

Curriculum Vitae

JOHN E. HASSE

hasse@rowan.edu

Department of Geography and the Environment
Rowan University
201 Mullica Hill Road
Glassboro, NJ 08028-1701
voice (856) 256-4500 x4812
fax (856) 256-4670

EDUCATION

Ph.D., Geography, May 2002

Rutgers University, New Brunswick, NJ

Dissertation: "Geospatial Indices of Urban Sprawl in New Jersey"

Master of Science in Urban Planning

Edward J. Bloustein School Planning and Policy Development

Rutgers University, New Brunswick, NJ, May 1999

Master of Science, Geography

Department of Geography

Rutgers University, New Brunswick, NJ, May 1998

International Space University Summer Session Program

Vienna, Austria, summer 1996

BA, Geography, 1995

Rowan University, Glassboro, NJ, May 1995

Graduated Summa cum laude GPA 3.96

EXPERIENCE

current position: Associate Professor. Department of Geography and Anthropology, Rowan University, Glassboro NJ, 2001 – present

Instructor. Geographic Information Systems, Department of Geography, Rutgers University, New Brunswick, NJ 1997 – 2001

Instructor. Geography of Public Lands of the American West, Department of Geography, Rutgers University, New Brunswick, NJ Summer 2000 and Summer 1999 [Designed and created field course with innovative use of teaching technologies and internet while traveling through the American West]

GIS Instructor / mentor. Woodrow Wilson Institute, Princeton, NJ, - Summer 2000 and Summer 1999 [Designed and created instructional environmental GIS laboratories for national group of teachers]

Instructor. Geographic Information Systems, County Environmental Commission training sessions, Camden County Library, Voorhees, NJ, 1997 – 2000

Courses Taught: (at Rowan)

GEOG 06.328 Environmental / Sustainable Planning
GEOG 06.327 New Jersey Planning Practice
GEOG 06.310 Land Use and Resource Development
GEOG 06.355 Metropolitan and Regional Planning
GEOG 06.193 Introduction to Mapping and Geographic Information Science
GEOG 06.360 Geographic Information Systems I
GEOG 06.415 Geographic Information Systems II
GEOG 06.111 World Regional Geography
GEOG 06.100 Introduction to Geography and Earth Studies
GEOG 06.493 Senior Research Seminar

RESEARCH & TEACHING INTERESTS

Land use geography, spatial metrics of urban sprawl and smart growth, transportation and land use interface, GIScience, Land-use and environmental planning, sustainable development, geographic education, the interface of land use, environmental planning and spatial analysis.

FUNDED RESEARCH PROJECTS

\$455,000 *Geospatial Facilities Mapping Internship.*, (2009 – 2016), New Jersey Army National Guard, Project PI. multi-year contract to map New Jersey's National Guard Readiness Centers.

\$19,249 *Analyzing County Zoning Patterns in New Jersey for Buildout.*, (2010), Fair Share Housing Center, GIS contract project to estimate affordable housing capacity of two New Jersey counties.

\$2,000 *Web Mapping Application Development for 'Rowan Card'.*, (2009), Rowan University office of the Bursar, GIS contract project to develop a web map

\$5,400 *Geospatial Land Use Modeling of New Jersey under Various Buildout Scenarios for Sprawl, Smart Growth, Open Space Preservation and Carbon Footprint.*, (2008-2011), Non-Salary Financial Support Grant, Rowan University

\$5,000 *SeaGirt Wind Turbine Siting Analysis Mapping.*, (2008), New Jersey Army National Guard., GIS contract project to develop mapping for a wind power potential study.

\$2,000 *Cape May Preliminary GIS Wind Study and Mapping.*, (2008), Integrated Systems INC., GIS contract project to develop mapping for a wind power potential study.

