

# Interface Dynamics, Stability and Fragmentation

## Euromech 493

GRENOBLE, CAMPUS UNIVERSITAIRE

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Chairman:

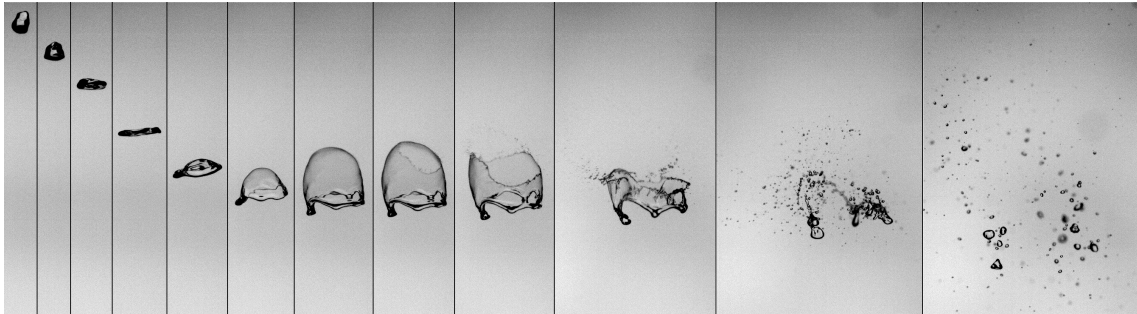
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Interfacial instabilities, breakup and fragmentation are ubiquitous in nature and industry. Examples abound in agricultural sewage, Diesel engines and liquid propellant combustion, spume formation over the ocean, volcanic eruptions and tephra, spayed paint and cosmetics, ink jet printers, microfluidic and novel devices.

The emphasis will be mainly on non-miscible, liquid-liquid or liquid-gas interfacial phenomena with surface tension. The topics to be covered range from stability analysis of inviscid, viscous and non-newtonian fluids, large deformations, self-similar shapes, singularities, to the statistical properties of the fragments sizes, considered from experiments, theory and numerics.

PLEASE REQUEST PARTICIPATION IF YOU INTEND TO CONTRIBUTE