

The Hebrew University of Jerusalem , Colloquium

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Levin Building, Lecture Hall No. 8

"Dynamic transitions in liquid drops"

Drops are a common feature in a wide range of natural and industrial liquid processes including for example rainfall, microfluidics, fuel injection systems, and pesticide spraying. A fluid droplet is ostensibly so simple a system that one might suppose that everything about it is thoroughly understood. On the contrary, we continually find new and surprising dynamical behaviors. I will present several examples studied in our lab that include drops that respond to light, climbing drops, and splashing from drop impact.