

## 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 (1<sup>st</sup> 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/transformational 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