Welcome in Saclay at Synchrotron-Soleil.
SOLEIL is the French national center for the production and the exploitation of synchrotron radiation. This intense light has specific properties (continuous spectrum from IR to X-Rays, extreme brightness, pulsed modes…) that skyrockets non-destructive material characterization beyond the limits of conventional laboratory equipments.
The tour will start with a plenary presentation of SOLEIL introducing the platform through its history and its overall activity. Afterwards, the visit will focus on some of our 29 beamlines and laboratories with high interest for Aerospace testing and measures. This will be a unique occasion to discover some of our synchrotron techniques and to dialog with experts from a state-of-the-art light-source for materials study in Europe

The Visit Schedules

12h15 Lunch-snack at CentraleSupélec
13h15 Shuttles departure
13h30-15h30/16h Visit of the site
17h/17h30 Approx. arrival at Orly Airport

Visitors will have the occasion to discover the following laboratories:

- **HERMES**, X-ray nano-microscopy and nano-spectroscopy beamline used for bulk and surface chemical analysis,
- **DIFFABS**, X-ray beamline using a coupled approaches in diffraction and fluorescence spectroscopy,
- **ANATOMIX**, X-ray nano-micro-tomography beamline with absorption and phase contrasts for advanced non-destructive observations,
- **Surface Laboratory**, with STM microscope, vapor deposition in UHV chamber, Argon ion gun, LEED ...