Publication list

**(Name underlined when student is the first author)**

**Books / Thesis**

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| 7 | Stracher, G.B., **Prakash, A.**, and Rein, G., (Eds.), 2015, *Coal and peat fires: A global perspective, Volume 4, Peat – Geology, combustion, and case studies*, Elsevier, 174 p., Print Book ISBN 978-0444595102. |
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| 1 | **Prakash, A.**, Nielsen, C., Gupta, A., and Gens, R., 2004, Alaska: A Bird's Eye View. A website for middle school children reviewed and approved by NASA Earth Science Enterprise Education Product Review Panel ([www.birds-eye-view.alaska.edu](http://www.birds-eye-view.alaska.edu/)). |

**\***Each product is approved after a rigorous review by a 5-6 member panel consisting of scientists and educators.

**Full Length Papers In Proceedings / Other journals**

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| 20 | | Kokaly, R.F., Hoefen, T.M., Graham, G.E., Kelley, K.D., Johnson, M.R., Hubbard, B.E., Goldfarb, R., Buchhorn, M., and **Prakash, A.**, 2016, Mineral information at micron to kilometer scales: Laboratory, field, and remote sensing imaging spectrometer data from the Orange Hill porphyry copper deposit, Alaska, USA, *IEEE International Geoscience and Remote Sensing Symposium*, July 10-15, Beijing China. |
| 19 | Roon, D., Wipfli, M.S., Wurtz, T.L., and **Prakash, A.**, 2015, Distribution of Invasive European Bird Cherry (*Prunus padus*) in Riparian Forests Along Urban Alaskan Streams, *Forest Health Conditions in Alaska 2014, U.S.* Forest Service, Alaska Region: Publication R10-PR-36, pp. 40-43.  (Available at: <http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprd3834154.pdf>) | |
| 18 | Miller, J.K., Haselwimmer, C.E., and **Prakash A.**, 2013, Investigating low-temperature hydrothermal alteration in drill cuttings from Pilgrim Hot Springs, Alaska using a suite of low-cost analytical techniques, *Geothermal Resources Council Transactions*, 37, 989-998. Received the Best Resource Assessment Presentation Award. | |
| 17 | Miller, J.K., **Prakash, A.**, Daanen, R., Haselwimmer, C., Whalen, M., Benoit, D., Cumming, W., Clark, A.C., Mager, M. and Holdmann, G., 2013, Geologic model of the geothermal anomaly at Pilgrim Hot Springs, Seward Peninsula, Alaska, *Thirty-Eighth Workshop on Geothermal Reservoir Engineering*, February 11-13, Stanford, California. SGP-TR-198, p. 1326-1334. | |
| 16 | Chittambakkam, A., Daanen, R.P., **Prakash, A.**, Haselwimmer, C., and Holdmann, G., 2013, Development of a reservoir stimulation model at Pilgrim Hot Springs, Alaska using Tough2, *Thirty-Eighth Workshop on Geothermal Reservoir Engineering*, February 11-13, Stanford, California. SGP-TR-198, 13p. | |
| 15 | Daanen, R.P., Chittambakkam, A., Haselwimmer, C., **Prakash, A.**, Mager, M., and Holdmann, G., 2012, Use of COMSOL multiphysics to develop a shallow preliminary conceptual model for geothermal exploration at Pilgrim Hot Springs, Alaska, *Geothermal Resource Council,* 36th Annual Meeting, Sep 30 - Oct 3, Reno, Nevada. | |
| 14 | Haselwimmer, C., **Prakash, A.**, and Holdmann, G., 2011, Geothermal Exploration in Pilgrim, Alaska Using Airborne Thermal Infrared Remote Sensing. *Geothermal Resource Council,* 35th Annual Meeting, Oct 23-26, San Diego, California. | |