\$35,000 *A Municipal Report Card on Urban Growth in New Jersey*, (2007), Co-PI, analysis of development patterns in NJ utilizing the digital land use/land cover dataset. Center for Remote Sensing and Spatial Analysis, Rutgers University, funded by the Geraldine Dodge Foundation,

\$5,739 *Characterizing Sprawl and Facilitating Smart Growth in New Jersey Communities*, (2005), Separately Budgeted Research, Rowan University faculty grant

\$240,000 *Water Reuse for Gloucester County: Sustainable Solutions for Smart Growth*, (2005), Co-PI and team coordinator for geospatial analysis and modeling, funded by US EPA,

\$250,000 *Bridging Environmental Information to the Local Community*, (2004), US Environmental

Protection Agency, community outreach project. Co-PI and team coordinator for Geographic Information System (GIS) development

\$3,200 Spatial Patterns of Tobacco Usage on Three New Jersey Campuses. Rowan University Center for Addiction Studies, 2002-2003

\$4,200 "The New Jersey Digital Land Dataset Comparison and Integration Analysis" New Jersey Department of Environmental Protection, Co-PI from Rutgers University Center for Remote Sensing and Spatial Analysis, 2001-2002

\$6,000 "Public Access Geographic Information for Camden County New Jersey" Camden County Environmental Commission

\$12,000 "Multi-Media/GIS-based Natural Resource Inventory and Protection Plan for South Harrison Township, Gloucester County, New Jersey" New Jersey Department of Environmental Protection Watershed Management Public Education and Outreach Grant, 1998

ADDITIONAL EXTERNAL GRANTS SUBMITTED

[Favorably Reviewed but Not Funded]

[*Evaluating an Impervious Surface-Based TDR Program Using Agent-Based Modeling of Land-Use/Land-Cover Change with Geospatial Indicators.*](#), National Science Foundation, project PI, \$293,180 submitted August 2010

[*Buildout Modeling an Impervious Surface-Based TDR Program for Smart Growth and Sustainability.*](#), National Science Foundation, project PI, \$224,697 submitted January 2010

[*CDI-Type I: Cyber-Mining Geospatial Gold from Digital Earth Databases: Utilizing cyber-mapping technologies to model, analyze and inform urban spatial form for sustainable growth.*](#), National Science Foundation, project PI, \$406,139 submitted May 2009

[*Buildout Modeling an Impervious SurfaceBased TDR for Smart Growth, Open Space Preservation, and Carbon Footprint.*](#), National Science Foundation, project PI, \$135,390 submitted January 2009

An integrated risk assessment and disaster response strategy for tsunami affected coastal communities., National Science Foundation, project Co-PI \$74,957 submitted January 2005

Integrating Landscape Change and Socioeconomic Geospatial Tools for Community Growth Analysis and Support., National Science Foundation, project Co-PI \$492,575 submitted March 2004

Development of the Mantua Creek Experimental Watershed., National Science Foundation, project Co-PI \$124,958 submitted December 2002

REFEREED PUBLICATIONS

Hasse, John E. and Dornish, Vanessa, 2009, [*"Integrating Impervious Surface Management and Smart Growth Development in New Jersey."*](#) *Middle States Geographer*, Vol 49

Hasse, John E. and Knee, Andrew, 2007, [*"Evaluating the Effectiveness of the Pinelands Management Plan."*](#) *Middle States Geographer*, Vol 40

Hasse, John E. and Charles Colvard, 2006, "[Inverse Distance Learning: Digitally Enhancing a Geography Field Course,](#)" *Journal of Geography*, 105:167-174

Moffett, Donna and **John E. Hasse**, 2006, "[Looking for the Relationship Between Sprawl and Water Quality: a Case Study of Gloucester County, NJ,](#)" *Middle States Geographer*, Vol 39

Hasse, John E. and Andrea Kornbluh, 2004, "[Measuring Accessibility as a Spatial Indicator of Sprawl,](#)" *Middle States Geographer*, Vol 36

Hasse, John E. 2004, "[A Geospatial Approach to Measuring New Development for Characteristics of Sprawl,](#)" *Landscape Journal: Design, Planning and Management of the Land*.

