

"Density Functional Theory and its Semiclassical Origins"

Physical Seminar

**Wednesday, November 16, 2022
12:30-1:30p.m. BRWN 4102 and Zoom**



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Abstract:

Modern density functional theory has become a standard tool in many branches of science. I will give an overview and then focus on the first-principles derivation of density functional approximations. I will show how semiclassical derivations are leading us to far more accurate approximations (beyond chemical accuracy) than any in existence today.