

IQSE AMO QO Seminar Series

Tuesday, March 21st, 11:30 am ZOOM & IQSE
seminar room (MPHY 578)

Pizza will be served for IQSE members at 11:00 am. The talk will start around 11:30 am

Dr. Shaul Mukamel

(University of California, Irvine)

Coupled electron and nuclear dynamics in molecules revealed by femtosecond x ray and electron pulses and by twisted light

EVENT DETAILS: Novel sources of soft and hard X ray pulses open up new windows into electron and nuclear dynamics in molecules with a remarkable combination of temporal, spectral and spatial resolutions. Twisted light adds additional remarkable probes of chirality. These new techniques and their simulation protocols will be surveyed and analyzed for nonadiabatic relaxation and photoisomerization.

ABOUT THE SPEAKER: Professor Mukamel is a theoretical chemical physicist who studies molecules by measuring their response to short pulses of light. He pioneered the field of coherent ultrafast multidimensional molecular spectroscopy. Professor Mukamel is a member of the National Academy of Sciences and the American Academy of Arts and Sciences and a fellow of the Optical Society of America and the American Physical Society. Professor Mukamel's honors include the William F. Meggers Award, Optical Society of America; the Ahmed Zewail ACS Award in Ultrafast Science and Technology, American Chemical Society; the Mulliken Prize Medal, University of Chicago; and the Earle K. Plyler Prize for Molecular Spectroscopy and the Arthur L. Schawlow Prize in Laser Science, both from the American Physical Society.

ZOOM information:

<https://tamu.zoom.us/j/98156251523?pwd=QVdSdGxtL1UyY0g1L083SU5QR0QrUT09>

Meeting ID: 981 5625 1523

Passcode: 297578

One tap mobile
+13462487799,,98156251523# US (Houston)
+16694449171,,98156251523# US