Hasse, John E., John Reiser, and Jenifer Misner, 2003, "[Characterizing the Land Use/Land Cover Conditions of Two New Jersey Watersheds,](#)" *Middle States Geographer*. Vol 35

Hasse, John E. and Richard G. Lathrop, 2003, "[Land Resource Impact Indicators of Urban Sprawl,](#)" *Applied Geography*, Vol 23/2-3 pp.159-175

Hasse, John E. and Richard G. Lathrop, 2003, "[A Housing Unit Approach to Characterizing Residential Sprawl,](#)" *Photogrammetric Engineering & Remote Sensing: Journal of The American Society for Photogrammetry and Remote Sensing*, Vol 69, No 9 pp. 1021-1029

Tulloch, David, Myers, J., **Hasse, J.**, Parks, P., and Lathrop, R., 2003, "[Integrating GIS Into Farmland Preservation Policy and Decision Making,](#)" *Landscape and Urban Planning*, 63 (2003) 33-48

BOOK CHAPTERS

Hasse, John E., 2009, "[Final Harvest in the Garden State: New Jersey's Struggle with Suburban Sprawl!](#)" in *Earthcare: An Anthology in Environmental Ethics*, editors David Clowney and Pat Mosto, Rutledge Press

Hasse, John E., 2007, "[Using remote sensing and GIS integration to identify spatial characteristics of sprawl at the building-unit level,](#)" book chapter in *Integrating Remote Sensing and GIS*, edited by Victor Mesev, John Wiley & Sons, London

Lathrop, Richard G. and **John E. Hasse**, 2006, "Tracking New Jersey's Changing Landscape," book chapter in *New Jersey's Environment: Past, Present and Future*, Rutgers University Press, New Brunswick, New Jersey

OTHER PUBLICATIONS

Hasse, John E. and Richard G. Lathrop, 2011, "[Two Possible NJ Landscapes in the Year 2021,](#)" *NJ Monthly Magazine*. January 2011

Hasse, John E. and Richard G. Lathrop, 2010, *Changing Landscapes in the Garden State: Urban Growth and Open Space Loss in New Jersey from 1986 to 2007*. Report published by the Rowan Geolab. Available at <http://gis.rowan.edu/projects/luc/>

Hasse, John E., 2010, contributor to "Protecting Water Quality in the Barnegat Bay Watershed," sponsored by the Pinelands Alliance

Hasse, John E. and Richard, G. Lathrop, 2007, *Tracking New Jersey's Dynamic Landscape: Urban Growth*

and Open Space Loss 1985-1995-2002, Research Report, Published by the Rowan Geospatial Research Laboratory

Hasse, John E., 2007, "Educating Environmentally Friendly Planners," *Field Notes: Environmental Education in America*, Issue XIV US Fish and Wildlife Service

Hasse, John E., 2006, *A Geographic Evaluation of Gloucester County Commuter Rail Options*, Research Report, Published by the Rowan Geospatial Research Laboratory. Available at <http://users.rowan.edu/~hasse/glocorail/>

Lathrop, Richard G., and **John E. Hasse**, 2003, "Tracking New Jersey's Changing Landscape," *proceedings of the New Jersey Environmental Sustainability Conference*, Trenton New Jersey p.23

Davis-LaMastro, and **Hasse, John E.**, 2003, "Optimal Tobacco Policies for Collegiate Institutions: Content and Rationale," a Publication of the *New Jersey Higher Education Consortium, New Jersey Collegiate Tobacco Control Initiative*, Rowan University, Glassboro, NJ

Hasse, John E., 2002 *Encyclopedia of New Jersey*, Contributing Author – entry on SPRAWL, Rutgers University Press, New Brunswick, New Jersey

Hasse, John E., 1999 "Introducing Environmental Geographic Information to the Public: The Camden County, (NJ) Public Access GIS," Camden County Environmental Commission

Hasse, John E., 1999 "RU 2000: Campus Master Plan for Rutgers University in the 21st Century," Masters Project, Bloustein School of Planning, Rutgers University, New Brunswick, NJ

