



$$\frac{\partial f}{\partial t} + v \frac{\partial f}{\partial x} + \frac{F \partial f}{m \partial v} =$$

*Workshop Announcement*

**Kinetic Description of Multiscale Phenomena  
The Annual Kinetic FRG Meeting**

**September 21-25, 2009**

**Organizers: Shi Jin, Eitan Tadmor, Athanasios Tzavaras**

**CONFIRMED PARTICIPANTS**

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**A limited number of openings are available.  
Priority will be given to postdocs  
and non-tenured junior faculty.**

**To apply please RSVP at:**

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**Email: [frg0909@cscamm.umd.edu](mailto:frg0909@cscamm.umd.edu)**

**SCIENTIFIC BACKGROUND**

Kinetic descriptions play a critical role in the physical, social, and biological sciences, and have expanded into diverse applications of cutting-edge technology ranging from microfluidics, semiconductors, polymers and plasma to traffic networking and swarming. Modern kinetic theory captures fundamental issues in the modeling and simulation of phenomena across length and time scales, from the atomistic to the continuum. In the context of kinetic theory mathematical approaches help the design of numerical methods and, conversely, numerical simulations help improve the quantitative understanding of underlying complex problems.

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