

ON THE COVER

The RIKEN and the Japan Synchrotron Radiation Research Institute are constructing an 8 GeV linac-based X-ray free electron laser (XFEL) facility in the SPring-8 campus. The XFEL facility is located along the 1-km-long beamline, and XFEL beams are designed to travel towards the storage ring side. Some of the XFEL beams will be guided to the experimental hall of the storage ring, which will provide unique opportunities for the studies of dynamical processes on the basis of the synergic use of XFEL and synchrotron radiation.