PROFESSIONAL CONTRIBUTIONS

[New Jersey Task Force on Transfer Development Rights](#), invited expert for task force to reevaluate New Jersey TDR planning mechanisms, Trenton, NJ, December 2009 - August 2010

[Salem County Task Force on Transfer Development Rights](#), invited expert for task force to develop regional TDR planning mechanisms, Salem, NJ, January 2010 - 2011

[US Green Building Council, LEED ND Correspondence Committee](#), providing expert advice on design of LEED-ND smart growth rating system. 2008

Expert Witness, testified as land development expert to the Millville Planning Board, Spring 2006

NJ Network documentary, [The Race for Open Space in New Jersey](#). Expert interview regarding sprawl in New Jersey.

New Jersey Division of Fish and Wildlife's Endangered and Nongame Species Program (ENSP), peer review committee for New Jersey's Landscape Project GIS map for endangered and threatened species.

[Garden State Greenways Technical Advisory Committee](#), New Jersey Conservation Foundation

New Jersey Atlas, development committee, Rutgers University Press.

Media Coverage (selected)

"Builders Move Beyond McMansions in New Jersey," *New York Times*, October 5th, 2010
<http://www.nytimes.com/2010/10/06/realestate/06density.html>

"Down to Its Last Million Acres," *New York Times*, August 29, 2010
http://www.nytimes.com/2010/08/29/realestate/29Njzo.html?_r=1

OP-ED, **John E. Hasse** and Richard G. Lathrop, "Is New Jersey Running Out of Space?" August 29, 2010
The Star Ledger, http://www.northjersey.com/news/opinions/landlocked_082910.html

Radio Interview, about "the Continual Growth of South Jersey", *A Community Affair* with host Rachael Burgess, Rowan Radio, August 23, 2010
<http://www.rowan.edu/onthego/player.php?podcast=http://www.rowan.edu/today/data/cast/CA20100823.mp3>

"Crunch Hits Open Space Funds," *The Wall Street Journal*, August 6th, 2010
<http://online.wsj.com/article/SB10001424052748703748904575411690085797942.html?KEYWORDS=d+avila>

"Report Says NJ Saw Record Sprawl Over Two Decades," *The Princeton Review*, August 5, 2010
http://www.centraljersey.com/articles/2010/08/11/the_princeton_packet/news/doc4c5b7be2643ab205242790.txt

"Rowan, Rutgers study says N.J. is Running Out of Open Space, Renews Urban Sprawl Debate," *The Star Ledger*, July 28, 2010
http://www.nj.com/news/index.ssf/2010/07/rowan_rutgers_study_says_nj_is.html

"A Fight for Farmland in S. Jersey," FRONT PAGE Philadelphia Inquirer, April 25, 2004

"The 'Green' House Effect: Making home environmentally friendly is also economically rewarding,"
Courier Post, April 2, 2004.

Invited Op Ed - "Recognizing the Value of Regional Planning: The Growth Agenda Needs to Preserve a Rural Landscape," NJ Neighbors section of the Philadelphia Inquirer September 28, 2003

Invited Op Ed - "[Revisiting the Glassboro Commuter Light Rail](#)" NJ Neighbors section of the Philadelphia Inquirer August 3, 2003.

Invited Op Ed - "[Responsible Growth Key for New Jersey](#)," NJ Neighbors section of the Philadelphia Inquirer March 16, 2003

Interviewed Expert on Sprawl - New Jersey Network Documentary, "[The Race for Open Space](#)," NJN Public Television & Radio, Trenton, NJ. aired April 25 & April 26, 2003

"NJN Spells it Out: A Call to End Urban Sprawl," Garden State Press, June 4, 2003

"Towns Offered Help In GIS Technology For Future Planning," *The SandPaper*, March 19th 2003

"Governor promises reforms for sprawl," *The Star-Ledger*, October 23, 2002

"New Jersey Facing an Era of Maximum Sprawl," FRONT PAGE Philadelphia Inquirer, August 25, 2000

PUBLICATIONS PENDING

“Impervious Cap and Trade: a Conceptual Framework for an Alternate TDR,” for submission to the *Journal of the American Planning Association*.

