

Curriculum Vitae

JOHN E. HASSE

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Department of Geography, Planning & Sustainability
Rowan University
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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
Certificate in Remote Sensing
Vienna, Austria, summer 1996

BA, Geography, 1995
Rowan University, Glassboro, NJ, May 1995
Graduated Summa cum laude GPA 3.96

PROFESSIONAL LICENSURE

American Institute of Certified Planners (AICP) (2007-present)
New Jersey Profession Planner in Training

EXPERIENCE

Current position: Professor of Geography, Rowan University, Glassboro NJ, 2001 – present (chair 2010-September 2016)

Director, Community and Environmental Planning B.S. Program

Founder and director of the **Rowan Geospatial Research Lab** – the Department of Geography, Planning and Sustainability's center for GIS, remote sensing and spatial analysis (2007-present)

RESEARCH & TEACHING INTERESTS

Sustainable land-use and environmental planning, public access web GIS tools for sustainable planning, geography education, Big History in core education, storytelling, land use geography, spatial metrics of urban sprawl and smart growth, environmental impacts of development patterns, transportation and land use interface, light rail, GIScience.

Courses Taught: (at Rowan)

PLAN 31.389 Environmental / Sustainable Planning (wrote and developed course)
PLAN 31.385 New Jersey Planning Practice (wrote and developed course)
PLAN 31.386 Land Use and Conservation
PLAN 31.383 Metropolitan/Regional Planning
PLAN 31.100 Earth, People & Environment (planner's version - wrote and developed course)
GEOG 16.160 Introduction to Mapping and Geographic Information Science (co- developed course)
GEOG 16.260 Geographic Information Systems I
GEOG 16.360 Geographic Information Systems II
GEOG 16.140 World Regional Geography
GEOG 16.110 Cultural Geography
GEOG 16.100 Earth, People & Environment (wrote and developed course)
GEOG 16.493 Senior Research Seminar

FUNDED RESEARCH PROJECTS

\$60,000: TNC – Conservation Blueprint 2025, Nature Conservancy, 4/4/2025 - 10/31/2025

\$30,000: NJ MAP - Kirby 2025 Operational Support, F.M. Kirby Foundation. 12/20/24 - 12/19/2025

\$200,000: NJ State Development and Redevelopment Impact Assessment – Co-PI, Office of Planning Advocacy, 8/22/2024 -9/29/2025

\$282,749: Geospatial Support Internship for the State Agricultural Development Committee, NJ Department of Agriculture, 7/1/2024 -12/31/2025

\$246,454: National Guard Facilities GIS Internship Program, Year 3, NJ Dept. of Military and Veteran Affairs (NJDMAVA) -10/01/2024- 09/30/2030

\$195,000: GSPT support for NJ Conservation Blueprint, NJ Garden State Preservation Trust, 7/01/2024 - 6/30/2026

\$74,000: Habitat Change Analysis, NJ Department of Environmental Protection (NJDEP), 4/1/2024 - 10/31/2025

\$29,680: Remaining Lands Analysis 2024, Fair Share Housing Center, 12/1/2023 -12/30/2024

\$40,000: NJ State Development and Redevelopment Update Initiative – Mapping Support Team, NJ Office of Planning Advocacy, 7/1/2023 -12/30/2024

\$30,000: NJ MAP - Kirby 2024 Operational Support, F.M. Kirby Foundation. 10/31/23 - 6/30/2024

\$60,000: TNC - CBP Blueprint Explorer Phase II, Nature Conservancy, 9/18/2023 - 12/30/2024

\$58,000: *NJ MAP – Dodge Operational Support*, The Geraldine R. Dodge Foundation, 7/1/2023 - 6/30/2024

\$75,000: *NJ Garden State Preservation Trust Conservation Blueprint Program CY 23*, NJ Garden State Preservation Trust, 1/1/2023 - 12/31/2023

\$10,000: *OPA Warehouse Mapping Support 2023*, NJ Office of Planning Advocacy, 4/1/2023 - /30/2023

\$130,000: *2023 Geospatial Support Internship for the State Agricultural Development Committee - NJ Department of Agriculture*, NJ Department of Agriculture, 1/1/2023 - 12/31/2023

\$25,000: *NJ MAP Operational Support 2023*, F. M. Kirby Foundation, 1/1/2023 - 12/31/2023

\$50,000: *Conservation Blueprint Phase 6, Blueprint Explorer 2.0 development*, Nature Conservancy, 7/31/2022 - 9/30/2023

