



Stanford CTEmps 2015 Workshop Program: **DTS in Earth Sciences** **December 12-13, 2015**

December 12th

7:30 - 8:15	Registration light breakfast and coffee Braun Hall (building 320)
8:15-8:30	Introduction to the Workshop. John Selker
8:30-9:10	Distributed temperature sensing using fiber optics: The Physics. Scott Tyler
9:10-9:30	Introduction to instrument selection. John Selker
9:30-10:15	Installations to date. Scott Tyler and John Selker.
10:15-10:45	Coffee break and first chance to see equipment.
10:45-12:00	Concepts in calibration (bring your laptop with Excel!). Mark Hausner
12:00 – 12:30	Start hands-on calibration exercise
12:30 - 1:15	Lunch
1:15 – 2:00	Calibration: Real world challenges Algorithms and Tools. Scott Tyler
2:00 – 2:30	Installation and power, fiber selection. John Selker
2:30 – 3:15	Hands-on Demonstration of DTS and Splicer (runs parallel to calibration)
3:15-4:45	Completion of calibration exercise
4:45-5:15	Recap of questions, answers, and outstanding issues.

December 13th

8:15-8:45	Early-birds welcome to crack into muffins, coffee and data.
8:45-9:30	Overview of data sets, including from participants
9:30-11:15	Data analysis breakout (working in teams): Real data, real problems!
11:15-11:45	Instrument specs, Selker
11:45-12:15	New developments in DTS - Thomas Coleman – Silixa
12:15 -1:00	Lunch
1:00-3:00	Data analysis
3:00-4:00	Group presentations of data analysis
4:00-4:30	Wrap-up discussion and evaluations