“Finding the Right Track for Smart Growth in Southern New Jersey: evaluating commuter rail extension route alternatives for achieving goals of the State Plan,” for submission to *Transportation and Land Use*

“Analyzing Accessibility of Alternate Rail Corridor Routing in Southern New Jersey,” for submission to *Transport Geography*

“An Open Source Approach to Animating Web-based Maps” for submission to *Cartographica*

PROFESSIONAL PRESENTATIONS

“Two Decades of Land Use Change in the Pinelands” invited presentation to the NJ Pinelands Commission, December 12, 2010

“Creating Animated Web Mapping for the NJ Changing Landscape Project,” Invited presentation, NJ Geospatial Forum, September 24, 2010

“New Jersey’s Changing Landscape: 1986 – 2007” invited presentation by the Delaware Valley Regional Planning Commission for a workshop on *Open Space Preservation held* at Stockton State College, September 10, 2010

“The Importance of Land Use for Transit Functionality,” invited presentation for the *New Jersey State Transportation Conference & Expo*, April 30, 2010, Atlantic City

“Integrating LEED-ND with Impervious Surface TDR for Smarter Growth,” Association of American Geographers Annual Conference, April 2010 in Washington DC

“Leadership in Energy and Environmental Design for Neighborhood Development (LEED-ND) Pilot Projects,” NJ Chapter of the Congress for New Urbanism, Rowan University, Glassboro, NJ, April, 18 2010

“LEED for Neighborhood Design, Evaluation of Glassboro Central Business District Redevelopment,” Green Paradigm Forum, Pedricktown, NJ, March, 2010

“Land Use Strategies for Protecting Water Quality in the Pinelands and Coastal Estuaries: Reversing the Barnegat Bay Crisis,” the Pinelands Science-Policy Forum, McGuire-Dix-Lakehurst Joint Base, Lakehurst, NJ, March, 2010

“Using GIS for Environmental Protection in the Delaware Bayshore,” Association of New Jersey Environmental Commissions, Rowan University, Glassboro, NJ, March, 2010

“Finding the Right Track to Smart Growth in New Jersey,” invited key note speaker, Delaware Valley Geographic Association, West Chester, PA, November, 2009

"Integrating Impervious Surface Management and Smart Growth Development in New Jersey," Middle States Association of American Geographers Conference, New Paltz, NY, November, 2009

"Web-based GIS Applications for Planners," New Jersey American Planning Association, New Brunswick, NJ, November, 2009

"Sprawl and Smart Growth in New Jersey: The US Green Building Council LEED for Neighborhood Development," Rutgers Department of Landscape Architecture, Rutgers University, New Brunswick, NJ, February, 2009

"A Geographic Evaluation of Gloucester County Commuter Rail Corridors," Underwood Hospital, Woodbury, NJ, February, 2009

"A Geographic Evaluation of Gloucester County Commuter Rail Corridors," NJ Department of Transportation Headquarters Ewing, NJ, January, 2009

"A Geographic Evaluation of Gloucester County Commuter Rail Corridors," NJ Association of Rail Passengers, Teaneck, NJ, October 2008,

"A Geographic Evaluation of Gloucester County Commuter Rail Corridors," NJ State Planning Commission, Trenton, NJ, October 2008

"A Geographic Evaluation of Gloucester County Commuter Rail Corridors," Southern New Jersey Economic Development Council, Rowan University, Glassboro, NJ, March 2008,

"Evaluating Alternate Commuter Rail Corridors in Southern New Jersey," Annual Conference of the Association of American Geographers, San Francisco CA, April 2007

"Analyzing Commuter Rail Options in Gloucester County," Southern New Jersey Economic Development Council, November, 2006 and Delaware River Port Authority, December, 2006

"Looking for the Relationship between Sprawl and Water Quality," Middle States Association of American Geographers Conference, Rutgers University, New Brunswick, NJ, October, 2006

