

ROBERT E. GRIFFIN

Atmospheric & Earth Science | College of Science
National Space Science & Technology Center
University of Alabama in Huntsville
Huntsville, AL 35899
robert.griffin@uah.edu

ADMINISTRATIVE APPOINTMENTS

2020-pres.	Co-Director, <i>Laboratory for Applied Science</i>	UAH
2019-pres.	Associate Dean, <i>College of Science</i>	UAH
2017-2020	Coordinator of NASA Collaborative Research, <i>Earth System Science Center</i>	UAH

ACADEMIC APPOINTMENTS

2018-present	Associate Professor, <i>Atmospheric & Earth Science</i>	UAH
2012-2018	Assistant Professor, <i>Atmospheric Science</i>	UAH

EDUCATION

2012	Ph.D.	<i>Anthropology</i>	Pennsylvania State Univ.
2005	M.A.	<i>Anthropology</i>	Pennsylvania State Univ.
2002	B.A.	<i>Anthropology</i>	University of Virginia

PROFESSIONAL CERTIFICATIONS

2018-pres.	Certified Mapping Scientist (CMS/RS), lic. #RS237	ASPRS
2017-pres.	GIS Professional (GISP), lic. #99286	GISCI

RESEARCH INTERESTS AND TECHNICAL EXPERTISE

Applications of federal Earth Observation (EO) assets in applied Earth sciences and decision making;
Satellite image analysis using multispectral, hyperspectral, high-spatial, high-temporal resolution, active and passive optical systems;
Modeling and spatial analysis using open-source data and Geographic Information Systems (GIS) for social and natural sciences;
International research (incl. field survey & in situ data collection) and science capacity building in the developing world, with extensive experience in the Americas;
Geospatial intelligence, applications of machine learning in the IC and conservation science fields, and methods for geographic data science;
Project management, federal government relations, and professional development.

SYNERGISTIC ACTIVITIES (*SELECTED*)

University Science & Educational Partnerships Lead with **NASA SERVIR** Program (servirglobal.net) for satellite data and product visualization, environmental applications, and project management, 2007-pres.

Board of Directors member **GEOHuntsville** (geohuntsville.org), a local government, educational institution, and industry initiative, 2015-present, board member/2010-2015, member and education working group member

Director and founding member of the **Alabama Remote Sensing Consortium** (ARSC), a university-industry partnership with industry contributions valued at over \$6M, 2015-pres.

Lead for the UAH **Center of Academic Excellence in Geospatial Sciences** (CAE-GS) Designation from National Geospatial Intelligence Agency/US Geological Survey, 2017-pres.

Science Advisor for the **NASA DEVELOP** workforce development program, part of NASA Applied Sciences/Capacity Building, 2012-pres.

Director for the UAH Atmospheric & Earth Science **Research Experiences for Undergraduates** (REU) Program, 2019-pres.

FUNDED RESEARCH ACTIVITY

>50 Submitted Proposals

18 External Grants and Contracts (2012-present), as PI/Inst. PI

\$12,358,402 in Total Research Expenditures; \$2,834,547 in Total Indirect Costs Recovered (ICR)

13 *Active* External Grants and Contracts (FY21), as PI/Inst. PI

\$2,503,250 in Total Annual Research Expenditures; \$676,114 in Annual Indirect Costs Recovered (ICR)

RESEARCH PUBLICATIONS

ORCID: [/0000-0001-5665-700X](https://orcid.org/0000-0001-5665-700X)

Google Scholar: [/mPLc47cAAAAJ](https://scholar.google.com/citations?user=mPLc47cAAAAJ)

ResearchGate: [/Robert-Griffin-3](https://www.researchgate.net/profile/Robert-Griffin-3)

24 journal articles in print; 6 chapters in edited volumes

4 journal articles in review; 1 edited volume chapter in press

PROFESSIONAL CONFERENCE PRESENTATIONS

Oral presentations and posters: (pre-tenure) 58, (post-tenure, from Aug 2018) 55

Conferences frequently attended: AGU, ASPRS PECORA, AAG, ESRI, SAA

SEMINARS, COLLOQUIA, AND INVITED TALKS

Numerous seminars, colloquia, and community outreach talks over the previous 10 years, including professional organizations, non-profit educational groups, and universities/national labs.

GRADUATE STUDENTS

Total M.S. Students Funded/Advised (as of April 2022): **7 current, 26 graduated**

Total Graduate Student Committee Service (current and past): **13**

TEACHING (***GRADUATE AND UNDERGRADUATE***)

Introduction to Environmental Earth Science, Python for GIS, Introduction to GIS, Geospatial Applications, Advanced GIS, Climate Change and Sustainability in Latin America, Earth Science Capstone Project, Land Use Applications and Sustainability, Advanced GIS for Earth and Atmosphere Problems, Capacity Building in the Earth Sciences

FELLOWSHIPS, HONORS, AND AWARDS

UAH College of Science Outstanding Faculty Award (2019)

UAH Research and Creative Activity Mentor Award (2015)

NASA Graduate Student Research Program (GSRP) Fellowship (2005-07)