| 13 | **Prakash, A.**, 2010, Coal fire research: Heading from remote sensing to remote measurement, *Second International Conference on Coal Fire Research*, May 19-21, Berlin, Germany. Session: Remote Sensing Sensors and Systems. | |
| 12 | **Prakash, A.**, Gens, R., Kelley, J., Alexander, V., Johnson, L., Yanow, G., 2004, Space-based observations in the International Polar Year: Educational opportunities to strengthen the STEM pipeline. *IEEE International Geoscience and Remote Sensing Symposium*, September 20-24, Anchorage, USA. | |
| 11 | Venkateshwarlu, C., Gopal Rao, K., and **Prakash, A.**, 2004, Neural networks in land surface temperature mapping in urban areas from thermal infrared data. *IEEE International Geoscience and Remote Sensing Symposium*, Sept 20-24, Anchorage, USA. | |
| 10 | Venkateshwarlu, C., Gopal Rao, K., and **Prakash, A.**, 2003, Artificial neural networks in the improvement of effective spatial resolution of thermal infrared data for improved landuse classification. *URBAN-2003: Second IEEE/ISPRS Joint Workshop on Remote Sensing and Data Fusion over Urban Areas*, 22-23 May 2003, Berlin, Germany. | |
| 9 | Wagtendonk, A.J., and **Prakash, A.**, 2003, Knowledge sharing through the web: the use of multimedia in a European research project. In *GETS project- A European Research Network for the Application of Geomorphology and Environmental Impact Assessment to Transportation Systems*. | |
| 8 | Stracher, G.B., Taylor, T.P. and **Prakash, A.**, 2002, Coal Fires: A synopsis of their origin, remote sensing detection, and thermodynamics of sublimation, in Shannon, S., editor, Case histories of mine reclamation and regulation. *Environmental Technology for Mining*: Robertson GeoConsultants Inc., Reno, NV; Vancouver, B.C., p. 1-8. | |
| 7 | Das, K.D., Gopal Rao, K., **Prakash, A.**, 2001, Improvement of effective spatial resolution of thermal infrared data for urban landuse classification. *IEEE/ISPRS Joint Workshop on Remote Sensing and Data Fusion over Urban Areas*, 8-9 November 2001, Rome, Italy. | |
| 6 | **Prakash, A.**, 2000, Thermal remote sensing: Concepts, issues and applications. *International Archives of Photogrammetry and Remote Sensing*, XXXIII (B1), 239-243. | |
| 5 | **Prakash, A.**, Sharif, M. and Genderen J.L. van, 1999, Integrated application of geo-techniques for coalfire studies in North China Coalfield. Thematic conference and exhibition on Geomatics, NCC, Tehran-Iran. March 1999, 6p. | |
| 4 | Vekerdy Z., Gens, R. and **Prakash, A.**, 1999, Use of optical and radar imagery to estimate and monitor the quantity of oil in storage tanks. Twentififth Annual Conference and Exhibition of the Remote Sensing Society, 8-10 September 1999, University of Wales at Cardiff and Swansea. | |
| 3 | **Prakash, A.**, 1999, The dynamics of coal mining and coal fires in the Jharia Coalfield, India: geoenvironmental and socioeconomic impacts. Second International Symposium on Operationalization of Remote Sensing, 16-20 August 1999, Enschede, The Netherlands (presentation). | |
| 2 | Vekerdy Z., Wang, F., Zhang, J.M. and **Prakash, A.**, 1999, Requirements for the integration of remote sensing and field data in a GIS for the management of fire fighting in coalfields Second International Symposium on Operationalization of Remote Sensing, 16-20 August 1999, Enschede, The Netherlands. | |
