**ANUPMA PRAKASH**
Geophysical Institute, University of Alaska Fairbanks, Fairbanks, AK 99775-7320
Professional website: www.gi.alaska.edu/~prakash ; www.coalfires.net

**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:**

2009 to --- Professor at the Geophysical Institute and the Department of Geology and Geophysics, University of Alaska Fairbanks, USA.
2002 to 2009 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.

**RECENT PUBLICATIONS (5) RELATED TO THE PROPOSED PROJECT:**

**Prakash, A.**, Schaefer, K., Witte, W.K., Collins, K., Gens R., and Goyette, M., 2011, Remote Sensing - GIS Based Investigation of a Boreal Forest Coal Fire. *International Journal of Coal Geology*, 86 (1), 79-86.

Haselwimmer, C., **Prakash, A.**, and Holdmann, G., 2011, Geothermal Exploration at Pilgrim Hot Springs, Alaska using airborne thermal infrared remote sensing. *Geothermal Resources Council 35th Annual Meeting*, Oct 23-26, San Diego, California.

**Prakash, A.**, Haselwimmer, C., and Holdmann, G., 2011, Potential of Airborne Remote Sensing for Geothermal Resource Exploration: A Case Study of Pilgrim Hot Springs, Alaska. *AAPG Pacific Section Meeting*, Anchorage, Alaska, 9-11 May. Session: Technology and Alternative Energy: Progressing the Future. Abstract ID: 1095345.

Wiltse, M., **Prakash, A.,** Burns, L., 2009, Image analysis of airborne geophysical data from the Salcha river – Pogo area, Alaska. *Canadian Journal of Remote Sensing*, 35(S1), S56-S71.

Smikrud, K., **Prakash, A.**, and Nichols, J., 2008, Decision based fusion for improved fluvial landscape classification using digital aerial photographs and forward looking infrared images. *Photogrammetric Engineering and Remote Sensing*, 74(7), 903-911

**OTHER SIGNIFICANT PUBLICATIONS (5):** Complete publication list available at www.gi.alaska.edu/~prakash/personal/publications

Oommen, T., Misra, D., **Prakash, A.**, Bandopadhyay S., Naidu, S., and Kelley, J.J., 2011, Multiple regressive pattern recognition technique: An adapted approach for improved georesource estimation. *Natural Resources Research*, 20 (1), 11-24.

Stracher G.B, **Prakash, A.** and Sokol E.V. (Eds.), 2010, *Coal and peat fires: A global perspective, Volume 1, Coal- combustion and geology*, Elsevier, 335 p., ISBN-13: 978-0-444-52858-2.

Panda, S.K., **Prakash, A.**, Solie, D.N., Romanovsky, V.E. and Jorgenson, M.T., 2010, Remote sensing and field-based mapping of permafrost distribution along the Alaska Highway corridor, Interior Alaska. *Permafrost and Periglacial Processes,* 21: 271–281.

Quattrochi, D.A., **Prakash, A.**, Eveva, M., Wright, R., Hall, D.K., Anderson, M., Kustas, W.P., Allen, R.G., Pagano, T., and Coolbaugh, M.F., 2009, Thermal remote sensing: Theory, sensors, and applications. in *Manual of Remote Sensing 1.1*: *Earth Observing Platforms & Sensors*, volume ed. Mark Jackson, ASPRS, 550 p. ISBN: 1-57083-086-X.

Ledley, T.S., **Prakash, A.**, Manduca, C., Fox, S., and DAWG members, 2008, Recommendations for making geoscience data accessible and usable in education. *EOS*, 89(32), 291, (DOI: 10.1029/2008EO2003).

**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 (HyspIRI) satellite mission (since early 2007).
- Lead several NASA/NSF outreach projects: www.gi.alaska.edu/~prakash/outreach

**COLLABORATORS AND OTHER AFFILIATIONS**:

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

| | | |
|---|---|---|
| Anderson M (USDA) | Baise LG (Tufts Univ) | Burns L (DGGS, AK) |
| Collett T (USGS) | Connor C (UAS) | Gens R (UAF-ASF) |
| Haselwimmer C (UAF-GI) | Hook S (NASA JPL) | Holdmann G (UAF-ACEP) |
| Hower J (UKY) | Kane D (UAF-INE) | Kelley JJ (UAF-IMS) |
| Ledley TS (TERC) | Manduca C (SERC) | Margraf J (USGS-Coop Ext) |
| Oommen T (MTU) | Romonovsky (UAF-GI) | Rosenberger A (UAF-SFOS) |
| Sokol E (RAS, Russia) | Quattrochi D (NASA) | Stracher G (E.Georgia) |
| Underwood T (FWS, AK) | Witte WK (FNSB, AK) | |

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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: (Primary advisor for 24 students – Year of graduation is in parenthesis)

Derek Starkenburg, Arvind Chittambakkam, Erin Trochim, Jason Stolarski, Santosh Panda, Lila Tauzer, Matthew Balazs, Angie Floyd, Kate Schaefer (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).