

RenoTahoePhotonics Cluster

OSA-RenoTahoeChapter and the local LEOS chapter

Meeting Dates:

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

summer break

Officers:

President
Peter Guilfoyle
peter@optcomp.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 Sponsors:

\$ 250.-

Contact:

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

Corporate Sponsors:

Amain
Nanolife
Opticomp
SiliconQuest
UNR

Please join us for the 3rd presentation in this series of
Nanotechnology

Speaker: Dr. Thomas Otto

Fraunhofer Institute for Reliability and MicroIntegration (IZM), Dept. of
Multidevice Integration (MDI), Chemnitz, Germany

Title: Integrated Polymer Multimode Waveguides for Microfluidic Sensing Applications

Abstract:

The proposed talk highlights the fabrication of disposable volume-optical measurement devices in combination with micro fluidic channels and reservoirs at an affordable price. These sensors can be easily integrated into more complex polymer based Lab-on Chips to increase their functionality towards integrated volume-optical sensing. Its possible applications can be found out not only in biomedical sensing, but also in monitoring of chemical reactions in Microchambers as well as in the field of food and environmental control.

Date: Wednesday, March 14th, 2007

Time: 3:00 PM

Location: ROOM SEM-331, EBME Dept., UNR

EBME: Electrical and Bio-Medical Engineering formerly Electrical Engineering
3rd Floor in the SEM Bldg

All are invited. Refreshments will be served.

questions? Please contact either

Jutta Recktenwald at jutta@recktenwald.com phone:(775)250-3379 or

Prof.Dr.R.Bruch at bruch@physics.unr.edu phone:(775)784-4920 or

Prof. Dr. B. Rawat at rawat@ee.unr.edu phone: (775)784-1457

*We thank your last speaker, Prof. Dr. W.Fritzsche for his
great presentation and patience with all of our questions.*

Mark your calendars:

Upcoming meetings:

*March, 30th Physics Colloquium, Prof. Dr. R. Bruch, A Journey into the Nano
Cosmos*

April, 19th Fleischman Planetarium, New Optics Exhibit, Johanna Bell