\$58,000: *NJ MAP - Dodge 2022-2023*, The Geraldine R. Dodge Foundation, 7/1/2022 - 6/30/2023

\$50,000: *NJ Garden State Preservation Trust Conservation Blueprint Program CY 22*, NJ Garden State Preservation Trust, 6/15/2022 - 12/31/2022

\$130,000: *2022 Geospatial Support Internship for the State Agricultural Development Committee - NJ Department of Agriculture*, NJ Department of Agriculture, 1/1/2022 - 12/31/2022

\$20,000: *NJ MAP Operational Support 2022*, F. M. Kirby Foundation, 1/1/2022 - 12/31/2022

\$65,000: *NJ MAP - Dodge 2022*, The Geraldine R. Dodge Foundation, 7/1/2021 - 6/30/2022

\$35,000: *Conservation Blueprint Phase 5, Newark Greenprint Project*, The Nature Conservancy, 1/31/2021 - 12/31/2021

\$50,000 *NJ Garden State Preservation Trust Conservation Blueprint Program FY 21*, NJ Garden State Preservation Trust, 1/1/2021 - 12/31/2021

\$223,544: *National Guard Facilities GIS Internship Program, Year 1*, NJ Dept. of Military and Veteran Affairs, 10/1/2023 - 9/30/2024

\$224,172: *National Guard Facilities GIS Internship Program, Year 1*, NJ Dept. of Military and Veteran Affairs, 10/1/2022 - 9/30/2023

\$224,618: *National Guard Facilities GIS Internship Program, Year 1*, NJ Dept. of Military and Veteran Affairs, 10/1/2021 - 9/30/2022

\$193,329: *National Guard Facilities GIS Internship Program, Year 1*, NJ Dept. of Military and Veteran Affairs, 10/1/2020 - 9/30/2021

\$20,000: *NJ MAP Operational Support 2020-2021*, F. M. Kirby Foundation, 7/1/2020 - 6/30/2021

\$65,000: *NJ MAP*, The Geraldine R. Dodge Foundation, 7/1/2020 - 6/30/2021

\$130,360: *Geospatial Support Internship for the State Agricultural Development Committee - NJ Department of Agriculture*, NJ Department of Agriculture, 6/30/2020 - 6/30/2021

\$36,000: *NJ Garden State Preservation Trust Conservation Blueprint Program*, NJ Garden State Preservation Trust, 7/1/2019 - 6/30/2020

\$20,000: *NJ MAP Operational Support 2019-2020*, F. M. Kirby Foundation, 9/12/2019 - 6/30/2020

\$65,000: *NJ MAP Operational Support 2019 – Dodge*, The Geraldine R. Dodge Foundation, 7/1/2019 - 6/30/2020

\$30,500: *NJ MAP Camden Green+Healthy*, New Jersey Conservation Foundation, 12/31/2018 - 10/31/2020

\$50,000: *Nature Conservancy - NJ Blueprint- Paulinskill Study 2019*, The Nature Conservancy, 3/30/2019 - 9/30/2019

\$20,000: *New Jersey Municipal Asset Profiler Operational Support [NJ MAP]*, (2018 – 2019), project PI, online open access web GIS viewer to support local decision-making and better environmental management, Kirby Foundation. Total funding to date \$40,000

\$20,000: *NJ Conservation Blueprint Operational Support & Development*, July – December 2018, data updating and functional enhancements, The Nature Conservancy.

\$65,000: *New Jersey Municipal Asset Profiler [NJ MAP]*, (2018 – 2019), project PI, online open access web GIS viewer to support local decision-making and better environmental management, Geraldine R. Dodge Foundation. Total funding to date \$290,000.

\$156,000 *NJ National Guard Geospatial Facilities GIS Mapping Internship.*, (2018–2019) recontracted to 2020) Project PI, GIS internship program to map facilities of New Jersey's National Guard Readiness Centers, New Jersey Army National Guard. Total funding to date \$770,000, future funding contracted through 2020 - \$750,000.

\$154,000 *Planning for Water Quality – Buildout Modeler Phase II* (2017 – 2018), project PI, funded by New Jersey Department of Environmental Office of Water Quality to model water quality impacts of various buildout scenarios for municipal zoning using web-based visualizations.

\$4,000 *Conservation Blueprint Phase II Part A.*, (2017 – 2018), project PI, online mapping project in partnership with the Nature Conservancy and the New Jersey Conservation Foundation to develop web-based land preservation assistance tools, funded by the NJ Branch of the Nature Conservancy.