"Tracking New Jersey's Wetland Loss," 7th Coastal and Estuarine Shallow Water Science and Management Conference, Wetlands Group: US EPA, Atlantic City, NJ, September, 2006

"Geospatial Land Impact Analysis of Wawa Tract Development Proposal," Citizens United to Protect the Maurice River, Inc., Millville Public Library, May, 2006

"Is it Sprawl or Smart Growth? An Accessibility Approach to Grading Urban Form," Annual Conference of the Association of American Geographers, Chicago, IL, March, 2006

"Environmental Literacy in College Education," Genesis Farm Environmental Learning Center, Blairstown, NJ, October, 2005

"Land Planning for Ecological and Community Integrity" Genesis Farm Environmental Learning Center, Blairstown, NJ, April, 2005

"Integrating Watershed Protection with Transfer of Development Rights to Achieve Smarter Growth," Annual Conference of the Association of American Geographers, Denver, CO, March, 2005

"New Paradigm Needed for Urban Geospatial Analysis," Invited position paper author, Population-Environment Research Network, Cyber Seminar on Urbanization and Environment, Columbia University, December, 2004

"Integrating Watershed Protection with Transfer of Development Rights to Achieve Smarter Growth," Centennial Meeting of the Association of American Geographers, Philadelphia, PA, March, 2004

"Measuring Accessibility as a Spatial Indicator of Sprawl," Middle States Meeting of the Association of American Geographers, Villanova University, Philadelphia, PA, October, 2004

"Integrating Watershed Protection with Transfer of Development Rights to Achieve Smarter Growth," USEPA Watershed Summit on the Delaware, Wilmington, DE, September, 2004

"Characterizing Two New Jersey Watersheds," Middle States Conference of the Association of American Geographers, Albany, NY, October, 2003

"A Multimedia Approach to Delivering Environmental Information to Local Stakeholders," Middle States Conference of the Association of American Geographers, Albany, NY, October, 2003

Princeton University - Invited speaker on "Remote Sensing and GIS tools and Their Application," *Conference on Migration, Urbanization, and Health*, Princeton University, Program in Urbanization and Migration: Center for Health and Wellbeing, September, 2003

"Bridging Environmental Information to the Local Community," *Conference on Community Outreach*, US Environmental Protection Agency, Philadelphia, July, 2003

"GIS Approaches to Measuring Sprawl," invited presenter, *Science of Sprawl Conference*, sponsored by the New Jersey Center for Environmental Indicators, Trenton New Jersey, May, 2003

"Utilizing Geographic Information Systems for Community Involvement," Camden, Waterfront South Redevelopment Plan presentation, April, 2003

"Identifying and Measuring Urban Sprawl in New Jersey," invited speaker, the Jacques Cousteau National Research Reserve, Tuckerton, NJ, March, 2003

"A Housing Unit-Level Approach to Characterizing Sprawl with Geospatial Technologies," Annual Meeting of the Association of American Geographers, New Orleans, LA, March, 2003

"Analysis of Urban Sprawl in New Jersey," invited speaker, New Jersey Department of Environmental Protection:, *Blueprint for Intelligent Growth (BIG) map introductory meeting*, Trenton, New Jersey, January, 2003

"Analytical Approaches to Measuring Urban Sprawl," guest lecture, *Research Methods* class, Rutgers University Department of Geography, December, 2002

"A Dozen Measures in Search of Reality: Geospatial Indicators of Urban Sprawl," moderated paper presentation at the Annual Meeting of the Association of Collegiate Schools of Planning, Baltimore, MD,

November, 2002

"Integration of Land Cover Mapping," seminar presentation for the New Jersey Center for Environmental Indicators, New Brunswick, NJ, October, 2002

"Preserving Open Space in the Garden State," invited keynote speaker for the Annual Meeting of the Old Pine Farm Natural Lands Trust, October, 2002

"Inverse Distance Learning: Using the Internet in a Geography Field Course," professional paper presentation at the Annual Meeting of the National Council for Geographic Educators, Philadelphia, PA, October, 2002