| 1 | **Prakash, A.**, 1995, A case study in the Jharia Coalfield based on remote sensing - GIS. International course on 'Modern technologies for mineral resources assessment and management', I.G.C., UOR, Roorkee, 20 December, 1995 to 13 January, 1996, 31.1-31.8. | |

**Conference Abstracts (Presentations / Posters)**

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| 186 | Broderson, D., Veazey, A., Raymond, V., Kowalski, K., **Prakash, A.**, and Signor, B., 2016, Building University Capacity to Visualize Solutions to Complex Problems in the Arctic, *AGU Fall Meeting*, December 12-16, San Francisco, CA, Abstract ID PA51A-2249 (poster). |
| 185 | Heim, B., Beamish, A.L., Walker, D.A., Epstein, H.E., Sachs, T., Chabrillat, S., Buchhorn, M., and **Prakash, A.**, 2016, Discerning spatial and temporal LAI and clear-sky FAPAR variability during summer at the Toolik Lake vegetation monitoring grid (North Slope, Alaska), *AGU Fall Meeting*, December 12-16, San Francisco, CA, Abstract ID GC43B-1166 (poster). |
| 184 | Waigl, C.F., **Prakash, A.**, Stuefer, M., and Ichoku, C., 2016, Using NPP-Suomi VIIRS I-band data to delineate high- and low-intensity burn areas for forest fires in interior Alaska, derived fire detection products: performance and capabilities for Interior Alaska, *AGU Fall Meeting*, December 12-16, San Francisco, CA, Abstract ID GC42C-02 (presentation). |
| 183 | Ozbay, G., Sriharan, S., Fan, C., **Prakash, A.**, and San Juan, F., 2016, Application of Geographic Information System (GIS) in in Student Experiential Learning on Climate Change and Sustainability, *AGU Fall Meeting*, December 12-16, San Francisco, CA, Abstract ID GC43B-1166 (poster). |
| 182 | Whitley, M.A., Panda, S.K., **Prakash, A.**, and Brinkman, T.J, 2016, Impacts of Colville River dynamics on river navigability near Nuiqsut, Alaska: 1955-present, *AGU Fall Meeting*, December 12-16, San Francisco, CA, Abstract ID GC31H-1189 (poster). |
| 181 | **Prakash, A.**, Cristóbal, J., Buchhorn, M., Graham, P., and Stuefer, M., 2016, HyLab: a hyperspectral laboratory for surface water and vegetation characterization in Alaska's Arctic and boreal regions, *14th International Circumpolar Remote Sensing Symposium*, September 12-16, Holmer, Alaska (presentation). |
| 180 | Daanen, R., Graham, Emond, A., Cristobal, J., Minsley, B., **Prakash, A.**, Holdmann, G., and Liljedahl, A., 2016, Permafrost Remote Sensing Through Airborne Electrom-Magnetic Geophysics and Thermal Anomalies, *14th International Circumpolar Remote Sensing Symposium*, September 12-16, Holmer, Alaska (presentation). |
| 179 | Whitley, M., Panda, S., Prakash, A., and Brinkman, T.S, 2016, Sixty-five years of Colville River dynamics and its impacts on present river navigability near Nuiqsut, North Slope of Alaska, *14th International Circumpolar Remote Sensing Symposium*, September 12-16, Holmer, Alaska (poster). |
| 178 | Kokaly, R.F., Graham, G.E., Hoefen, T.M., Kelley, K.D., Johnson, M.R., Hubbard, B.E., Goldfarb, R., Buchhorn, M., and **Prakash, A.**, 2016, Deriving mineral information at a copper porphyry deposit using laboratory, field, and airborne imaging spectrometer data collected for the Orange Hill Deposit, Alaska, USA, *35th International Geological Congress*, Aug 27 - Sep 4, Cape Town, South Africa (presentation). |
