

RenoTahoePhotonics Cluster

OSA-RenoTahoeChapter and the IEEE, LEOS chapter

Happy New Year

Meeting Dates:

Feb,1st, 2007
Mar,15th,2007
Apr,19th,2007

summer break

Officers:

President
Peter Guilfoyle
peter@opticmp.com
President elect
Jutta Recktenwald
jutta@recktenwald.com
Secretary and Treasurer
Michelle Hannah
michelle@siliconquest.com
Scientific Affairs
Moncef Tayahi, Ph.D.
moncef@ee.unr.edu

Corporate Sponsorships:

\$ 250.-

Contact:

Michelle Hannah
120 Woodland Ave, Ste E
Reno, NV 89523

Corporate Sponsors:

Amain
Nanolife
Opticmp
SiliconQuest
UNR

Meeting Announcement

Speaker: **Doug Ellsworth** - Senior Vice President of Altairnano, Inc., Performance Materials Division

Previously, Mr. Ellsworth has held positions of Director of Administration and Operations Support and Vice President Sales and Marketing for Altair Nanomaterials, Inc. Prior to that Mr. Ellsworth was the Manager, Technical Support for BHP Minerals' Center for Minerals Technology in Reno, Nevada. Mr. Ellsworth began work at BHP in 1984 as the chief chemist. From 1975 to 1979 Mr. Ellsworth worked as a chemist and manager at Sykline Labs in Colorado and Alaska and as a chemist for Utah International, Inc.'s Minerals Laboratory in Sunnyvale California from 1979-1984. Mr. Ellsworth received his B.S. degree in chemistry and geology from the State University of New York College, Oneonta.

Title: **Commercialization of Nanotechnologies**

Abstract

The science of nanotechnology gives mankind the tool to create real materials for substantial advances in almost every part of our lives. These nanomaterials are atoms assembled in harmony with nature's own set of rules giving us the ability to produce such materials with beneficial new macroscopic effects. Many ways to produce functional nanomaterials at small scale have been described.

The key to the success of a profitable nanomaterials business is the ability to develop, produce, control and manufacture them cost effectively in large volume. This presentation discusses a cost effective process for making nanomaterials which is derived from the manufacture of TiO₂ pigment, using low cost raw materials in a scalable large volume production setting, supported by a creative team of material scientists and engineers. Commercializing these materials requires strong partnerships with market leaders where both parties are prepared to cross the new technology chasm together. Examples of how we plan to commercialize specific materials will be discussed.

Date: **Thursday, February, 1st, 2007**

Time: **5:30 p.m. - 6:30 p.m.**

Location: **Nanolife Inc. Conference Facility
3732 Lakeside Dr. Ste 101
Reno, NV 89509
Phone: 775-829-0455**

After session with beer and pub food at Foley's

Bring your colleagues, friends, spouses, significant others questions? Call Jutta @ 775 250 3379

Previous meeting:

The annual Christmas Party hosted by Dr. Bruch was a lot of fun, with guests from the local chapters as well as other areas of interest. A big hand for Dr. Bruch for hosting a great party and thank you again.

[For our April meeting, we are invited to preview the newest Fleischman exhibit.](#)

[Volunteer needed for our March meeting](#)

Please: print copies and post on your announcement boards, have some copies at hand to give to anyone interested in Photonics. www.renotahoe Photonics.com