



Monday, November 13
3:00 PM
1008B Digital Media Center
Louisiana State University

**Model Hamiltonians for Characterizing
Excess Electrons Interacting with
Fullerenes and Polyaromatic
Hydrocarbons**

It is well known that certain metals and graphene support Rydberg-type series of excess electron states, where the binding of the electron is due to the interaction with its image potential. Sufficiently, polarizable molecules and clusters possess very-extended non-valence anion states that can be viewed as finite system analogs to image potential states. In this talk, I discuss the development of one electron Hamiltonians for describing these excess electron species. These are generated by coupling the excess electron to a many-body polarizable force field.

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Guest Speaker
**Dr. Kenneth
Jordan**

Richard King Mellon
Professor and
Distinguished
Professor of
Computational
Chemistry

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