| 177 | Kokaly, R.F., Hoefen, T.M., Graham, G.E., Kelley, K.D., Johnson, M.R., Hubbard, B.E., Goldfarb, R., Buchhorn, M., and **Prakash, A.**, 2016, Mineral information at micron to kilometer scales: Laboratory, field, and remote sensing imaging spectrometer data from the Orange Hill porphyry copper deposit, Alaska, USA, *IEEE International Geoscience and Remote Sensing Symposium*, July 10-15, Beijing China (presentation). |
| 176 | Buchhorn, M., **Prakash, A.**, Hampton, D., Cristóbal, J., Waigl, C., Stuefer, M., and Graham, P., 2016, HyLab: Alaska’s In-State Capability for Airborne Imaging Spectroscopy – Applications for Permafrost, *Eleventh International Conference on Permafrost*, June 20-24, Potsdam, Germany (poster). |
| 175 | Waigl, C.F., **Prakash, A.**, Stuefer, M., and Ichoku, C., 2016, MODIS- and VIIRS derived fire detection products: performance and capabilities for Interior Alaska, *Alaska Geospatial Society Technical Conference*, April 22, Fairbanks, Alaska (poster). |
| 174 | **Prakash, A.**, Cristóbal, J., Buchhorn, M., Graham, P., Kokaly, R.F., Werdon, M, Stuefer, M., and Hampton, D., 2016, Hyperspectral imaging for resource exploration and mapping, *Alaska Geospatial Society Technical Conference*, April 22, Fairbanks, Alaska (invited presentation). |
| 173 | Cristóbal, J., Buchhorn, M., Kokaly, R.F., **Prakash, A.**, Werdon, M, and Graham, P., 2016, Alaska’s new field-based and airborne hyperspectral imaging facility supporting mineral exploration and mapping, *25th Biennial Conference on Alaska Mining*, April 4-10, Fairbanks, Alaska (extended abstract and presentation). |
| 172 | **Prakash, A.**, Daanen, R., and Holdmann, G., 2016, Innovative remote sensing and modeling techniques for developing a low-temperature geothermal resource, *25th Biennial Conference on Alaska Mining*, April 4-10, Fairbanks, Alaska (extended abstract and invited presentation). |
| 171 | Jandt, R.R., Miller, E.A., Bourgeau-Chavez, L.L., Loehman, R.A., Shanks Rodrigues, A.V., Miller, M.E., Prakash, A., and York, A.D., 2016, Wildfire Research to Enhance Ecological and Community Resilience Under Changing Arctic Fire Regimes, *Third Biennial Arctic Observing Summit*, March 12-18, Fairbanks, Alaska (poster). |
| 170 | Cristóbal, J., Buchhorn, M., **Prakash, A.**, and Graham, P., 2016, Observations from field to space: a new integrated high-latitude hyperspectral laboratory for surface water and vegetation characterization in Alaska's Arctic and boreal regions, *Third Biennial Arctic Observing Summit*, March 12-18, Fairbanks, Alaska (poster). |
| 169 | Womble, J.N., McNabb, R.W., **Prakash, A.**, Gens, R., Hoef, J.V., Gende, S.M., 2015, Object-based image classification of glacial ice as habitat for Harbor seals in a tidewater glacial fjord in Alaska, *21st Biennial Conference of the Society of Marine Mammalogy,* December 13-18, San Francisco, CA (presentation). |
| 168 | **Prakash, A.**, Gens, R., Cristóbal, J., Waigl, C., Balazs, M., Graham, P., Butcher, C., and Sparrow, E., 2015, Using place-based independent class projects as a means to hone research skills and prepare a future geospatial workforce, *AGU Fall Meeting*, December 14-18, San Francisco, CA., Abstract ID ED22B-07 (invited presentation). |
| 167 | **Prakash, A.**, Buchhorn, M., Cristóbal, J., Kokaly, R.F., Graham, P., Waigl, C., Hampton, D., Werdon, M, Guldager, N., Bertram, M., and Stuefer, M., 2015, Field-based and airborne hyperspectral imaging for applied research in the State of Alaska, *AGU Fall Meeting*, December 14-18, San Francisco, CA., Abstract ID GC23K-1233 (poster). |