\$40,000 *Conservation Blueprint Phase II Part B.*, (2017 – 2018), project PI, online mapping project in partnership with the Nature Conservancy and the New Jersey Conservation Foundation to develop web-based land preservation assistance tools, funded by the William Penn Foundation.

\$5,000 *NJ Available Lands Analysis.*, (2017-18), project PI, GIS analysis to estimate lands available for housing development, Fair Share Housing Center.

\$65,000: *NJ MAP.*, (2014 – 2017), project PI, online open access web GIS viewer to support local decision-making and better environmental management, Geraldine R. Dodge Foundation. Total funding to date \$145,000.

\$45,000 *Conservation Blueprint.*, (2015 – 2016), project PI, online mapping project in partnership with the Nature Conservancy and the New Jersey Conservation Foundation to develop web-based land preservation assistance tools, funded by the William Penn Foundation.

\$153,000 *Planning for Water Quality – Salem County Pilot Project* (2014 – 2016), project PI, funded by a US EPA 603b Passthrough to NJDEP funded project to model water quality impacts of various buildout scenarios for municipal zoning using web-based visualizations.

\$152,000 *NJ National Guard Geospatial Facilities GIS Mapping Internship.*, (2016–2017) Project PI, GIS internship program to map facilities of New Jersey’s National Guard Readiness Centers, New Jersey Army National Guard.

\$145,000 *NJ National Guard Geospatial Facilities GIS Mapping Internship.*, (2015–2016) Project PI, GIS internship program to map facilities of New Jersey’s National Guard Readiness Centers, New Jersey Army National Guard.

\$140,000 / year *NJ National Guard Geospatial Facilities GIS Mapping Internship.*, (2010–2015) Project PI, GIS internship program to map facilities of New Jersey’s National Guard Readiness Centers, New Jersey Army National Guard.

\$130,000 per year *NJ National Guard Environmental Mapping Internship.*, (2013 – 2016), New Jersey Army National Guard, Project co-PI (Patrick Crumrine is the PI). multi-year contract for G&E students to assist New Jersey’s National Guard environmental compliance activities.

\$45,000 *Soil Disturbance Mapping* (2013 – 2014), Project PI, NJ State Agricultural Development Commission, contract to map soil disturbance patterns on New Jersey’s preserved farmlands.

\$20,000 *New Jersey Municipal Asset Profiler* (2012), Green Map Systems \$10,000

\$10,000 *Developing a GIS Data Bridge* (2012), Green Map Systems \$10,000

\$17,000 *NJ Landscape Project Habitat Change Analysis*, (2012 – 2014), project PI, analysis of endangered species habitat change, NJ DEP Threatened and Endangered Species Program.

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

\$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-Base 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

PEER-REVIEWED DIGITAL MAP PUBLICATIONS

Hasse, John E., 2018, "Agriculture Preservation Priority Model," *New Jersey Conservation Blueprint, developed and edited to specifications of the agriculture technical advisory committee*
https://www.njmap2.com/assets/pdf/blueprint/methods/Agricultural_Priority_Model_Methodology.pdf

Hasse, John E., 2018, "Urban Community Green Space Priority Model," *New Jersey Conservation Blueprint, developed and edited to specifications of the urban technical advisory committee*
https://www.njmap2.com/assets/pdf/blueprint/methods/Agricultural_Priority_Model_Methodology.pdf

Hasse, John E., 2018, "Ecological Preservation Priority Model," *New Jersey Conservation Blueprint, developed and edited to specifications of the ecological technical advisory committee*
https://www.njmap2.com/assets/pdf/blueprint/methods/Ecological_Priority_Model_Methodology_v2_2018.pdf

Hasse, John E., 2018, "Water Quality Priority Model," *New Jersey Conservation Blueprint, developed and edited to specifications of the water resources technical advisory committee*
https://www.njmap2.com/assets/pdf/blueprint/methods/Ecological_Priority_Model_Methodology_v2_2018.pdf

REFEREED PUBLICATIONS

Hasse, John E., 2023, The Nexus of Storytelling and Collective Learning: A Synergistic Spark for Human Emergence, *Journal of Big History Vol 6 No 3 2023*, 60-83.

