

Santonu Goswami

Postdoctoral Research Associate

Oak Ridge National Laboratory, Environmental Sciences Division

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Education and Training

2011 University of Texas at El Paso, Environmental Science and Engineering, PhD

2005 University of Texas at El Paso, Physics, MS

1998 Assam University, Physics, BSc

Research and Professional Experience

2012 – Present Postdoctoral Research Associate, Oak Ridge National Laboratory, Oak Ridge, TN

2012 – 2012 Postdoctoral Research Associate, Dept. of Forestry, Michigan State University, East Lansing, MI

2006 – 2012 Graduate Research Assistant, Systems Ecology Lab, University of Texas at El Paso, El Paso, TX

2004 – 2005 Mathematics Teacher, El Paso Independent School District, El Paso, TX

2003 - 2004 Graduate Research Assistant, Dept. of Physics, University of Texas at El Paso, El Paso, TX

Publications

- **Santonu Goswami**, John Gamon, Craig Tweedie (2011). Surface hydrology of an arctic ecosystem: Multiscale analysis of a flooding and draining experiment using spectral reflectance, *Journal of Geophysical Research*, Vol. 116, G00I07, 14 PP., 2011, doi:10.1029/2010JG001346.
- Irbis Gallegos, **Santonu Goswami**, Ann Gates, Craig Tweedie, John Gamon (2011). Towards near-real time data property specification and verification for Arctic hyperspectral sensor data, doi:10.1109/NAFIPS.2011.5752047

Synergistic Activities

- **Professional Membership:** American Geophysical Union (AGU), Ecological Society of America (ESA), American Association for Geographers (AAG), US Permafrost Association (USPA), International Permafrost Association (IPA), Association for Polar Early Career Scientists (APECS), Permafrost Young Researcher Network (PYRN), Indian Polar Research Network (IPRN), Spectral Network(SpecNet).
- **Services:**
 - 2012: Member, NSF Arctic Instrumentation, Sensor, and Platform (ISP) Discussion Group.
 - 2012 – Present: Founding President, Indian Polar Research Network (IPRN).
 - 2009: Member, Selection Committee, PolarTrec Program, Arctic Research Consortium of US (ARCUS).
 - 2006, 2007: Member, working group, SpecNet, an international network for environmental Remote Sensing.

Honors and Awards

- 2011 – Dodson Dissertation Fellowship from University of Texas at El Paso (\$7000.00)
- 2007 - Selection to participate in the IPY-ROAM Antarctic expedition.
- 2006 - National Center for Ecological Assessment and Synthesis (NCEAS) Travel Grant.