| 166 | Womble, J.N., McNabb, R.W., Gens, R., and **Prakash, A.**, 2015, Spatio-temporal variation in glacier ice habitat for harbor seals in an Alaskan tidewater glacial fjord, *AGU Fall Meeting*, December 14-18, San Francisco, CA., Abstract ID C21A-0728 (poster). |
| 165 | Kokaly, R.F., Graham, G.E., Hoefen, T.M., Kelley, K.D., Buchhorn, M., Johnson, M.R., Hubbard, B.E., Goldfarb., B.E., and **Prakash, A.**, 2015, Characterizing geology and mineralization at high latitudes in Alaska using airborne and field-based imaging spectrometer data, *AGU Fall Meeting*, December 14-18, San Francisco, CA., Abstract ID GC23K-1231 (poster). |
| 164 | Clawson, C., Falke, J., Rose, J., Martin, A., Cristóbal, J., and **Prakash, A.**, 2015, Chandalar River chum salmon (*Oncorhynchus keta*) riverscape-scale salmon habitat assessment and monitoring, *AFS Alaska Chapter Meeting*, Nov 2-6, Homer, Alaska (poster). |
| 163 | Buchhorn, M., Kokaly, R.F., **Prakash, A.**, Werdon, M, Cristóbal, J., and Graham, P., 2015, Field-based and airborne hyperspectral imaging for mineral exploration in the State of Alaska, *Alaska Miners Association Fall Convention*, Nov. 1-7, Anchorage, Alaska (poster). |
| 162 | Womble, J.N., McNabb, R.W., **Prakash, A.**, Gens, R., Hoef, J.V., Gende, S.M., 2015, Assessing the Availability of Glacial Ice for Harbor Seals in Tidewater Glacial Fjord. *Ecosystem Studies of Sub-Arctic Seas (ESSAS) 10th Annual Science Meeting*, June 15-17, Seattle, USA (presentation). |
| 161 | Buchhorn, M., **Prakash, A.**, Hampton, D., Cristóbal, J., Waigl, C., Stuefer, M., Kokaly, R.F., and Graham, P., 2015, HyLab: Alaska’s In-State Capability for Airborne Imaging Spectroscopy, *36th International Symposium on Remote Sensing of Environment (ISRSE)*, May 11-15, Berlin, Germany (poster). |
| 160 | Graham, P., Cristóbal, J., **Prakash, A.**, 2015, Estimation of surface energy fluxes in Arctic ecosystems: integrating multiplatform remote sensing and field data. *AWRA-AK Annual Conference and Workshops: Water Resource Remote Sensing Applications in Alaska*, May 13-15, Fairbanks, AK (poster). |
| 159 | Cristóbal, J., and **Prakash, A.**, 2015, Applications of Remote Sensing in Hydrology. *AWRA-AK Annual Conference and Workshops: Water Resource Remote Sensing Applications in Alaska*, May 13-15, Fairbanks, AK (invited presentation). |
| 158 | Graham, P., Cristóbal, J., **Prakash, A.**, 2015, Integrating multiplatform remote sensing and field data to estimate energy fluxes under snow conditions in Arctic ecosystems. *Education and Research Symposium*, April 23-24, Fairbanks, Alaska (presentation). |
| 157 | Cristóbal, J., **Prakash, A.**, Graham, P., Anderson, M. C., Kustas, W.P., Kongoli, C., Hain, C., Euskirchen, E., and Toll, D., 215, Multitemporal estimation of surface energy fluxes in Alaska using the thermal-based two-source energy balance model: results in the Arctic Tundra. *Education and Research Symposium*, April 23-24, Fairbanks, Alaska (presentation). |
| 156 | Waigl, C., Stuefer, M., and **Prakash, A.**, 2015, Current work in fire remote sensing at the University of Alaska Fairbanks. Alaska Fire Service Spring Training, April 1, Fairbanks, Alaska (poster). |
| 155 | Starkenburg, D.P., Fochesatto, G.J., **Prakash, A.**, Carsten-Conner, L.D., and Kontar, Y.Y., 2015, The Science Acceleration Strategy (SAS) for Research and Education. *95th American Meteorological Society Annual Meeting*, January 4-8, Phoenix, Arizona (presentation). |
