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## Application of MCTDH to the dynamical mean-field theory

*Wednesday 9 April 2014 10:00 (20 minutes)*

### Summary

The dynamical mean-field theory (DMFT) is a state-of-the-art method to determine the electronic structure of strongly correlated solids and molecules. My work involves applying the multiconfigurational time-dependent Hartree (MCTDH) scheme as a tensor contraction technique to the DMFT treatment of non-equilibrium electron dynamics of solids under laser pump.

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**Session Classification:** Photon Science