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PROFESSIONAL PREPARATION:

- 1986 to 1989 B.Sc. in Geology, Zoology and Botany from Lucknow University, India.
1989 to 1991 M.Sc. in Geology from Lucknow University, India.
1992 to 1996 PhD in Earth Sciences from Indian Institute of Technology, Roorkee, India. Thesis title: *Remote Sensing - GIS based geoenvironmental studies in Jharia coalfield, India, with special reference to coalmine fires.*
1996 to 1998 Post-Doctoral Researcher at the Applied Geomorphological Survey Division, International Institute for Geoinformation Science and Earth Observation (ITC), Enschede, The Netherlands.

APPOINTMENTS:

- Current Professor at the Geophysical Institute and the Department of Geology and Geophysics, University of Alaska Fairbanks, USA.
03/02 to 06/09 Associate professor at the Geophysical Institute and the Department of Geology and Geophysics, University of Alaska Fairbanks, USA.
1998 to 2002 Assistant professor at the Department of Earth Systems Analysis, ITC, Enschede, The Netherlands.

PUBLICATIONS RELATED TO THE PROPOSED PROJECT:

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- Connor, C., and **Prakash, A.**, 2007, Changing the culture of accidental Earth science majors in Alaska. *Journal of Geoscience Education*, (in revision).
Prakash, A., 2006, Introducing Geoinformatics for Earth System Science Education. *Journal of Geoscience Education*, 54 (5), 555-560.
Gens, G., **Prakash, A.**, and McClung, S., 2006, Polar Remote Sensing: A Web Resource to Promote the Use of Remote Sensing Data in Undergraduate Education and Research. *Eos Trans. AGU*, Fall Meet. Supplement., Abstract.
Prakash, A., and Gens, R., 2007, Remote Sensing and GIS based Alaska mapping and monitoring studies: Results from last five years of UAF student projects. *41st Annual Alaska Surveying and Mapping Conference*, Fairbanks, AK., March 19-23.
Prakash, A., 2006, [Data, Tools and Models](http://essdesignguide.org/). A section in ESSE21 Design Guide. (<http://essdesignguide.org/>)

OTHER SIGNIFICANT PUBLICATIONS:

- Smikrud, K., **Prakash, A.**, and Nichols, J., 2007, Decision based fusion for improved fluvial landscape classification using digital aerial photographs and forward looking infrared images. *Photogrammetric Engineering and Remote Sensing* (in press).
Prakash, A., and Berthelote A.R., 2007, Subsurface coal mine fires: Laboratory simulation, numerical modeling and depth estimation. *Geological Society of America, special papers*, (in press).

- Smikrud, K. and **Prakash, A.**, 2006, Detecting and monitoring large woody debris in a part of the Unuk river, Alaska, using digital aerial photography. *GIScience and Remote Sensing*, 43 (2), 142-154.
- Stracher, G.B., **Prakash, A.**, Schroeder, P., McCormack, J., Zhang, X.M., and van Dijk, P., 2005, New mineral occurrences and mineralization processes: Wuda coal-fire gas vents of Inner Mongolia. *American Mineralogist*, 90 (11-12), 1729-1739.
- Watson, I.M. and **Prakash, A.**, 2007, Satellite systems and interactions. in *Volcano Atlas*, edited by Dean, K.J. and Dehn, J. (in review).

SYNERGISTIC ACTIVITIES:

- Reviewer for several international journals (eg. IJRS; IEEE TGRS; PERS; IJCG) and for several funding agencies (eg. NASA; NSF; Volkswagen Stiftung, Germany)
- Member, Science Working Group for NASA's planned Hyperspectral Infrared Imager (HypIRI) satellite mission (since early 2007).
- Treasurer, Secretary, Newsletter editor for Coal Geology Division, GSA (2006-2009);
- Lead for several NASA and NSF funded education outreach projects: see eg products at www.polar-remotesensing.alaska.edu; www.edge.alaska.edu; www.birds-eye-view.alaska.edu ; www.treasure-hunt.alaska.edu ; www.essedesignguide.org

COLLABORATORS AND OTHER AFFILIATIONS:

Collaborators and co-editors in last 48 months (in alphabetical order): limited listing

Anderson M (USDA);	Baise LG (Tufts Univ);	Collett T (USGS);
Connor C (UAS);	Hook S (NASA JPL);	Hower J (UKY);
Kane D (UAF-INE)	Kelley JJ (UAF-IMS);	Margraf J. (UAF-Coop Ext)
Quattrochi D (NASA MSFC)	Stracher G (E.Georgia)	Watson M (UBristol, UK)

Graduate and Postdoctoral advisors:

Genderen, J. L. van, Ph.D., (Postdoctoral Advisor for A. Prakash), Professor, Dept. Earth Observation Systems, ITC, Enschede, The Netherlands

Gupta, R.P., Ph.D., (Ph.D. advisor for A. Prakash), Professor in Remote Sensing, Dept. Earth Sciences, Indian Institute of Technology Roorkee, India.

Thesis Advisor: (19 – Year of graduation indicated in parenthesis)

Erin Trochim; Jason Stolarski, Santosh Panda, Lila Tauzer (current); Sudipta Sarkar, Kristin Papp (2008); Jeff Green (2007); Thomas Oommen (2006); Antony Berthelote (2005); Chunqing Wang, Tilahun Kerse (2002); Christopher Duku, Simon Njuguna, Ebenezer Agyakwabadu, Santa Gilgonzalez, Mulumebet Yigletu, John Baga Arumba (2001); Kenya Nunez Cambra, Mongontsetseg Baldondarj (2000)