

RenoTahoePhotonics Cluster

OSA-RenoTahoeChapter and the local LEOS chapter

Meeting Dates:

Feb,1st, 2007
Mar,15th,2007
Apr,26th,2007

summer break

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Please join us for the April presentation in this series on Nano Technology

Speaker: Dr. Vaidyanathan R. Subramanian

Department of Chemical & Metallurgical Engineering,
University of Nevada, Reno

Email: ravisv@unr.edu

Title: Novel Supports for Electro-Oxidation of Formic Acid

Abstract: Energy requirements for powering portable devices are increasing rapidly because of the numerous add-on features delivered by these devices. Conventional batteries cannot keep up with this energy demand. It is therefore necessary to identify alternate sources of power for these devices. Formic acid is a promising new fuel for portable devices because it offers several benefits compared to other conventional sources of power.

I will begin with a short introduction on the history of formic acid fuel cells. This will be followed by identification of the issues that concern formic acid fuel cell development. Approaches taken to improve the performance of formic acid fuel cell will be discussed. I will also talk about the development of a novel support for the electro oxidation of formic acid in my laboratory. Specifically, I will discuss the results of our recent experiments using noble metals deposited on carbon nanotubes.

Date/ Time: April 26, 2007, Thursday/4:00 PM

Location: ROOM MSS-233, Mack Social Sciences Building, UNR

All are invited. Refreshments will be served.

*questions? Please contact either
Jutta Recktenwald at jutta@recktenwald.com phone:(775)250-3379 or
Prof. Dr. B. Rawat at rawat@ee.unr.edu phone: (775)784-1457*

Upcoming meetings:

Fleischman Planetarium, New Optics Exhibit, Johanna Bell TBA