"Measuring Spatial Characteristics of Urban Sprawl Versus Smart Growth", Annual meeting of the American Association of Geographers, Los Angeles, CA, 2002

"Landscape-Level Indices of Urban Sprawl in New Jersey," Annual meeting of the American Association of Geographers, New York, NY, 2001

"Race to Save the Garden: New Jersey's Urban and Open Space Future," Middle States Association of American Geographers, Wilkes Barre, PA, 2000

"Urban Sprawl: Land Use and the Implications for Global to Regional Scale Environmental Change," Woodrow Wilson Institute, Princeton, NJ, 2000

"New Jersey's Race for Open Space Preservation," Camden County Library, Voorhees, NJ, 2000

"Farmland Fragmentation in the Garden State: Patterns of Urbanization and Farmland Loss in New Jersey," Annual Meeting of the Association of American Geographers, Pittsburgh, PA, 2000

"Camden's Public Access Geographic Information System," Annual Conference on GIS, Urban Regional Information Systems Association, Rutgers University, 2000

"The Garden State's Vanishing Harvest: Patterns of Land Development and Farmland Loss in Southern New Jersey," Middle States Geographer's Conference, West Chester University, West Chester, PA, 1999

"Public Access Geographic Information System for Camden County, New Jersey," Annual Meeting of the Mid Atlantic Chapter of the Urban Regional Information Systems Association, 1999

"Using GIS for Open Space Planning in Camden County," Camden County Environmental Commission workshop, 1999

"The Value of Green in the City: Correlating Housing Values to the Urban Forest Complex," Congress of the International Association of Landscape Ecology, Snowmass, CO, 1999

"Patterns of Farmland Loss in Southern New Jersey," Keep America Growing Conference, Philadelphia, PA, 1999

"Comparison of GIS updating techniques in New Jersey," Annual Meeting of the Middle States Association of American Geographers, Rutgers University, New Brunswick, NJ, 1998

“Protecting the Environment with a Computer: Geographic Information Systems in Camden County NJ,” Camden County Library, NJ, 1998

“Adding Good LUCC to GIS: a Logical Land Use / Cover Change Method for Updating GIS with Remote Sensing,” Annual Meeting of the Association of American Geographers, Boston, MA, 1998

“A Logical Progression Method for Updating GIS with Remote Sensing,” North East Arc / INFO Users Conference, poster presentation

“The Story of New Jersey’s Changing Landscape; the Geologic Past up through Modern Urban Sprawl,” Genesis Farm Environmental Center, Blairstown, NJ, 1997

“Using GIS to Monitor Farmland Loss in Gloucester County, NJ,” NJ Historic Preservation Annual Conference, Haddonfield, NJ, 1997

“It Really Does Take a Village: Community Involvement in Local Zoning,” Genesis Farm Environmental Center, Blairstown, NJ, 1997

“Mapping Farmland Loss in New Jersey From Outer Space,” poster presentation, Space Technologies Conference, Int'l Space University, Vienna, Austria, 1996

“Multi Media in Geography Education,” Department of Geography, Rutgers University, 1996, colloquium address

“Report of the Ad-hoc Committee for Land Use Zoning Changes to Preserve Open Space,” South Harrison Twp. zoning board of adjustment, Gloucester Co., 1996

PEER REVIEWER

- the *Professional Geographer*
- *Environment and Planning B*
- *Landscape and Urban Planning*
- *Computers, Environment and Urban Systems*
- *Journal of Geography*
- the National Science Foundation
- Hunter College Internal Grant Program
- several manuscripts for book chapters

CURRICULUM ACTIVITIES

Architect for the integration of the [Environmental Studies program with the Department of Geography](#), to become the Department of Geography and the Environment, 2010

Designed and sponsored the curriculum for a new Bachelor of Science degree in **Planning**, Rowan University, 2010

Co-designed and sponsored the curriculum for a new Bachelor of Science in **Geographic Information Science**, Rowan 2010

Designed and sponsored the curriculum for a new Bachelor of Arts degree in **Integrated Studies in**

