

February Section Meeting: China and India's Ravenous Appetite for Natural Resources— Their Potential Impact on Colorado

During the 1990s, China and India were unleashed from Communist and Socialist regimes respectively. China's GDP is now growing at close to 10 percent per year and India's at 7 percent. Both are drastically increasing their use of all natural resources. Although China has large resources of its own, they are insufficient to fill the internal demand.

Because the world's mineral and mineral fuel resources are being strained to supply these exploding economies, the price of nearly every natural-resource commodity has dramatically escalated since 2001. Not only has the price of commodities increased, but the competition to simply obtain a share of these natural resources has become intense. From cement, to petroleum, to precious metals; the scramble for a piece of the worldwide pie is in a state the world has never known. As world commodities such as oil reach their peak ability to produce and begin to decline, the world travels into unknown territory.

Colorado is, and will be, significantly affected by this new world disorder. Colorado's mineral and mineral fuel industry produced \$8.5 billion in revenue in 2004 and is predicted to produce \$10 billion in 2005. Because Colorado is so rich in

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February Section Meeting

- Topic:** China and India's Ravenous Appetite for Natural Resources—
Their Potential Impact on Colorado
- Speaker:** Vince Matthews, Director
Colorado Geological Survey
- Date:** Tuesday, February 21st
- Time:** 6:00 Social Hour
6:45 Dinner
7:30 Presentation
- Location:** Golden Hotel
800 11th Avenue, Golden
- Menu:** Roasted Pork Loin with Habenero Plum Sauce, Smoked Chicken in Natural au Jus, Whipped Sweet Potatoes, Fresh Steamed Broccoli, & Green Salad. Cheesecake/Fresh Berries, Coffee, Hot Tea, Iced Tea, & Lemonade
- Cost:** Members: \$20
Non-Members: \$25
Students & Unemployed: \$10

Please RSVP by **Friday, February 17th** (early RSVPs are greatly appreciated!). Indicate your name, phone number, and number of attendees by e-mailing Tom Wellborn at rockyaiche@yahoo.com. Alternatively, you leave a voice mail for Tom at 303-933-0533.

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natural resources, the increased pressure to produce this natural wealth will probably result in increasing conflicts among various constituencies.

Vince Matthews is State Geologist and Director of the Colorado Geological Survey. Vince received Bachelors and Masters degrees in Geology from the University of Georgia and a Ph. D. from the University of California, Santa Cruz. He held tenured positions at two universities and has taught geology at the University of California, University of Northern Colorado, Arizona State University, the Frank Lloyd Wright School of Architecture, and the University of Texas of the Permian Basin.

As an executive in the natural resources industry for Amoco, Lear, Union Pacific, and Penn Virginia, Matthews explored in virtually every basin in the U.S., including Alaska and the Gulf of Mexico. Part of his experience in the natural resources industry included responsibility for coal, lime, and limestone activities in New Jersey, Virginia, and Tennessee.

After spending twenty years in the natural resources industry, he returned to academia in 1997 and then joined Colorado Geological Survey in 2000. He is the author of more than 50 technical articles and abstracts and was senior editor of the multiple, award-winning publication, Messages in Stone: Colorado's Colorful Geology.

Get Involved in Your Rocky Mountain AIChE Section

As we near the end of the 2005-2006 program year, please consider volunteering for an officer position for the next program year. We are in particular need of a volunteer for the Program Chair position for the next program year. The Program Chair, with assistance from the other officers, arranges the eight monthly section meetings from September through May. Being an officer is a great way to meet people, stay on top of new technology, practice leadership skills, and steer the future of your Rocky Mountain AIChE section. To get involved, contact Kevin Milliman at 303-804-2374.

Check out the Preliminary Program at the Spring National

What does the AIChE Spring National meeting (April 23-27) have to offer you? Here are some of the topics – check out the details online at www.aiche.org under the Conferences tab.

Topical 1: Applications of Micro-reactor Engineering (T1)
Topical 2: Ethylene Producers Conference (T2)
Topical 3: 2006 Process Plant Safety Symposium (T3)
Topical 4: Center for Chemical Process Safety (CCPS) (T4)
Topical 5: 40th Loss Prevention Symposium (T5)
Topical 6: 6th Natural Gas Utilization (T6)
Topical 7: Process Intensification (T7)
Topical 8: Distillation Topical (T8)
Topical 9: Infusing Sustainability: HSE and Business Workflows (T9)
Topical A: 9th Topical Conference on Refinery Processing (TA)
Topical B: Energy Processes (TB)
Topical C: Hydrogen (TC)
Topical D: Innovative Environmental Management Procedures (TD)
Topical E: Sustainability in Practice (TE)
Topical W: Fifth World Congress on Particle Technology (TW)

Seeking Employment

Gregory E. Kishiyama, Ph. D., is seeking employment. He has a Ph.D. in Chemical Engineering and Petroleum Refining from the Colorado School of Mines and over nine years of experience in the oil refining industry that includes seven years as a process engineer specializing in catalytic reforming and hydrodesulfurization and two years of applied research. Other experience includes five years with a small engineering consulting firm as project manager helping clients obtain environmental permitting, and experience in Process Optimization and Capital Project Development for feasibility studies of refinery expansion opportunities. Contact Gregory at (303) 346 - 1602 or at gekishiyama@earthlink.net for a complete resume.

NEW MEXICO CORNER

New Mexico members are getting active and organized. Kerrie is searching for volunteers to speak/present an engineering topic, so please contact her if you know of anyone available in the Albuquerque area. For more information about the New Mexico meetings, contact Kerrie Pratt at PrattKL@cdm.com

AIChE Meetings

2006

Apr 23-27	2006 Spring Nat'l Orlando, FL
Apr 23-27	World Congress on Particle Technology Orlando, FL
June 11-14	Process Develop. Symposium Palm Springs, CA
Sept 5-7	2nd Int'l Conf. on Bioengineering & Nanotechnology Santa Barbara, CA
Sept 10-14	Safety in Ammonia Plants Vancouver
Nov 12-17	2006 Annual Mtg. San Francisco, CA

For further information, contact
National AIChE.

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The objectives of AIChE are to advance chemical engineering in theory and practice, to maintain a high professional standard among its members, and to serve society, particularly where chemical, engineering can contribute to the public interest.

How to Place an Ad or Job Posting

Members: Free; Non-members: \$25.00 for each article

Deadline: 1st Tuesday of each month

Email your text to: lauramoes@msn.com

MEETING SCHEDULE

The Rocky Mountain District of AIChE meets the third Tuesday of every month. Please join us for our upcoming meetings.

March 21: NREL's Jim McMillan - Technology Advances in Sugars Platform Biorefining R&D

April 18: Suncor's Mike Morgan - Syncrude for Colorado Fuels

May 16: CSU's Dr. Patrick Byrne - Status of Transgenic Crops

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On the Web at:

<http://www.aiche-rm.org>

*Send your E-MAIL address to
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this newsletter electronically!*



DIRECTIONS
FROM I-70: Take
Route 58 (exit 265)
west towards
Golden. Take the
Washington Street
exit and turn left at
the stoplight. The
Golden Hotel is on
the right side at the
corner of 11th and
Washington Ave.

DIRECTIONS FROM I-25: Take US 6 west towards Golden. Turn
right onto 19th Street. Drive through one stop light, then turn left
onto Washington Avenue. The Golden Hotel is on the left side at the
corner of 11th and Washington Avenue.