The Fluids, Thermal and Chemical Processes Group
of
The Division of Engineering
and
The Center for Fluid Mechanics
Seminar Series

Professor David Weitz
Division of Engineering and Applied Sciences
Harvard University
Cambridge, MA

The Study of Droplets, One by One, Using Microfluidic Devices

Microfluidic devices offer the possibilities of precision control over fluid flow. They are typically used to control the flow of single fluids or mixtures of miscible mixtures. However, they also offer the potential of producing more complex fluid structures. This talk will discuss the use of microfluidic devices to produce and study droplets of one fluid in a second. The droplets can be produced and studied one by one, enabling precision control over the structure and make-up of each drop, and allowing the formation of new complex fluid structures.

Tuesday, May 4, 2004
Barus & Holley, Room 190
2:00pm