

## **Optical rheometry: scattering (light scattering echo)**

FORTH – Vlassopoulos

C) Dynamic Light scattering under oscillatory shear (LS echo) with a home made piezoelectrically driven shear cell.

Measurements can be done in multiple scattering samples (DWS in the transmission or backscattering geometries). The shear cell (parallel plates) operates at frequencies up to 100Hz and strains up to 100%.

D) Dynamic Light scattering under oscillatory shear (LS echo) on a strain controlled rheometer (ARES, Rheometrics). Measurements can be done in multiple scattering samples (DWS in the backscattering geometry) with parallel glass plates. Temperature control through circulating fluid or Peltier cooling device.

*Scientists in charge:*

G. Petekidis,

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*Available for SoftComp Partners:* 3 months per year

*Training:* On-site 2 day training and then collaborative work under supervision.

*Access:* On collaboration bases