

**HYDRAULIC TOMOGRAPHY WORKSHOP**  
**JUNE 8-9, 2006**  
**BOISE STATE UNIVERSITY, BOISE, IDAHO, USA**

Thursday, June 8 in Math-Geosciences Building, Room 125

0730 Registration, Continental Breakfast

0800 Welcome -- Cheryl Schrader, Dean, College of Engineering, Boise State University

0810 Introductions, Logistics -- Warren Barrash, Boise State University

0815 Overview and status of hydraulic tomography -- Jim Yeh, University of Arizona

0900 Steady-shape hydraulic tomography -- Geoff Bohling, Kansas Geological Survey, University of Kansas

0930 Hydraulic travel-time tomography -- Ralf Brauchler, University of Goettingen, Germany

1000 Break

1015 Laboratory investigations of hydraulic and tracer tomography -- Walter Illman, University of Iowa

1045 Concepts for hydraulic tomography -- Peter Kitanidis, Stanford University

1115 Hydraulic tomography at the Boise Hydrogeophysical Research Site (BHRS) -- Warren Barrash, Boise State University

1145 Break

1200 Working lunch (catered): Poster Session and Group Task to develop lists of challenges and opportunities with hydraulic tomography

Poster: Parallel programming and computing for large-scale hydraulic tomography -- Xing Cai, University of Oslo, Norway

Poster: Adjoint state sensitivity code for MODFLOW-2005 -- Tom Clemo, Boise State University

Poster: Information content in 2D hydraulic tomography data -- Tom Clemo, Boise State University

Poster: Research platform MOSAIC (Model-Driven Site Assessment, Information & Control) -- Carsten Leven, UFZ, University of Leipzig, Germany

Poster: Inverse stochastic moment analysis of transient flow in randomly heterogeneous media -- Bwalya Malama, University of Arizona (Boise State University)

Poster: Geophysical tomography and model appraisal -- Partha Routh, Boise State University

Poster: Sequential pumping tests at a wellfield, Montalto Uffugo Scalo, Italy -- Salvatore Straface, University of Calabria

Poster: 2D hydraulic tomography: the self-potential signals associated with a pumping test -- Salvatore Straface, University of Calabria

Poster: Transient 3D hydraulic tomography -- Junfeng Zhu, University of Arizona

1400 Overview: Field trip and BHRS - Warren Barrash

1415 Visit outcrop analog for sediments at the BHRS, then visit BHRS with example of hydraulic tomography set-up

1630 Travel back

1700 Open discussion at brew pub

1800? Dinner (hosted by Boise State, location TBD)

*Friday, June 9 in Math-Geosciences Building, Room 125*

0745 Continental Breakfast

0815 Group discussion: Modeling approaches (challenges, opportunities...)

0945 Break

1000 Group discussion: Methods and instrumentation (challenges, opportunities...)

1130 Working lunch (catered): Group discussion: Consideration of joint experiment(s)

1330 Group discussion: Summary and recommendations

1530 Open to continue, break, make travel connections....

----- Dinner (hosted by Boise State, location TBD)