

Geothermal

Geothermal Research Symposium 2011

May 23 - 24, 2011
Colorado School of Mines

Program • Day 1 • Monday • May 23, 2011

- 7:30 – 8:30 Registration and Continental Breakfast
- 8:30 – 9:00 Welcome and Opening Announcements: *Dag Nummedal and Masami Nakagawa*, CSM
- 9:00 – 9:30 Keynote Speaker: *Dr. Stuart Simmons*, Visiting Research Professor, CSM
- 9:30 – 10:00 “Direct Use Project in Boise, ID” : *Kent A. Johnson*, Project Manager, Public Works Dept, Boise , ID
- 10:00 – 10:30 “Geothermal Development Status in Japan”, *Norio Yanagisawa*, AIST, Japan
- 10:30 – 11:00 “Underground Burning Coal Seams and Geothermal”, *Taku Ide*, Stanford
- 11:00 – 11:15 Break and refreshments
- 11:15 – 11:35 The National Renewable Energy Laboratory, *Tom Williams*
- 11:35 – 11:55 The Governor’s Energy Office, *Francisco Floras*
- 11:55 – 12:15 The NAVY Geothermal Program, *Andy Sabin*
- 12:15 – 12:35 The Department of Energy, *Eric Hass*
- 12:35 – 2:00 Lunch

Session I : Direct Use

- 2:00 – 2:30 “Expanding the Use of Geothermal Energy in Pagosa Springs, Colorado”, *Gerry Hutterer and John W. Lund*, Geothermal Management Co., Inc. and NREL
- 2:30 – 3:00 “Needed Research for Hydrothermal Geothermal Resources”, *Fred Henderson*, Mt. Princeton Geothermal LLC
- 3:00 – 3:30 “Geothermal Power Generation: Converting Low Temperature Geothermal Energy to Renewable Electric Power”, *Jim Meehan*, MHC Green Energy, Inc.
- 3:30 – 3:45 Break and refreshments

Session II : Geothermal Heat Pumps

- 3:45 – 4:15 “GHP Projects for Colorado Mountain College”, *Nancy Genova*, CMC
- 4:15 – 4:45 “Ground Source Heat Exchange in Landfill Applications”, *Charles James Coccia, John McCartney and Ranjiv Gupta*, CU-Boulder
- 4:45 – 5:15 “The Smart Geothermal Network”, *Erik Larson*, IndieEnergy
- 5:15 – 5:45 “Innovative GHP Projects”, *Trey Austin*

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Program • Day 2 • Tuesday • May 24, 2011

Session III: Hydrothermal and Geothermal Power Generation

- 7:30 – 8:30 Continental Breakfast
- 8:30 – 9:00 Geothermal Research Opportunity for the Edgar Experimental Mine
- 9:00 – 9:30 “Assessing Ground Gravity and Airborne Gravity Gradiometry Methods for a Geothermal Exploration Project in the Southern Walker Lake Basin, Nevada”, *J.D. Shoffner, Y.Li., A. Sabin, M. Lazaro*, CSM and Department of the NAVY
- 9:30 – 10:00 “Exploration Successes in Nevada and the Great Basin”, *W.M. Calvin*, Center for Geothermal Energy, University of Nevada, Reno
- 10:00 – 10:30 “A Tracer Analysis Tool for Geothermal Reservoirs”, *Mitchell, A. Plummer, Carl D. Palmer, Earl D. Mattson, Laurence C. Hull*, Idaho National Laboratory
- 10:30 – 11:00 “A Geochemical Clogging Model with Calcite Precipitation Rates at Hydrothermal Condition”, *S.Y. Yoo, Y. Kuroda, Y. Mito, T. Matsuoka, M Nakagawa, A. Ozawa, K. Sugiyama and A. Ueda*
- 11:00 – 11:15 Break and refreshments

Session IV : Non-Conventional Geothermal

- 11:15 – 11:45 “Shallow Engineered Geothermal Systems using Burning Coal”, *Masami Nakagawa*, CSM
- 11:45 – 12:15 “The Regulatory Framework for Geothermal Development”, *Martin Piszczalski*, Sextant Research
- 12:15 – 1:30 Lunch

Session V : Enhanced Geothermal Systems

- 1:30 – 2:00 “Potential for High-Yield Hydrothermal Systems in Fractured Karst Permeability, Sand Wash Basin, Colorado”, *Paul Morgan, Matthew Sares, Peter Barkmann and Brian Scott*, Colorado Geological Survey
- 2:00 – 2:30 “Chemical Diverters for EGS Reservoir Optimization”, *Susan Petty, Daniel Bour, Laura Nofziger, Yuni Nordin*, AltaRock Energy, Inc.
- 2:30 – 2:45 Break and refreshments
- 2:45 – 3:15 “New Fractured-Rock Modeling for Engineered Geothermal Systems”, *Peter Leary and Peter Malin*, Institute of Earth Science and Engineering, University of Auckland

Closing: Masami Nakagawa

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