This is a bibliography of peer-reviewed publications and other published documents (reports, theses, etc.) enabled by data access, online data processing, and education and training materials available through the National Science Foundation supported OpenTopography Facility (including the GEON Lidar Workflow, the predecessor to OpenTopography) since about 2006.

The impact of OpenTopography spans numerous disciplines spanning the earth and natural sciences, remote sensing, computer science, and geographic information science. OpenTopography has also enabled technical reports and other publications from government agencies and commercial-sector organizations.

The bibliography compiled below is based on Web of Science and Google Scholar searches as well as reports from members of the OpenTopography community. Citations are in GSA format with accompanying DOIs and an italicized description of what subject, application and/or dataset was used in the publication.

**Total Peer-Reviewed Publications:** 140  
**Total Other Publications:** 45
Peer Reviewed Publications

2006

   Earth Science (South Fork Eel River, CA Watershed Morphology)

   Computer Science


   Earth Science (Death Valley National Park: Badwater Basin)

2009


   Earth Science (B4 Project- Southern San Andreas and San Jacinto Faults)


   Computer Science (EarthScope Northern California LiDAR Project)


   Earth Science (EarthScope Northern California LiDAR Project)


   Geography
   *Earth Science (B4 Project- Southern San Andreas and San Jacinto Faults)*

   *Earth Science (EarthScope Northern California LiDAR Project)*

   *Computer Science (EarthScope Northern California LiDAR Project)*

   *Remote Sensing (B4)*

   *Earth Science (EarthScope Intermountain Seismic Belt Lidar Project)*

   *Computer Science*

   Computer Science


   Earth Science (B4 Project- Southern San Andreas and San Jacinto Faults)

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2011


   Computer Science


   Computer Science (EarthScope Northern, Southern & Eastern CA Lidar Project)


   Remote Sensing (World Bank- ImageCat Inc.- RIT Haiti Earthquake Lidar Dataset)


   Geography


   Computer Science


   Earth Science (B4 Project- Southern San Andreas and San Jacinto Faults)

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2012
   *Earth Sciences (Boulder Creek CZO August 2010 Snow-Off Lidar Survey)*

   *Computer Science*

   *Computer Science*

   *Earth Science (B4 Project- Southern San Andreas and San Jacinto Faults)*

   *Earth Science/Computer Science*

   *Earth Sciences (World Bank- ImageCat Inc.- RIT Haiti Earthquake Lidar Dataset)*

   *Earth Science/Education (Lake Tahoe Basin LiDAR)*

   *Earth Science (Northern San Andreas Fault, & EarthScope Northern CA LiDAR Project)*

   *Earth Science (San Gabriel, CA, Mount Baden Powell)*
   *Earth Science (EarthScope Northern California LiDAR Project & EarthScope Southern and Eastern California Lidar Project)*

   *Earth Science (B4 Project- Southern San Andreas and San Jacinto Faults)*

   *Earth Science (Granite Dells, AZ)*

   *Earth Sciences (EarthScope Intermountain Seismic Belt Lidar Project)*

   *Geography*

   *Geography*

   *Earth Science (Chalk Basin, CO)*

   *Earth Sciences*
   \textit{Earth Science/Remote Sensing (B4 Project- Southern San Andreas and San Jacinto Faults)}

   \textit{Earth Science (El Mayor–Cucapah)}

   \textit{Earth Science}

   \textit{Earth Science (Alaska Denali Rupture GeoEarthScope)}

   \textit{Computer Science}

   \textit{Earth Science (B4 Project- Southern San Andreas and San Jacinto Faults)}

   \textit{Earth Science (B4 Project- Southern San Andreas and San Jacinto Faults)}

2013

   \textit{Remote Sensing (OT as means for testing mobile lidar units)}
   Remote Sensing (OT as an effort to make lidar data and processing more accessible.)

   Earth Science (North Sister, OR: Collier Cone Lava Flow)

   Earth Science

   Earth Science (Dragon’s Back Ridge, and EarthScope Yakima LiDAR Project, Yakima)

   Remote Sensing

   Earth Sciences (El Mayor-Cucapah Earthquake (4 April 2010) Rupture LiDAR Scan, TLS data)

   Remote Sensing

   Computer Science

    Computer Science
   Computer Science (OpenTopo mentioned as a group using .laz files for point clouds)

   Earth Science (EarthScope Intermountain Seismic Belt Lidar Project)

   Remote Sensing (Yosemite National Park: Poopenaut Valley and Wawona)

   Computer Science

   Earth Science (B4 Project- Southern San Andreas and San Jacinto Faults)

   Earth Science/Remote Sensing

   Remote Sensing

   Remote Sensing

   Computer science
   *Earth Science (2010 Salton Sea Lidar Collection)*

   *Earth Science (EarthScope Northern California LiDAR Project)*

   *Computer Science Yosemite (National Park, CA: Rockfall Studies)*

   *Remote Sensing (Utah and CA)*

   *Remote Sensing*

   *Earth Science (Meteor Crater, AZ)*

   *Remote Sensing (Northern San Andreas Fault, CA and EarthScope Northern California LiDAR Project)*

   *Remote Sensing*

   *Earth Sciences (Idaho Lidar Consortium)*


2014


   Computer Science (Gridding using tools from OT)

   Geography (South Fork Eel River, CA Watershed Morphology, South Fork Eel River, CA)

   Earth Science/Remote Sensing (Shale Hills CZO leaf off)

   Earth Science/Remote Sensing (Truckee CA, Sogehen Creek Snowpack (Seed grant))

    Geography (Southern Sierra Nevada Critical Zone Observatory: Snow Off)

    Computer Science

    Earth Science (Hawaii Big Island lidar survey)

    Earth Science

    Earth Science/Computer Science (Lake Tahoe Basin LiDAR)


Earth Science (El Mayor-Cucapah, Mexico)


Earth Science (EMC pre (private) and post event lidar).


