

**Performance of the TLS at SRRC**, J.R. CHENG, Y. CHENG, C.H. CHANG, K.T. HSU, C.C. KUO, W.K. LAU, Y.C. LIU, G.H. LUO, K.K. LIN, CH. WANG, SSRC, Hsinchu, Taiwan ROC; W.T. WENG, AGS Department, BNL - Three-year operation experiences of the 1.3 GeV synchrotron radiation facility at SRRC are presented. To date, two insertion devices, namely W20 and U10, are installed in the storage ring and more are currently under construction. The single bunch instabilities were measured and ring impedance was calculated. Both transverse and longitudinal coupled bunch instabilities were observed and the corresponding feedback systems have been constructed. The transverse feedback system is now routinely operated. A fast orbit feedback system is in the development stage. The lifetime is about 5 hours at 200 mA for a low coupling machine (1%) and plans to increase lifetime are proposed. At present, the machine can be operated at nominal design energy 1.3 GeV (full energy injection) and ramped down to 1.0 GeV and up to 1.44 GeV at 200 mA.