



University of Nevada, Reno



**Workshop Announcement: Distributed Temperature Sensing for Earth Sciences**  
December 7 and 8, 2013, Stanford University, Palo Alto, CA

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**Registration:** Limited to 20 participants who may register for individual days (\$150/Day professionals, \$75/Day students) or for the entire workshop (\$200). Registration will include all workshop materials, coffee and lunches each day. Contact Jennifer Cohen ([Jennifer.Cohen@oregonstate.edu](mailto:Jennifer.Cohen@oregonstate.edu)) for logistics and registration.

The NSF Centers for Transformative Environmental Monitoring Programs (CTEMPs) will offer a two-day hands-on workshop on the theory, application and analysis of distributed temperature sensing (DTS) for earth sciences. The workshop will accommodate a wide range of practitioners, from those interested in an introduction to the methods, to those wanting to learn state of the art data processing to getting the greatest possible precision from your DTS data. Examples will be taken from the Ross Ice Sheet, the Dead Sea, Atmospheric Turbulence in Colorado, deep rock installations in Nevada, and rivers and lakes around the world. All participants will have the opportunity to work directly with a wide range of DTS instruments, instrument manufacturers and cables designed specifically for environmental sensing. DTS manufacturers, fiber optic cable manufacturers, and CTEmps staff will lecture and be available for consultation on special issues. Please feel free to bring data sets.

Day 1 (December 7) will introduce the theory of DTS as well as provide hands-on experience with instrument and fiber handling. Day 2 (Dec 8) will concentration of aspects of field installation and data processing (calibration).