Earth Science (Walker Lane USGS. Mentions that data are available on OpenTopo)


Earth Science (EarthScope Alaska Denali Totschunda LiDAR Project)


Earth Science (CZOs Jemez Basin, Boulder Creek, Southern Sierra)


Remote Sensing


Earth Science (B4 for comparison and SfM data)


Earth Science/Remote Sensing (Christiana River basin, Iowa river, NMSZ, Owyhee River, Mojave, CA)

   Computer Science (DEM access and use of Opal2 SOAP, OGC WPS and OGC CSW)


   Earth Science (DOGAMI)


   Earth Science/Remote Sensing (B4 Project- Southern San Andreas and San Jacinto Faults)


   Earth Science


   Remote Sensing (Oregon Department of Geology and Mineral Industries Lidar Program Data, San Gabriel Mountains, CA: Tectonics and Topography, Shuttle Radar Topography Mission)


   Computer Science


   Earth Science (B4 Project- Southern San Andreas and San Jacinto Faults)


   Earth Science
   
   *Earth Science (Jemez River Basin Snow-off & Snow-on Lidar Surveys, CZO)*

   
   *Geography (Shuttle Radar Topographic Mission)*

   
   *Computer Sciences/Remote Sensing (B4 Project, Southern San Andreas & San Jacinto Faults)*

   
   *Earth Science (Northern San Andreas Fault, EarthScope Northern California LiDAR Project)*

   
   *Earth Science (B4 Project- Southern San Andreas and San Jacinto Faults)*

   
   *Earth Science*

   
   *Computer Science/Remote Sensing*

   
   *Computer Science*
   Earth Science

   Earth Science (El Mayor-Cucapah)

   Remote Sensing

   Remote Sensing

   Earth Science (San Gabriel, CA)

   Earth Science (B4 Project- Southern San Andreas and San Jacinto Faults)

   Geography

   Earth Science

   *Earth Science (Oregon Department of Geology and Mineral Industries Lidar Program Data)*

   *Earth Science (Eel River, CA)*

   *Earth Science (SRTM Croatia)*

   *Computer Science/Earth Science (SRTM Croatia)*

   *Earth Science*

   *Computer Science*

   *Earth Science (Grass Lake, Lake Tahoe, CA)*

   *Earth Science (Krycklan, Sweden)*

   *Geography*
   Earth Science (Salmon River Idaho, Bald Rock Basin, California, etc.)

   Earth Science (Tenderfoot Creek, Montana)

   Earth Science/Remote Sensing (Jemez, NM)

   Earth Science

   Earth Science (El Mayor-Cucapah)

   Remote Sensing

   Earth Science/Remote Sensing

   Earth Sciences (EarthScope Northern California LiDAR Project )

Theses
2006
   Earth Science/Computer Science

2010
   Earth Science (B4)

   Earth Science (Eel River, CA)

2011
   Earth Science/Remote Sensing

2012
   Computer Science

   Computer Science

   Earth Science

2013
   Computer Science (San Diego, 2005, Haiti)

   Earth Science/Remote Sensing (EarthScope NoCal)

   Remote Sensing/Earth Science (DOGAMI)
4. Gorum, T., 2013, Towards a better understanding of earthquake triggered landslides: An analysis of the size, distribution pattern and different tectonic and geomorphic environments [Ph.D. Thesis]: Mus, Turkey, University of Twente.
   *Earth Science (EarthScope Alaska Denali Totschunda LiDAR Project)*

   *Earth Science (B4)*

   *Earth Science (Valles Caldera CZO)*

   *Earth Science (ECSZ)*

**2014**

   *Earth Science (SRTM)*

   *Earth Science (Sierra Nevadas)*

   *Earth Science (Hector Mine)*

   *Earth Science (B4)*

**2015**

   *Earth Science/Computer Science (Santa Cruz)*

   *Earth Science (Tenderfoot Creek)*

Reports & White Papers

2009


   Earth Science


   Earth Science

2010


   Earth Science


   Computer Science


   Earth Science


   Earth Science

5. Rathje, E., Bachhuber, J., Cox, B., French, J., Green, R., Olson, S., Rix, G., Wells, D., Suncar, O., Harp, E., Mann, P., and Koehler, R., 2010, Geotechnical engineering reconnaissance of the 2010

Earth Science


Earth Science

2011


Earth Science


Earth Science


Computer Science


Earth Science/Remote Sensing


Earth Science
   Computer Science

   Earth Science

2013

2. Scharer, K., & Fumal, T., 2013, Determining slip per event on the San Andreas fault from fold deformation at the Frazier Mountain site. Earth Science (B4)


2014


2015
   *Earth Science*

3. Perez, Florante G., Bryant, William A., 2015, The San Andreas Fault in the Mescal Creek and 
   Mount San Antonio 7.5' quadrangles, Los Angeles and San Bernadino counties, California: 
   *Earth Science*