| 154 | Waigl, C., **Prakash, A.**, Stuefer, M., and Dennison, P., 2014, Fire Characterization and Fire-Related Land Cover Classification Using Hyperion Data over Selected Alaskan Boreal Forest Fires. *AGU Fall Meeting*, December 15-19, San Francisco, CA. Abstract ID 19941 (poster). |
| 153 | **Prakash, A.**, Buchhorn, M., Hampton, D., Waigl, C., and Cristóbal, J., 2014, HyLab: Building In-State Capabilities for Imaging Spectroscopy in Alaska. *AGU Fall Meeting*, December 15-19, San Francisco, CA. Abstract ID 30789 (poster). |
| 152 | Cristóbal, J., **Prakash, A.**, Anderson M. A., Kustas W. P., and Kane, D., 2014, Two-source energy balance model implementation in the Alaska Arctic tundra. *AGU Fall Meeting*, December 15-19, San Francisco, CA. Abstract ID 25955 (poster). |
| 151 | McNabb, R. W., Womble, J.N., **Prakash, A.**, Gens, R., and J. Ver Hoef, 2014, Object-Based Image Classification of Floating Ice Used as Habitat for Harbor Seals in a Tidewater Glacier Fjord in Alaska. *AGU Fall Meeting*, December 15-19, San Francisco, CA. Abstract ID 25191 (poster). |
| 150 | Graham, P.R., Cristóbal, J., and **Prakash, A.**, 2014, Hydrologic Modelling in Sub-Arctic Boreal Forests using Remote Sensing: An Enhanced Undergraduate Education Through Research. *Arctic Science Conference*, September 27–28, Fairbanks, Alaska (poster). |
| 149 | Waigl, C., **Prakash, A.**, and Gens R., 2014, The Arctic seen from space: enhancing STEM education with interactive learning. *Arctic Science Conference*, September 27–28, Fairbanks, Alaska (presentation). |
| 148 | McGilvary, L., Hayward, D. and **Prakash, A.**, 2014, Building a future STEM workforce through technology-based learning experiences. *Arctic Science Conference*, September 27–28, Fairbanks, Alaska (poster). |
| 147 | Cristóbal J., **Prakash, A.**, Starkenburg, D.P., Fochesatto, G.J., Anderson, M., Kustas, W., Alfieri, J.G., Gens, R., and Kane, D.L., 2014, Calibration and validation of a two-source energy balance model to estimate surface energy fluxes in a sub-Arctic deciduous boreal forest. *4th International Symposium on Recent Advances in Quantitative Remote Sensing*, September 22-26, Valencia, Spain (poster). |
| 146 | Ozbay, G., Sriharan, S., Fan, C., **Prakash, A.**, and San Juan, F., 2014, Application of Geographic Information System (GIS) in Environmental Science and Sustainable Agriculture Education. *6th International Conference on Education and New Learning Technologies (EDULEARN14)*, July 7-9, Barcelona, Spain (presentation). |
| 145 | **Prakash, A.**, and Cristóbal, J., 2014, The potential for hyperspectral imaging for vegetation (forestry) studies in southeast Alaska. *UAF Remote Sensing Symposium,* April 18, Fairbanks, Alaska (presentation). |
| 144 | Meggers, S., Seitz, A., **Prakash, A.**, and Tanner, T, 2014, Factors influencing Chinook salmon spawning distribution in the Togiak River, Alaska. *Alaska Cooperative Fish and Wildlife Research Unit Annual Research Review Meeting*, March 26, Fairbanks, AK (presentation). |
| 143 | **Prakash, A.**, Cristóbal, J., Hatfield, M., Cunningham, K., Saiet, E., and Cook, M., 2014, New Sensors and Unmanned Aerial Systems for Mapping and Exploration. Hyperspectral and Unmanned Aerial System Workshop at the *Alaska Surveying and Mapping Conference*, Session Convenors, March 24-28, Fairbanks, AK (presentation). |
