Conference Announcement

Mathematical and Computational Methods in Quantum Chemistry
May 13-16, 2016
Department of Chemistry
Yale University

Organizers
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In recent years, the area of mathematical and computational aspects of quantum chemistry has undertaken a rapid development. The interplay between applied mathematics and quantum chemistry is important in generating intriguing new research directions for applied mathematics, in enhancing the understanding of models from quantum chemistry, and in advancing the development of efficient algorithms. This workshop will focus on studying recent developments and open challenges in this area, and on strengthening the interactions between applied mathematician and theoretical chemists.

Goals
This workshop will bring together researchers with diverse expertise on mathematical and numerical methods in quantum chemistry. Our goal is to stimulate interdisciplinary discussions between applied mathematicians and theoretical chemists, with a particular focus on theoretical, mathematical and computational challenges from quantum chemistry. Emphasis will be placed on multiscale problems, quantum-classical coupling, mean-field equations, dimensional reduction, etc.

For more information and to apply: www.ki-net.umd.edu