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## **Seminar**

# **Free-electron induced chemistry**

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Chemical reactions initiated after the resonant capture low-energy free-electrons into molecular targets are of considerable interest for various fields in chemical physics and biophysics. The central quantity in the theoretical description of such chemical reactions is the electronic potential energy surface of the electron-molecule compound. In the first half of the talk, I shall present the quantum chemical methodologies for computing the potential energy surfaces of the electron-molecule compound systems. In the second half, new reaction channels proposed for the electron-molecule compound states will be presented.

***Wednesday, August 20th 2014***

***4:00 PM (Tea/Coffee at 3:30 PM)***

***Seminar Hall, TCIS***