Physical Chemistry Seminar

Tuesday, November 13, 2018 | **11:00 am** | **Room 1315 Chemistry Building**

"Using nanoscale amorphous films to create and study deeply supercooled liquids"

Dr. Bruce Kay

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Physical Science Division
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Host: Prof. Mark Ediger

Molecular beam vapor deposition of molecules on cryogenic substrates is known to produce amorphous solid films. When heated above their glass transition these films transform into deeply supercooled liquids. These nanoscale liquid films can be used to study kinetic processes such as diffusion, isotope exchange, crystallization, and solvent mediated reactions in unprecedented detail. This talk will highlight our recent advances in this area with an emphasis on water and aqueous solutions.

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Refreshments will be available prior to seminar at 10:45 a.m. in the Shain Atrium

Graduate Students can meet with the speaker in Room 8305F at 1:00 pm