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

McCarthy, K., **Hasse, J.**, Meenar, M. 2022, - Web Mapping Platforms for Community Planning and Engagement: Lessons Learned from NJ MAP – book chapter in Smart Cities and Smart Communities: Empowering Citizens through Intelligent Technologies

Hasse, John E. and Robert Flanagan, 2020, Manuscript – Article on Big History - International Encyclopedia of Human Geography (Second Edition) 2020, Pages 313-321

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

Lathrop and **Hasse, J. E.**, 2020, Changing Landscapes in the Garden State: Land Use Change in NJ 1986 thru 2015. Report published by the Rutgers Center for Remote Sensing and Spatial Analysis. July 2020 <https://rucore.libraries.rutgers.edu/rutgers-lib/63974/>

Richard G. Lathrop and **Hasse, John E.**, 2016, *Changing Landscapes in the Garden State: Land Use Change in NJ 1986 thru 2012*. Report published by the Rutgers Center for Remote Sensing and Spatial Analysis. Available at

http://crssa.rutgers.edu/projects/lc/download/reports/NJ_Urb_Growth_III_executive_summary_2012_LathropHasse.pdf

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/gloccorail/>

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 CONFERENCE PRESENTATIONS

"NJ Map Watershed Explorer for Supporting Sustainable Jersey Water Gold", New Jersey League of Municipalities. Atlantic City, November 15, 2018

"New Jersey's Conservation Blueprint: Prioritizing the Last Million Acres," Land Trust Alliance National Conference, Pittsburgh PA October 13, 2018

"A Big History/Geography Alliance for Teaching the Anthropocene", International Big History Association Congress, Philadelphia PA, July 28, 2018

"Integrating Big History and the Anthropocene into Undergraduate Geography Curriculum" Association

of American Geographers Annual Meeting, New Orleans LA, April 11, 2018

"Planning for Land Conservation: Meet the NJ Conservation Blueprint", New Jersey Chapter of the American Planning Association, New Brunswick NJ, January 25, 2018

"NJ Lands Blueprint Updates & Utilization by NJ Land Professionals", NJ League of Municipalities Atlantic City NJ, November 15, 2017

"Geography & Big History: Earth Storytelling as a Roadmap for the Anthropocene" 2017 Association of American Geographers Annual Meeting, Boston Massachusetts April 8, 2017

"Geospatial Tools for Preserving NJ's Remaining Open Spaces: The NJ Municipal Asset Profiler" New Jersey Chapter American Planning Association Annual Conference. New Brunswick NJ, January 26, 2017

"NJ MAP for As a Tool for Professional Planning" New Jersey Chapter American Planning Association Annual Conference. New Brunswick NJ, January 26, 2017

"the New Jersey Municipal Asset Profiler." The New Jersey Land Conservation Conference, March 2017 New Brunswick, New Jersey

"The Conservation Blueprint Mapping for Guiding Environmental Decision Making", Association of New Jersey Environmental Commissions Annual Congress, invited presentation presenter, Mercer County College, September 30, 2016

"Prospects for a Geography Education Renaissance through a Strategic Alliance with Big History" American Association of Geographers Annual Meeting, San Francisco, CA. April 2016

"the NJ MAP2 Conservation Blueprint" The New Jersey Land Conservation Conference, March 2016 Trenton New Jersey

"the New Jersey Municipal Asset Profiler." The New Jersey Land Conservation Conference, March 2015 Trenton New Jersey

"Where in the World is Big History in University General Education? Integrating BH into introductory geography courses." Co-authored with Robert Flanagan. Presented at the 2nd International Big History Association bi-annual congress, San Rafael CA August 2015

"NJ MAP for Watershed Protection" New Jersey Annual Land Conservation Rally. Rutgers University March 2014

"NJ MAP for As a Tool for Professional Planning" New Jersey Chapter American Planning Association Annual Conference. New Brunswick NJ January 2014

"Agricultural Tool Kit for the New Jersey Municipal Asset Profiler", presentation at the New Jersey Land Trust Rally, NJ Institute of Technology, Newark, NJ March 2013

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

"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

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

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

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

"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

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

"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

"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

OTHER SELECTED PROFESSIONAL PRESENTATIONS

"NJ Conservation Blueprint, Update and Status", NJ Land Trust Rally Trenton NJ, March 2, 2018

"Agricultural Preservation Priority Model - NJ Conservation Blueprint" – invited speaker to the State Agricultural Development Commission, February 22, 2018

"NJ Conservation Blueprint for Stewardship", Natural Lands Stewardship Workshop, Watershed Institute, Pemberton NJ, Dec 7, 2017

"NJ MAP: GIS for the Rest", GIS Day Invited Keynote Speaker – Burlington County College, November 15, 2017

"Protecting the Environment through the Magic of Maps", Rowan University School of Earth & Environment Invited Colloquium talk –11-16-2017

