



Rocky Mountain AICHE News

April 2004

Volume 13 Number 7

ALD NanoSolutions, Inc. – A University of Colorado New Entrepreneurial Venture

ALD NanoSolutions, Inc. was founded in 2001 by Professors Alan (Al) Weimer and Steve George, Dr. Karen Buechler, and Mr. P. Michael Masterson. For the past two years in a down economy, the company has been bootstrapped with minimal angel investment and funds from three Small Business Technology Transfer Phase I Awards. The company is in the process of receiving its first round of financing from an “anchor tenant” materials partner that has taken an equity position in the company as well as providing partnering support to help develop the first commercial products for which they have an exclusive option to license. This presentation will discuss the technology (nanocoated particles and polymeric substrates by Atomic Layer Deposition – ALD), the co-founding of the company as a University of Colorado (CU) spin-off, the bootstrapping through the poor economic times, the first round of financing, and the future of ALD NanoSolutions, Inc.

Alan Weimer is Professor of Chemical and Biological Engineering at the University of Colorado where he has had an appointment since 1996. Prior to joining CU, he was an Associate Research Scientist with the Dow Chemical Company (Midland, MI), where in 1995 he received the “Excellence in Science” Award for the invention, development, and commercialization of the “Rapid Carbothermal Reduction” (RCR) process for producing fine carbide powders. Most high-end tungsten carbide cutting tools used throughout the world today are fabricated from powders made by RCR. The market value of the fabricated components is estimated to be in excess of \$ 1 billion per year. Prof. Weimer is Keynote Speaker at the PARTEC2004 International Conference held March 15-18 in Nuremberg, Germany. Professor Weimer teaches the Capstone Design Course at CU and

April Section Meeting

- Speaker:** Alan W. Weimer, Professor
Dept. of Chemical & Biological
Engineering
- Topic:** ALD NanoSolutions, Inc.
- Date:** Tuesday, April 20th
- Time:** 6:00 Registration
6:30 Dinner
7:30 Presentation
8:30 Q & A
- Location:** Days Inn
5397 S. Boulder Road
Boulder
- Menu:** Chicken Barbacoa
Chips and Salsa
Spanish Rice
Strawberry Cheesecake
- Cost:** Non-Members: \$18
Members: \$15
Students & Unemployed: \$7.50

Please RSVP by **Friday, April 16th**. Indicate your name, phone number, and number of attendees by e-mailing Glenn Sprenger at Glenn.Sprenger@VECO.com. Alternatively, you may leave a voice mail for Glenn at 303-938-6642.

carries out research in the area of controlled nanoparticle surface chemistry and engineering.

AIChE Meetings

2004

Apr 25-Apr 29	2004 Spring Nat'l New Orleans, LA
May 3-6	Offshore Tech. Houston, TX
June 20-23	Process Develop. Symposium Oakbrook, IL
June 29-July 1	CCPS Annual Int'l Orlando, FL
Sept 20-23	Safety in Ammonia Plants Denver, CO
Oct 7-8	Engineering & Construction Contracting Colorado Spg, CO
Nov 7-12	2004 Annual Mtg. Austin, TX

2005

Apr 10-14	2005 Spring Nat'l Atlanta, GA
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Rocky Mountain AIChE News is published eight times a year by the Rocky Mountain section of AIChE. Opinions expressed herein are those of the authors and are not necessarily those of AIChE nor the officers of this section.

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.

CHEMICAL ENGINEERS WANTED!!

By Kerrie Pratt

I am organizing a Meet & Greet session for the American Institute of Chemical Engineers (AIChE) in Albuquerque, NM. Currently, the AIChE activities for New Mexico members are held in the Denver area; so I'm trying to bring the action a little closer to home! If you'd be interested in learning more about AIChE or would like to network with local Chemical Engineers, please join us at the Meet & Greet on April 22. AIChE membership is not required. Here's the details:

What: New Mexico AIChE Meet & Greet

When: Thursday, April 22 at 5:30 p.m.

Where: Dion's Pizza at the intersection of Paseo del Norte and Wyoming;
phone: 857-0100

Notes: Please bring your \$\$ for dinner
(prices, menu and a map may be found online at
www.dionspizza.com)

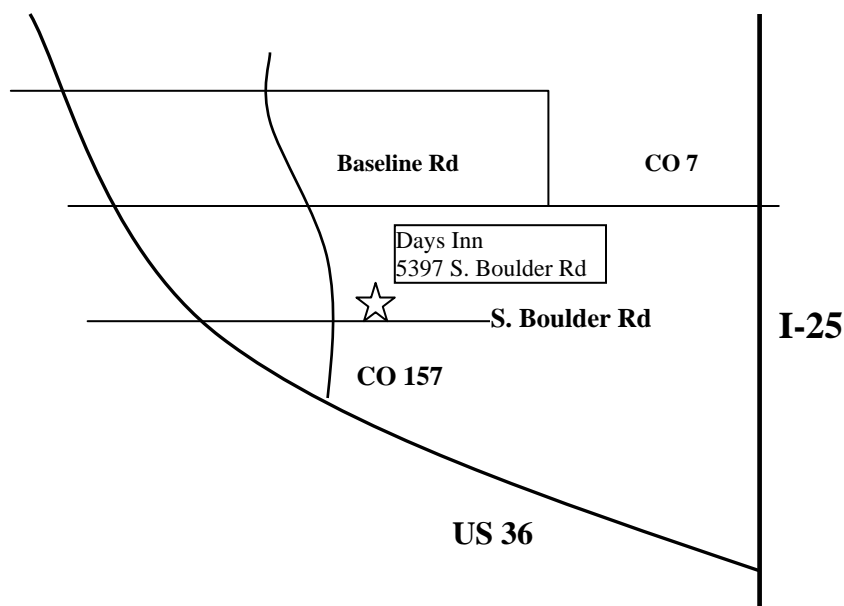
At the Meet & Greet we can discuss the possibility of local activities and meetings. Please forward this information to other AIChE members or Chemical Engineers. If you plan to attend, please RSVP to Kerrie Pratt at prattkl@cdm.com by 5 p.m. on April 21.

Rocky Mountain AIChE News
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On the Web at:

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*Send your E-MAIL address to
mmoes@ekiconsult.com to receive
this newsletter electronically!*



DIRECTIONS: From South, follow US 36 to CO 157 (Foothills Parkway). Take the CO 157 exit but stay in the right lane which leads to a light at S. Boulder Road. Turn right (east) on to S. Boulder Road. Take the next left into the Days Inn facility.

From North, follow CO 7 west to CO 157 (Foothills Parkway) and go south. Exit at South Boulder Road. Stay in the left lane. Turn left (east) on to S. Boulder Road. Go under the CO 157 overpass. Go through the next light. Turn left at the next turn into the Days Inn facility.