



April 2015

LOS ANGELES BASIN GEOLOGICAL SOCIETY MEETING ANNOUNCEMENT

April 23 (Thursday)

Matthew Becker

Professor of Geological Sciences and the Bert Conrey Endowed Chair in
Hydrogeology at California State University, Long Beach

Enhanced Geothermal Systems

Abstract

We live on a trillion cubic kilometers of molten rock. Geothermal energy seems like a no-brainer: sink some deep wells, circulate hot water, and drive turbines. How hard can it be? Really hard, as it turns out. Now that most of the natural geothermal flow systems have been tapped, we need to make new systems using “enhanced geothermal methods”. This will take an unprecedented collaboration of engineers and geologists, but the potential is enormous. By some estimates, enhanced geothermal energy could meet the world’s current energy needs for millennia. We will discuss some of the technology advances that will be needed to get there and what we are doing at CSULB. Our efforts are aimed at understanding the “geologic plumbing” of geothermal flow systems and the development of characterization tools to predict help good systems and fix poor ones.

Speaker’s Biography

Matthew Becker is a Professor of Geological Sciences and the Bert Conrey Endowed Chair in

Hydrogeology at California State University, Long Beach. He earned his B.S. in geology at Michigan State University, his M.S. and Ph.D. in civil engineering at University of Texas-Austin, and has held positions at the U.S. Geological Survey, Los Alamos Laboratories, NASA Goddard, the University of Buffalo, and the University of Trento, Italy. His research is focused on how water, heat, and chemicals migrate through fractured bedrock systems.

Meeting Time, Place, Cost and Reservations

Time:

Thursday, April 23, 2015

Meeting Agenda

Lunch Served: 11:30 AM to 12:00PM
Announcements: 11:45 AM to 12:00 PM
Guest Speaker: 12:00 PM to 12:45 PM
Questions/Close: 12:45 PM to 1:00 PM

Place:

The Grand at Willow Street Conference Center
located at 4101 East Willow Street, Long Beach, CA.

(562-426-0555). Take Lakewood Boulevard south from the San Diego Freeway (405), turn west onto Willow Street and turn right onto Grand Avenue at the sign for the Center. Park free in the garage structure.

Cost:

Lunch and Speaker: **\$25.00 with reservations**
\$30.00 without reservations
Retired: \$20.00
Student: **\$5.00**

Meeting Reservations:

Make your reservations using our web site at www.labgs.org, or by calling Graham Wilson (562)-326-5278, or emailing gwilson@shpi.net.

PLEASE Make:☺ Reservations must be made by 10:00 AM Tuesday morning prior to Thursday's meeting to receive discount price noted above. As always walk-ins are welcome.

Student Sponsorship

Looking for Student Lunch sponsors. If you or your Business/Organization would like to become a Student Lunch Sponsor, please let us know.

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OUR WEB SITE ADDRESS IS:
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2015 Scholarship Awards

I am very pleased to announce the 2015 Pacific Section and LABGS Scholarship Award winners for this year. We hope they will be our guests at our April luncheon meeting so we can personally meet these deserving students. Congratulations to all:

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|----------------------|-------|
| Georgeanne Aronson | CSULB |
| Stephanie Jones | CSULB |
| Maia Davis | CSULB |
| Ryan Weller | CSULB |
| Mayra Martinez | CSULA |
| Derik De Baun | CSULB |
| Jenifer Leidelmeijer | CSULB |
| Christopher Gentile | UCR |
| Anayeli Picasso | SDSU |
| Yannick Wirtz | CSULB |
| Amar Rao | CSULB |
| Kristen Faulkner | CSULB |
| Hannah Shamloo | CSUN |
| John Zumberge | UCR |