Geography and the Environment, Rowan University, 2010

Co-designed and co-sponsored the draft curriculum for a new Bachelor of Science in **Architecture**, Rowan University, 2010

Co-sponsored a new Concentration in **Geographic Knowledge**, Rowan University, 2010

Co-designed and co-sponsored a new Concentration in **Global Issues**, Rowan University, 2010

Co-designed new Geography specialization: **Anthropology / Human Geography**, Rowan University, 2008-2009

Co-designed and co-sponsored a new Concentration in **GIS**, Rowan University, 2008-2009

Designed and sponsored a new Concentration in **Planning**, Rowan University, 2008 - 2009

New Courses Designed and Sponsored Through Curriculum Committee

GEOG 06.100 Introduction to Geography and Earth Studies

GEOG 06.200 Introduction to Planning

GEOG 06.316 Geography Research Clinic/Studio

GEOG 06.317 Community Planning and Site Design

GEOG 06.318 Geospatial Modeling

GEOG 06.319 Geovisualization

GEOG 06.328 Environmental / Sustainable Planning

GEOG 06.327 New Jersey Applied Planning Practice

GEOG 06.370 Water Resources Planning

COMMUNITY CONTRIBUTIONS

Glassboro Rowan Boulevard, managed graduate research assistant for major project. Application support for LEED for Neighborhood Development US Green Building Council Certification

Main Street Glassboro Downtown Revitalization, committee member

Glassboro Train Station Restoration, committee member

GIS Training Workshops at Rowan University

Encyclopedia of New Jersey, contributing author regarding sprawl

Garden State Greenways Technical Advisory Committee, a joint effort between the New Jersey Conservation Foundation and the NJ Department of Environmental Protection Green Acres Program to develop a statewide open space master plan, 2001

Rowan University Master Planning Committee, expert analysis of sprawl, smart growth and green building practices for campus development

New Jersey Department of Environmental Protection, research collaboration regarding urban growth analysis

New Jersey Department of Environmental Protection, research collaboration regarding digital land use / land cover comparison and analysis

Main Street Glassboro Design Committee, Volunteer for GIS development, Glassboro, New Jersey

Open Space Plan Steering Committee, GIS specialist - South Harrison Township Zoning / Planning Board, Gloucester County, NJ

Oldmans Creek Watershed Association, GIS specialist and program development, watershed mapping, outreach

CONSULTING

Designed and developed an award-winning user-friendly public access GIS system for Camden County Environmental Commission, Voorhees, NJ <http://www.crssa.rutgers.edu/people/jhasse/pagicc/>

Designed and developed a municipal Electronic Natural Resource GIS CDROM for South Harrison Township, NJ http://www.crssa.rutgers.edu/people/jhasse/enri_html/

PROFESSIONAL AFFILIATIONS

Association of American Geographers

American Planning Association

American Society of Photogrammetry and Remote Sensing

National Council for Geographic Education

COMMITTEE POSITIONS

Rowan University Master Planning Committee 2007 – present, Co Chair

Rowan University President's Council on Sustainability 2007 - present

Rowan Committee on Campus Environment and Aesthetics 2006 - 2009

Rowan Task Force on Exploring a new Degree in Architecture 2008 - 2010

Chair of the Subcommittee for Land Use, Building Siting and Environment 2005 - 2007

Department Committee on GIS Program Development 2006 - present

Department Senator, Rowan Faculty Senate 2005 - 2009

Department Committee on Web Page Development 2005 - present

Rowan Committee on Grants and Research 2005

Rowan Technology Committee 2004

AWARDS

Environmental Achievement Award, Association of New Jersey Environmental Commissions for development of Public Access GIS for Camden County, 1999

University Fellowship, Rutgers Graduate School, 1995

Distinguished Academic Achievement in Geography, Delaware Valley Geographical Association, 1995

Marius H. Livingston Memorial Scholarship, Rowan University, 1994- 1995

LANGUAGES

German – working knowledge

Spanish – working knowledge