

Jeff Cina

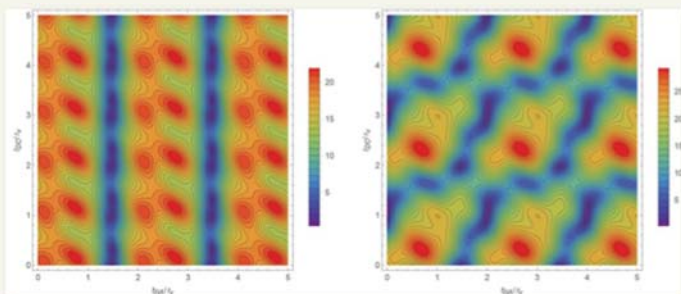
**Chemistry and Biochemistry
University of Oregon**

Monday, June 4, 2018 ~ 2:00 pm 331 Klamath Hall

"Getting started on wave-packet interferometry in energy-transfer systems"

This talk will preview the last chapter of my forthcoming textbook on time-resolved spectroscopy.

It sets up a framework for calculating femtosecond multidimensional wave-packet interferometry (WPI) signals from systems supporting electronic energy transfer (EET). Contributions to the WPI signal are expressed as quantum mechanical overlaps between wave packets that have undergone different sequences of pulse-induced or excitation transfer-driven transitions between various electronic states in a molecular dimer or a multi-chromophore complex.



Illustrative signal calculations on model EET dimers will be presented along with their interpretation in terms of the underlying wave-packet dynamics.

Refreshments served at 1:45 pm 331 Klamath Hall