

SOULEYMANE FALL

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Research interests

- Geographic Information Systems (GIS): Land use/land cover, disaster management, facility management, natural resources management, suitability analysis, vulnerability assessment
- Climatology: Land-atmosphere interactions using observations, reanalysis and IPCC datasets; climate variability; climate extremes
- Remote Sensing: Land use/land cover change, remote sensing of the environment; GIS/remote sensing integration

Education

Purdue University	Atmospheric Sciences	PhD, 2009
NC State University	Atmospheric Sciences	MS, 2003
NC State University	Geographic Information Systems	Graduate Certificate, 2003
Dakar University	Geography	MA, 1979

Work Experience

Jan 2011 - Present	Assistant Professor, Tuskegee University
Jan - Dec 2010	Postdoctoral research associate, Purdue University
2005 - 2009	Graduate research assistant, Purdue University
2003 - 2004	GIS Intern / Research Assistant, NC State University
2001 - 2003	Graduate Research Assistant, NC State University
1982 - 2001	Professor of History & Geography, Senegal (West Africa)

Awards / Recognitions

- 2011 American Association of State Climatologists (AASC) PhD award winner: PhD dissertation selected as the best applied climate applicability as is the service nature of AASC. This is a national award.
- Outstanding Graduate Student in Earth and Atmospheric Sciences, Purdue University, 2009
- 2009 Bisland Fellow: awarded to "outstanding Purdue Ph.D. candidates in their final year"
- Fulbright Fellow 2001 - 2003: North Carolina State University
- Winner of the 2009 Purdue Ecological Science and Engineering poster competition sponsored by Purdue Discovery Park's Center for the Environment (1st place)
- Completed PhD coursework with a 4.0 GPA
- 52 certificates in Geographic Information Systems (GIS) and one completed Learning Pathway (Environmental Systems Research Institute - ESRI)
- In 2009, the National Science Foundation (NSF) considered S. Fall's work on the impacts of land use/cover changes on near-surface temperatures to be highlighted as one of the most interesting/significant/transformative research results from funded NSF grants
- In summer 2008, participated to computerized analyses of 100-year flood plains in more than 800 U.S. counties as part of a sophisticated GIS being assembled by the Federal Emergency Management Agency (FEMA)
- Developed a digital climate atlas of Indiana as a project of the Indiana State Climate Office
- Workshop grant for an invited presentation at the NSF-sponsored Workshop on *"Detecting the Atmospheric Response to the Changing Face of the Earth"* - Boulder, CO. August 27-29 2007
- Awarded one of 15 grants nationwide to participate to the *Geospatial Scientific Investigation* organized by NASA in Charleston, SC (USA), June 26 to July 30, 2005
- American Meteorological Society - American Geophysical Union; Association of American Geographers; Gamma Sigma Delta - Golden Key International - National Scholars Honor Society - Sigma Xi