| 142 | **Prakash, A.**, Haselwimmer, C.E, Gens, R., Womble, J.N., and Ver Hoef, J., 2013, Quantifying the availability of tidewater glacial ice as a habitat for Harbor Seals in John's Hopkins Inlet, Alaska using Object-Based Image Analysis of airborne visible imagery, *AGU Fall Meeting*, December 9-13, San Francisco, CA (poster). |
| 141 | **Prakash, A.**, Sriharan, S., Ozbay, G., SanJuan, F., Fan, C., and David, V., 2013, Enhancing GIS Instruction at 1890 Institutions and HBCUs through Collaboration with the University of Alaska Fairbanks, *AGU Fall Meeting*, December 9-13, San Francisco, CA (poster). |
| 140 | Cristóbal J., **Prakash, A.**, Starkenburg, D.,P., Fochesatto, G.J., Anderson, M., Kustas, W., Alfieri, J.G., Gens, R., and Kane, D.L., 2013, Implementation of a two-source energy balance model in a sub-Arctic deciduous boreal forest, *AGU Fall Meeting*, December 9-13, San Francisco, CA (poster). |
| 139 | Gens, R., **Prakash, A.**, Balazs, M.S., Chittambakkam, A., Starkenburg, D.P., Waigl, C., Jones, E., Ozbay, G., Ferguson, A., Foster, K., Kluge, A., Sriharan, S., Cook, S., Stilson, K., 2013, A Prototype Two-tier Mentoring Program for Undergraduate Summer Interns from Minority-Serving Institutions at the University of Alaska Fairbanks, *AGU Fall Meeting*, December 9-13, San Francisco, CA (poster). |
| 138 | Haselwimmer, C.E., Wilson, R., Upton, C., **Prakash, A.**, Holdmann, G., and Walker, G., 2013, Hyperspatial Thermal Imaging of Surface Hydrothermal Features at Pilgrim Hot Springs, Alaska using a small Unmanned Aerial System (sUAS), *AGU Fall Meeting,* December 9-13, San Francisco, CA (poster). |
| 137 | Starkenburg, D. P., Fochesatto, G.J., Nagano, H., Harazono, H., Iwata, H., Cristobal, J., Prakash, A., and Kane D., 2013, Large Scale Turbulent Heat Fluxes in Boreal Forest of Interior Alaska, *AGU Fall Meeting,* December 9-13, San Francisco, CA (poster). |
| 136 | Waigl, C., Stuefer, M., and **Prakash, A.**, 2013, Remote sensing of Alaskan boreal forest fires at the pixel and sub-pixel level: multi-sensor approaches and sensitivity analysis, *AGU Fall Meeting,* December 9-13, San Francisco, CA (poster). |
| 135 | **Prakash, A.**, Haselwimmer, C.E., Hampton, D., Kampe, T., Roberts, D.A., Mueller, A., and Bachmann, M., 2013, The University of Alaska Hyperspectral Imaging Laboratory (UA HyLab): building capacity for airborne imaging spectroscopy supporting Alaskan and Arctic science and applications, and HyspIRI preparatory activities. *HyspIRI Science and Applications Workshop,* October 15-17, Pasadena, CA (presentation). |
| 134 | Meggers, S., Seitz, A., **Prakash, A.**, and Haselwimmer, C.E., 2013, Factors influencing Chinook salmon spawning distribution in the Togiak River, Alaska. *Alaska Fisheries Society Meeting,* October 9-11, Fairbanks, Alaska (presentation). |
| 133 | **Prakash, A.**, Cristóbal, J., Haselwimmer, C.E., and Hampton, D., 2013, Potential of Hyperspectral Remote Sensing for Mapping Permafrost Features and Associated Biophysical Variables. *NRC Permafrost Workshop*, October 9, Fairbanks, AK (presentation). |
| 132 | Walsh J. and Prakash A., 2013, Remote Sensing and Observation Research Scenario. *Arctic Collaborative Environment (ACE) Technical Review and Interchange Meeting*, September 9-10, Fairbanks, AK (presentation). |
