

ORBIT CONTROL AND IT'S STRATEGIC IN TAIWAN LIGHT SOURCE

C.H. Kuo, Synchrotron Radiation Research Center; K.H. Hu, Synchrotron Radiation Research Center; J. Chen, Synchrotron Radiation Research Center; C.S. Chen, Synchrotron Radiation Research Center; J.R. Chen, Synchrotron Radiation Research Center; K.K. Lin, Synchrotron Radiation Research Center; G.Y. Hsiung, Synchrotron Radiation Research Center; T.F. Lin, Synchrotron Radiation Research Center; K.T. Hsu, Synchrotron Radiation Research Center

The beam quality requirement is critical in the stability and repeatability in the third generation accelerator. There are various perturbations problems which are affect beam quality such as, mechanical vibration, BPM performance, control environment, local bump leakage, insertion devices gap or phase motion, dynamic helicity devices operation, utility issues,...etc. The control and suppression technique are based on orbit feedback, local feedback, and feed-forward control mechanism. The Orbit control issue is to eliminate various perturbations will be reported to this conference.