

Workshop on liquid systems: science and standards for delivery

The development of new micro-machining techniques has enabled the creation of devices capable of delivering liquids in a vacuum environment, with thicknesses that can vary from tens of micrometers to tens of nanometers. This advancement facilitates the investigation of liquid samples and, ultimately, dissolved molecules using photons ranging from hard X-rays to the extreme ultraviolet spectrum.

Through this workshop, organized within the framework of the LEAPS-innov work-package, we aim to bring together globally recognized instrumental scientists engaged in the development of liquid sample delivery systems and worldwide experts from diverse disciplines who share a common interest in liquids and their study. The latter group will encompass experts in fluids under extreme pressure and temperature conditions, scientists with a strong interest in various facets of molecular systems in solution, and researchers dedicated to the study of physical-chemical processes at interfaces. We will cover both theoretical and experimental aspects. The primary objective of the workshop is to foster new collaborations, made possible by advancements in liquid sample environment technology, and to gather input from potential user communities.