| 131 | Starkenburg, D.P., Fochesatto, G.J., and **Prakash A.**, 2013, The influence of low velocity winds and gravity waves on the detection and analysis of coherent structures in the Alaskan boreal forest, *Alaska Weather Symposium*, March 13, Fairbanks, AK (presentation). |
| 130 | Womble, J.N., Hoef, J.V., **Prakash, A.**, Haselwimmer, C., and Gens, R., 2013, Assessing the availability of glacial ice as habitat for harbor seals in a tidewater glacial fjord, *Alaska Marine Science Symposium*, January 21-25, Anchorage, Alaska (presentation). |
| 129 | Cristóbal, J., **Prakash, A.**, Starkenburg, D.P., Fochesatto, G.J., Anderson, M., Gens, R., Kane, D.L., Kustas, W., and Alfieri, J.G., 2012, Energy fluxes retrieval on an Alaskan Arctic and sub-Arctic vegetation by means MODIS imagery and the DTD method, *AGU Fall Meeting*, Dec 3-7, San Francisco, California. Abstract no. H21H-1270 (poster). |
| 128 | Floyd, A., **Prakash, A.**, Meyer, F.J., Gens, R., and Liljedahl, A.K., 2012, Using synthetic aperture radar to study river ice breakup on the Kuparuk River, Northern Alaska, *AGU Fall Meeting*, Dec 3-7, San Francisco, California. Abstract no. C21C-0621 (poster). |
| 127 | Gens, R., Cristóbal, J., and **Prakash, A.**, 2012, Integrating geospatial data and models for higher order product generation and visualization in open-source domain, *AGU Fall Meeting*, Dec 3-7, San Francisco, California. Abstract no. H13M-06 (presentation). |
| 126 | Haselwimmer, C.E., **Prakash, A.**, Parr, C., Stowell, L., Miller, J.K., Daanen, R.P., and Holdmann, G., 2012, Investigating geothermally-heated ground at Pilgrim Hot Springs, Alaska using remote sensing observations of anomalous snow-melt and in-situ shallow temperature measurements, *AGU Fall Meeting*, Dec 3-7, San Francisco, California. Abstract no. V13A-2808 (poster).. |
| 125 | **Prakash, A.**, Cristóbal, J., Fochesatto, G.J., Starkenburg, D.,P., Kane, D.L., Gens, R., Alfieri, J.G., Irving, K., Anderson, M., and Kustas, W., 2012, Field-based ET calibration and validation sites in interior Alaska: Preparatory science for NASA's planned HyspIRI mission, *AGU Fall Meeting*, Dec 3-7, San Francisco, California. Abstract no. H13F-1426 (poster). |
| 124 | Starkenburg, D.,P., Fochesatto, G.J., Cristóbal, J., **Prakash, A.**, Gens, R., and Kane, D.L., 2012, The contribution of coherent structures to the aggregation of large-scale heat fluxes in the Alaskan boreal forest, *AGU Fall Meeting*, Dec 3-7, San Francisco, California. Abstract no. A13D-0251 (poster). |
| 123 | Waigl, C., **Prakash A.**, and Stuefer, M., 2012, Sub-pixel characterization of Alaskan boreal forest fires using medium-resolution satellite-borne infrared remote sensing, *AGU Fall Meeting*, Dec 3-7, San Francisco, California. Abstract no. NH53A-1813 (poster). |
| 122 | Schaefer, K., **Prakash, A.**, Witte, W.K., and Gens, R., 2012, Developing A Decision Support System For Emergency Management Services, Alaska, *ESRI International User Conference*, Oct 26, Redland, CA (presentation). |
| 121 | **Prakash, A.**, Cristóbal, J., Fochesatto, G.J., Starkenburg, D.,P., Gens, R., Kane, D.L., Alfieri, J.G., Irving, K., Anderson, M., and Kustas, W., 2012, New evapotranspiration CalVal sites in interior Alaska: Preparatory science for NASA's planned HyspIRI mission, *Fifth HyspIRI Science Workshop*, Oct 16-18, Washington D.C. (presentation). |
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