Roland J. Duhaime

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Websites & Social Links
URI Department of Natural Resources Science
Tick Encounter Resource Center
Coastal Institute
URI Environmental Data Center
Linkedin
Northeast Arc GIS User Group

Country
United States

Keywords
GIS,LiDAR,Python,ArcGIS Pro/Online,ArcGIS Enterprise,GeoSpatial Analytics, Deep Learning

Other IDs
Scopus Author ID: 57222512221

Biography

My work encompasses using Geographic Information System (GIS) technology for the analysis of cultural and natural resources data. Typically, my interests have focused on dynamic visualization of complex spatial and scientific data in a 2-D and 3-D setting. In addition, I enjoy automating the processing of large datasets and finding better ways of sharing information using the Internet. Currently I am overseeing project development and implementation for the URI Environmental Data Center's National Park Service Field Technical Support Center. I have over 30 years of managing and manipulating spatial data for URI's Environmental Data Center, especially working on projects for northeastern National Parks. I work and interact with regional and national GIS leadership for the National Park Service. Additional work includes data management, data mining, GIS training, GPS data collection, metadata training, developing data standards, Python programming, LiDAR and bathymetry data processing, and investigating technical tools for geospatial analysis.

Employment:

University of Rhode Island: Kingston, RI, US
1994-12-25 to present | GIS Data Scientist and IT/Research Associate IV (Natural Resources Science)
Employment

Education and qualifications (7)

University of Rhode Island: Kingston, RI, US
2020-02-25 to present | Certificate of Achievement: Community First Responder Program/Naloxone Educational Seminar
Education

American Heart Association: Kingston, RI, US
2023-08-11 to 2023-08-17 | Heartsaver First Aid (URI Health Services)
Education

American Heart Association: Kingston, RI, US
2023-08-11 to 2023-08-11 | Certificate of Completion - Heartsaver CPR AED Online Portion (Office of Human Resources)
Education

University of Rhode Island: Kingston, RI, US
2022-10-17 to 2022-10-24 | Adult Mental Health First Aid USA (Dean of Students Office)
Qualification

Life Safety Training, LLC: Kingston, RI, US
2020-01-20 to 2022-01-20 | CPR/AED & First Aid Trainined
Education

University of Rhode Island: Kingston, RI, US
1991-01 to 1994-05 | Master of Science/Natural Resources Science (Natural Resources Science)
Education

University of Rhode Island : Kingston, Rhode Island, US
1986-09 to 1990-12 | Bachelor of Science (Natural Resources Science)
Education

Professional activities (10)

Boy Scouts of America: Irving, TX, US
2015 to present | Volunteer / Committee Member (Troop 1 and 2 of Kingston, RI)
Service

Northeast Arc Users Group: Kingston, Rhode Island, US
1991-10 to present | Member
Membership

Esri: San Diego, California, US
2015-07 | SAG Award: Special Achievement in GIS (Team award) (University of Rhode Island Environmental Data Center)
Distinction

Esri User Conference: San Diego, US
2014-07 | 2nd Place Map Gallery for Best Instructional Presentation (coauthor) (Natural Resources Science)
Distinction

Northeast Arc Users Group: Nashua, New Hampshire, US
2009-10-06 | People's Choice Award for best poster at the Northeast Arc Users Group (NEARC 2009) (University of Rhode Island Department of Natural Resources Science)
Distinction

University of Rhode Island: Kingston, Rhode Island, US
2002-05-08 | Outstanding Contributions to Outreach
Distinction

University of Rhode Island Coastal Institute: Narragansett, RI, US
2001 to present | Coastal Institute Senior Fellow (Natural Resources Science)
Invited position.

The University of Rhode Island College of Environment and Life Sciences: Kingston, Rhode Island, US

2001 | 2001 Outreach Educator of the Year for Outstanding Service (Natural Resources Science)
Distinction

Sea Grant Rhode Island: Narragansett, Rhode Island, US
1999-11-23 | Group Outstanding Outreach Program Award (Coastal Resources Center)
Distinction

University of Rhode Island: Kingston, Rhode Island, US
1993-04 | L. Douglas Nolan Award for Contribution to Science (Graduate School)
Distinction

Funding (1)

Can tick photos prevent Lyme disease?
experiment.com (Honolulu, HI, United States)
2019-06 to 2020-12|Award
> *Part of* GRANT_NUMBER: DOI: 10.18258/10348

Works (16)

The Second Atlas of Breeding Birds in Rhode Island
2023-07 | book
> ISBN: 978-0-9834581-4-2

3D Morphodynamic Visualizations of Storm Impacts for Decision Support
Journal of Digital Landscape Architecture
2023 | journal-article
> DOI: 10.14627/537740058
> EID: 2-s2.0-85162749826
> *Part of* ISSN: 2511624X 23674253

Identification of Hard Ticks in the United States
The American Journal of Dermatopathology
2022-03 | journal-article
> DOI: 10.1097/dad.0000000000002005
> *Part of* ISSN: 0193-1091

An analysis of companion animal tick encounters as revealed by photograph-based crowdsourced data
Veterinary Medicine and Science
2021-11 | journal-article
> DOI: 10.1002/vms3.586

Crowdsourced Tick Image-Informed Updates to U.S. County Records of Three Medically Important Tick Species
Journal of Medical Entomology
2021-05 | journal-article
> *Part of* ISSN: 0022-2585
> DOI: 10.1093/jme/tjab082

Assessing Public Tick Identification Ability and Tick Bite Riskiness Using Passive Photograph-Based Crowdsourced Tick Surveillance
Journal of Medical Entomology
2020-11-04 | journal-article
　　　　DOI: 10.1093/jme/tjaa196
　　　　Part of ISSN: 0022-2585
　　　　Part of ISSN: 1938-2928

Development of a decision support system for monitoring, reporting and forecasting ecological conditions of the Appalachian Trail
International Geoscience and Remote Sensing Symposium (IGARSS)
2010 | conference-paper
　　　　DOI: 10.1109/IGARSS.2010.5651835
　　　　EID: 2-s2.0-78650878295

Development of a decision support system for monitoring, reporting and forecasting ecological conditions of the Appalachian Trail
2010 IEEE International Geoscience and Remote Sensing Symposium
2010 | conference-paper

More than a Database: Integrating GIS Data with the Boston Harbor Islands Visitor Carrying Capacity Study
The George Wright Forum
2002 | journal-article
　　　　URI: http://www.jstor.org/stable/43597789

Women's Rights National History Trail Feasibility Study for the National Park Service
2001 ESRI User Conference
2001-07-09 | conference-poster

Nor-easters and GIS: Using GIS to Reduce Risks from Natural Hazards in Rhode Island
2000 ESRI User Conference
2000-07 | conference-poster

Ecological Geography of Block Island
The ecology of Block Island. Kingston, RI: Rhode Island Natural History Survey
2000 | book-chapter

The Narrow River Special Area Management Plan
1999 | other

Automated vegetation mapping using digital orthophotography
Photogrammetric Engineering and Remote Sensing
1997 | journal-article
　　　　EID: 2-s2.0-0031442112
　　　　Part of ISSN: 00991112

Fast training algorithms for large data sets with application to classification of multispectral images
Proceedings of 1994 28th Asilomar Conference on Signals, Systems and Computers
1994 | conference-paper

Saratoga National Historical Park, Stillwater and Saratoga, New York: general management plan
National Park Service, Northeast Region, Boston Office, 2004
book
SOURCE-WORK-ID: I 29.79/3:SA 7/2

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