## Strong correlation of electrons in molecules and solids

## Garnet Kin-Lic Chan,<sup>1</sup>

<sup>1</sup>Department of Chemistry and Chemical Biology, Cornell University, USA

I will discuss our work to treat electronic structure far away from mean-field in both molecules and solids, using one or more of the following approaches: (i) generalized correlator-Pfaffian wavefunctions, (ii) density matrix renormalization group and related techniques, and (iii) density matrix embedding theory.