

The Particle Society of Minnesota Newsletter

Vol.2, No.3

September 2003

A Note from the President.

We are please to present a new series of particle science seminars that debuts this month. On Tuesday, Sept. 9, Brian Gabrio of the 3M Company will present a talk on aerosol drug delivery. This is the first talk in our Lunch Hour Speaker Series. Over the next few months, watch for notices of speakers covering a variety of particle engineering-related topics.

Also in this issue: fall semester has begun, and several departments at the University of Minnesota are offering programs of interest to particle scientists and engineers. We summarize a few of the interesting offerings, and encourage you to take advantage of these opportunities.

–Jim Marti, President of the Particle Society

You can always get up-to-date information on Particle Society activities at our web site, www.particlesociety.org. If you no longer wish to get PSM notices, please see the end of this newsletter for instructions on removing your name from our list.

In this issue

- PSM Fall Speaker Series Begins
- Particle Science related talks and symposia around town

The Particle Society of Minnesota announces its new Fall Lunch Hour Speaker series.

Over the coming months, the Particle Society will be presenting several talks on a broad range of particle science topics during the noon hour. All members of the Particle Society (*and if you're getting this notice, you are a member*) are invited to join us for lunch and an interesting particle science presentation.

The first talk of the Lunch Hour Speaker series will address aspects of particle science in the pharmaceutical field. This talk, on the application of aerosol science to drug delivery, will be given by Mr. Brian J. Gabrio, of the 3M Company's Inhalation Drug Delivery Systems Group.

Details on the talk follow:

Title: "A Technical Review of Inhalation Drug Delivery Systems"

Abstract: This talk will review current technology used for the delivery of aerosolized medications to the lung, including nebulizers, dry powder inhalers (DPIs), and pressurized metered dose inhalers (MDIs). The current art will be reviewed as well as the most recent advances in aerosol delivery systems within the pharmaceutical industry. Technological, laboratory testing, and regulatory challenges facing the industry will also be discussed.

JOIN US FOR THIS EVENT!

Date: Tuesday, September 9 (**TOMORROW!**)

Time: 11: 15 - lunch; 11:35 - talk; 60 min talk with 10 min for questions.

Registration: RSVP by e-mail to Sara Gantner at sgantner@hbpx.hosokawa.com (Registration is limited to 30 attendees.)

Cost\$10 / \$8 for students - payable at the door by cash or check ("Particle Society of MN").

Lunch is included: sandwich bar, sodas, chips, fruit, cookie.

Location H. B. Fuller Pilot Plant Training Room - 1200 Willow Lake Drive, Vadnais Heights, 55110 (NE Metro area)

Directions Take I-694 East or West to I-35E North. Proceed on I-35E North (North of I-694) to the first exit - County Rd. E. Turn Right on County Rd. E. heading east. The next stoplight should be Willow Lake Dr. (has a Holiday Inn Express Hotel on the corner). Turn Right heading S-SE. Proceed to first stop sign. Continue 1/8 more block and turn right into the first driveway (H.B. Fuller sign). Turn right at the next stop sign at a T intersection. The Pilot Plant is the blue building with the big windows.

UPCOMING PARTICLE SCIENCE TALKS AT THE UNIVERSITY OF MINNESOTA

As the new school year begins, a number of new seminars have been scheduled at various departments at the University of Minnesota. Here are some interesting ones:

1. Particle Technology Lab (Department of Mechanical Engineering)

Sep. 8, Monday, 3:30 p.m., John E. Barnes, " Bistatic Lidar using a CCD camera for Boundary Layer Aerosol Measurements"

Sep. 26, Friday, 2:30 p.m., Jung-Hyeun Kim, "Size-monodisperse copper nanoparticles

and their use for light scattering metrology"

Oct. 10, Friday, 2:30 p.m., Chris Stipe, "UV laser irradiation for particle production and measurement"

Oct. 31, Friday, 2:30 p.m., Taesung Kim, "Microcontamination control during slider fabrication process in hard disk drive manufacturing"

For location and more information: contact Xiaoliang Wang at wxl@me.umn.edu.

2. Department of Mechanical Engineering

(This one's not strictly a particle talk, but may prove of interest to those of us in smaller or start-up firms.)

Wednesday, September 10, 3:30-5:00 p.m. , "Entrepreneurs: The Good, The Bad, The Ugly"

by Douglas Johnson, Director, Center for Entrepreneurial Studies, Department of Strategic Management

Carlson School of Management, University of Minnesota

Room 3-180 EE/CSci

Coffee and cookies will be available at 3:15 p.m. before the seminar

For more information: contact Betsy A. Antinozzi at 612-625-0140