

Construction of SPring-8 Experimental Data Repository

Tuesday 4 September 2012 15:20 (1 hour)

SPring-8 experimental Data Repository system (SP8DR) has been developed to support the handling of the experimental data. High brilliant x-ray at the SPring-8 produces large quantities of data with a high data rate in a short time. It is difficult to manage experimental data conjunction with the experimental conditions without data management system. SP8DR manages a lot of experimental conditions as meta-data of experimental data for various x-ray experimental fields with same manner. SP8DR was built on the open source digital repository system, DSpace. In this presentation, we show an overview of the SP8DR and present status. An application to high-bandwidth data acquisition system for 2-dimentional detector is also discussed.

Primary author: HISANOBU, Sakai (Japan Synchrotron Radiation Research Institute)

Co-authors: OHATA, Toru (Japan Synchrotron Radiation Research Institute); FURUKAWA, Yukito (Japan Synchrotron Radiation Research Institute)

Presenter: HISANOBU, Sakai (Japan Synchrotron Radiation Research Institute)

Session Classification: Poster session

Track Classification: Data reconstruction and algorithms - Pattern recognition and imaging