

K.SAKAI LAB.

[The World of liquids observed without contact]

Department of Fundamental Engineering

<http://sakailab.iis.u-tokyo.ac.jp>

Surface and Interface Physics of Liquids

Department
of Applied
Physics



Look and feel, and enjoy the liquid world!

We introduce **new** and **fantastic techniques** for investigating the characteristics of liquids with Optical, Electric or Magnetic field.

◆ EMS viscometer series

These viscometers have several amazing features!

Non-contact, Small amount of the sample, Quick operation, *etc.*

◆ Ink-Jet emission technique with glass capillary

Glass capillary is an all-around nozzle!

We can observe micro-droplets with high resolution in time and space.

◆ Liquid surface observation with optical or electric field

We can make a micro-deformation on liquid surface without touch!

The surface motion informs of the surface properties.

◆ Light scattering observation of liquid surfaces

Observation of molecular interactions with light!

◆ ReD surface tensiometer

Measurement of the surface tension from the distortion of drop in rotator!

