

Opportunities of the Taiwan Photon Source

POUR
TOUS!

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Amphithéâtre SOLEIL

The National Synchrotron Radiation Research Center (NSRRC) in Taiwan has successfully constructed a low-emittance 3 GeV synchrotron light source, the Taiwan Photon Source (TPS). The TPS with a circumference of 518 m is composed of 24 double-bend achromatic (DBA) cells connected by six 12-m straight sections and eighteen 7-m straight sections. The natural emittance of the TPS is 1.6 nm · rad with a small dispersion in the straight sections. Figure 1 displays an aerial photograph of the NSRRC. With its high-brilliance, the construction of the TPS phase-I beamline proceeded at a speedy pace, delivering its first synchrotron light to users in 2016 for protein micro-crystallography, low-energy excitations of novel materials, spectroscopy and diffraction on the submicron or nanometer scales, scattering of coherent X-rays, and scanning nanoprobe studies that will resolve nano-scaled structures. In this talk, we will report the current TPS activities and an overview of future beamline plan.



Figure 1: An aerial photograph of the NSRRC. This photograph shows the TPS and the 24-year-old Taiwan Light Source (TLS). The TPS project came to realization after ten years of efforts. The TPS construction began in February 2010, and was completed in December 2013. The assembly of main accelerator parts was completed in 2014.



Ce séminaire sera suivi d'une pause café

Formalités d'entrée : accès libre dans l'amphi du pavillon d'Accueil.

Si la manifestation a lieu dans le Grand Amphi SOLEIL du Bâtiment Central merci de vous munir d'une pièce d'identité (à échanger à l'accueil contre un badge d'accès)

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