*** Director of Certificate Studies (DOCS) for the ISU GIS Certificate: August 2003 to present.

*** ISU GIS Certificate Admission Committee: August 2003 to present.

*** ISU GIS Certificate Curriculum Committee: August 2003 to present.

CRP Senator (substituting Francis Owusu): Spring 2009

CRP representative at the Search Committee for the Dean of the College of Design: May 2008 to May 2009.

College of Design representative at the ISU Recognition and Faculty Development Board: August 2006 to May 2007.

Collegiate

*** Member of search committee for Chair of Department of Industrial Design: Fall 2019-present.

*** Member of search committee for College of Design Multicultural Liaison Officer: Spring 2019.

*** College-wide research course Ad Hoc Committee: Spring 2018 to Spring 2019

*** Member of search committee for the CoD Senior Associate Dean: Spring 2017

*** Diversity Committee member co-chair: October 2018 to October 2019.

*** Diversity Committee member: January 2017 to present

*** GIS Minor Committee member: Fall 2014 to present.

*** CRP representative at the GIS/GeoDesign High Impact Faculty Search Committee: Spring 2014.

*** CRP representative at the CoD international Program Advisory Committee: August 2013 to present.

*** CRP representative at the CoD Budget Advisory Committee: August 2013 to present.

*** CoD Budget Advisory Committee representative at the Research Extension and Outreach Council: August 2013 to May 2014.

*** CRP representative at the Ad Hoc Committee on College Governance Appendix: August 2013 to January 2014.

*** CRP representative at the College of Design Recognition and Faculty Development Board: August 2003 to May 2013.

*** CRP representative at the College Computer Advisory Board: August 2004 to 2017.

*** CRP representative at the Digital Media Minor group: August 2004 to December 2016.

Director, Design GIS Lab: August 2003 to May 2006.

CRP representative at the Design Representation Task Force: Spring, 2004.

Departmental

*** Inclusive Classroom CRP Facilitator, Fall 2020 (forthcoming).

*** Member of CRP Graduate Admission Committee: Fall 2017 to present.

*** Member of CRP Promotion and Tenure Committee: Fall 2009 to present.

*** Member of CRP Chair Review Committee: Fall 2012.

Member of the Search Committee for two (2) faculty positions: Spring 2008.

Member of the research workgroup for the Planning Accreditation Board Report Missions, Goals and Objectives: August 2007 to May 2008.

Member of the Search Committee for Associate Professor/Associate Chair: Summer 2005.

Member of the Search Committee for Program Assistant 1: Fall 2003.