"NJ MAP Workshop Environmental Commissions", Association New Jersey Environmental Commission Annual Congress 2017 – Oct 13 Mercer County College

"NJ MAP Buildout Modeler" – NJ County Planners Association, September 15, 2017

"Using the Conservation Blueprint for Environmental Protection", Association of New Jersey Environmental Commissions invited workshop presenter, Belvidere, NJ June 27, 2017

"Conservation Blueprint Strategies for Land Preservation", invited workshop presenter, Delaware Raritan Green Way, April 20, 2017

"The New Jersey Buildout Modeler Planning Tool For Water Quality Protection", invited presentation to the New Jersey County Planners Association, Thompson Park, Beech Room, Lincroft, NJ, March 24, 2017

"the Conservation Blueprint: Geospatial Tools to Assist Public Lands Management", invited presentation Quarterly Meeting of the NJ State Parks Managers, Monmouth Battlefield State Park, March 22, 2017

"NJ MAP for As a Tool for Protecting the Environment" invited presentation to the NJ Environmental Affinity Funders Conference, Stony Brook Millstone Watershed Association, Princeton Township NJ, November 16, 2016

invited colloquium speaker, "Where in the World is Big History in University General Education? Integrating BH into introductory geography courses, a powerful mashup." Rutgers University, Department of Geography, February 12, 2016

"Agricultural Tool Kit for the New Jersey Municipal Asset Profiler," presentation at the Delaware Valley Regional Planning Commission Open Space Roundtable, Morristown, NJ April 2013

"Invited Keynote Speaker, Coalition on Affordable Housing and Environment, November, 2012, Trenton, NJ

"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

"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

"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,

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

"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

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

"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

"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

"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

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.

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
- various manuscripts for book chapters

Media Coverage (selected)

"On the Map - Rowan Researchers Use Data to Show the Way Toward a Sustainable Future," *Rowan Magazine*, Fall 2021

<https://njmonthly.com/articles/jersey-living/rowan-professor-john-hasse-mapping-jersey-land/>

"Warehouse sprawl shows need for regional approach to planning, advocates say," *NJ Spotlight News* Mar 22, 2021

<https://www.njspotlightnews.org/2021/03/warehouse-sprawl-fears-truck-traffic-contaminated-stormwater-runoff-e-commerce-covid-19-fuel-boom-municipal-power-home-rule-urging-regional-approach/>

"Meet the Rowan Professor Mapping Jersey's Future," *New Jersey Monthly*, January 2021

<https://njmonthly.com/articles/jersey-living/rowan-professor-john-hasse-mapping-jersey-land/>

"We're Losing Less Land to Development in NJ, and Slowing Loss of Natural Areas," *NJ Spotlight News*, February 3, 2020

<https://www.njspotlightnews.org/2020/02/were-losing-less-land-to-development-in-nj-and-slowing-loss-of-natural-areas/>

"Pandemic Has Potential to Renew Demand for Suburban Housing in NJ, Land-Use Expert Says," *NJ Spotlight News*, Sep 11, 2020

<https://www.njspotlightnews.org/2020/09/nj-land-development-slowdown-covid-pandemic-derail-possible/>

"Open Space Preservation Helped By Weak Housing Market," *NJ Spotlight News*, April 30, 2012

<https://www.njspotlightnews.org/video/open-space-preservation-helped-by-weak-housing-market/>

"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+e+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

CURRICULUM ACTIVITIES

Co-designed and sponsored the curriculum for a new Concentration in **Sustainable Built Environments** with the department of Civil and Environmental Engineering

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, 2011

Co-designed and sponsored the curriculum for a new Bachelor of Science in **Geographic Information Science**, Rowan 2011

Designed and sponsored the curriculum for a new Bachelor of Arts degree in **Integrated Studies in Geography and the Environment**, Rowan University, 2011

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 and Education**, 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 16.100 Earth, People and Environment

PLAN 31.280 Principle of Planning and Environmental Design

GEOG 16.390 Geography Research Clinic/Studio

PLAN 31.486 Community Planning and Site Design

GEOG 16.365 Geospatial Modeling

GEOG 16.361 Geovisualization

PLAN 31.389 Environmental / Sustainable Planning
PLAN 31.385 New Jersey Applied Planning Practice
PLAN 31.384 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
International Big History Association
American Society of Photogrammetry and Remote Sensing
National Council for Geographic Education

COMMITTEE POSITIONS

Rowan University Master Planning Committee 2007 – 2010, Co Chair
Rowan University President's Council on Sustainability 2007 - 2010
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