



# FOMMS 2006

FOUNDATIONS OF MOLECULAR MODELING AND SIMULATION 2006

## Molecular Modeling and Simulation: Tools for Innovation

FOMMS 2006 is the third international conference showcasing the applications and theory of computational quantum chemistry, molecular science, and engineering simulation. The motivation for this conference is the continual need for precise control of product properties, the accurate prediction of physical properties, and the development of a fundamental understanding of the chemical process that allows the efficient creation of new products that meet specific marketplace demands. Theoretical and algorithmic advances along with modern computing technology routinely lead companies to capture the cash value of truly sustainable, far-reaching competitive advantage. A molecular-level understanding of these chemical processes lead to model mechanisms that are robust, pertinent, scalable, and most importantly, integratable across statistical, chemical, and engineering technologies. The future for these methods is extremely bright as they continue to prove their value to the chemical and chemical-related industries in the coming decade.

Topics of special interest include the following:

- Multiple Time Scale & Mesoscale Methods
- Advances in Modeling & Simulation
- Nanoscience & Nanotechnology
- Biological Applications
- Reaction Engineering
- Electronic Materials
- Polymeric Materials
- Future Vision

FOMMS 2006 is a scientific modeling meeting balanced between molecular simulation and computational chemistry. The format will follow the highly successful FOMMS conferences held in 2000 and 2003. All talks will be invited and will represent state-of-the-art reviews in the particular special topic areas. Two poster sessions will provide opportunities for all attendees to present their work. One afternoon will be devoted to a software/hardware demonstration session for providers to showcase their products and services. In addition, the schedule provides large blocks of time for informal discussions, relaxation, or leisure as well as several receptions to facilitate interaction between conference participants. Each presentation will be rigorously reviewed and edited.

[Overview](#)



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**FOMMS 2006**

July 9 - 14, 2006

Semiahmoo Resort

Blaine, Washington USA

*"Practical Tools for Innovation"*