“Slippery When Wet: Ultrafast Hydration Dynamics of Biointerfaces and Aqueous Polymers:

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Water is everywhere, but rarely is it a pure liquid. There is a long-standing challenge in understanding the nature of water structure and dynamics in the vicinity of solutes, ranging from small ions to macromolecules and membranes. Ultrafast two-dimensional infrared spectroscopy, coupled with vibrational probe reporters, enables a unique perspective on hydration dynamics in a wide range of complex environments. I will discuss my group’s efforts to understand hydration dynamics in systems ranging from proteins and membranes (micelles and bicelles) to aqueous polymer (polyethylene glycol and polysaccharide) solutions.

For additional information, visit his website.

Host: Professor Aaron Massari
Refreshments will be served prior to the seminar.

Visit: chem.umn.edu/chemistry-events for a schedule of upcoming seminars.