Surface and Interface Science Seminar Series

"Bombing Surfaces in Femtoseconds"

Qiying Chen

Wednesday, September 14 at 1pm in C2045
(please note the new time slot)

Femtosecond lasers, which emit laser pulses at a time scale of one millionth of a billionth of a second, have distinct merits that are favourable to materials processing, nonlinear optics, device abrication and processing. The properties of ultrafast laser pulses and their unique advantages will be introduced. I will discuss some applications on exploring interactions between the ultrafast laser pulses and materials. A brief introduction on the photonics laboratory currently under establishment at MUN will be given to promote future collaboration.

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Sept 14
Qiying Chen - photonics, ultrafast science, nanotechnology
title: "Bombing the surface in femtoseconds"

Oct 9
Kelly Hawboldt - mass transfer between interfaces/surfaces, membrane separation, and absorption
title TBA

Oct 26
Peter G. Pickup - electrocatalysis, chemically modified electrodes
title TBA

Nov 9
Rudi Meyer - three-dimensional pore structures and fluid flow anisotropy
title TBA

Nov 30
Yuri Muzychka - modeling of complex fluid dynamics and heat transfer problems
title TBA

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This seminar series is aimed at a broad audience and highlights research at MUN involving surfaces and interfaces. It is our hope that these talks will be of use to a broad spectrum of researchers who might not consider themselves surface scientists but who nonetheless do encounter interfacial effects in their work.

More information can be found on our webpage:
http://www.chem.mun.ca/surfaces/