

**CENTER FOR FLUID MECHANICS  
AND  
THE FLUIDS, THERMAL AND CHEMICAL PROCESSES GROUP  
OF  
THE DIVISION OF ENGINEERING  
SEMINAR SERIES**

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**Models for Apparent Slip**

A number of groups have reported microfluidic experiments consistent with liquid slip on solid surfaces. We present physical models which do not require the breakdown of the no-slip boundary condition but lead to results consistent with slip. We then propose a new method for probing slip based on the diffusion of a colloidal particle near a slip surface.

**TUESDAY, MAY 17, 2005  
Barus & Holley, Room 190  
4:00pm**