

Information / Network

1. Introduction

The ICT (information communication technology) infrastructure and its services at the Harima campus of RIKEN are provided for users of SPring-8/SACLA, which is managed and operated by RSC (RIKEN SPring-8 Center) and RIKEN (as the owner of the SPring-8/SACLA facilities at Harima campus) and supported by JASRI (Japan Synchrotron Radiation Research Institute, as the registered institution for facilities use promotion for SPring-8/SACLA).

2. Work assignments for the SPring-8/SACLA mission

Joint business construction among RSC, RIKEN, and JASRI in the ICT system operations were as follows:

RSC and RIKEN

- (1) Administration of Hardware of ICT
 - Servers/storage hardware and virtual machines infrastructure
 - Wired and wireless network infrastructure
 - Control system to enter and exit a building
- (2) Administration of Software of ICT
 - Operating system, etc.
 - Middleware, etc.
 - (a) Web (Apache, CMS, etc.)
 - (b) Mail system software
 - (c) Management of virtual machines
 - (d) Management of authentication, etc.

JASRI

- (1) Information content management for users of SPring-8/SACLA
- (2) Management of user accounts for use of

SPring-8/SACLA

- (3) Security audit for spring8.or.jp domain and its IP address range

3. Work description in FY2018

In FY2018, the following operations were conducted to ensure stability of the information system services at SPring-8/SACLA and the RIKEN Harima branch.

- (1) Operations of the network infrastructure
- (2) Construction of additional network cable facilities
- (3) Construction of new email system
- (4) Provision of network services to users

4. Conclusions

By operating the ICT system in the RIKEN Harima campus, which includes the SPring-8/SACLA facilities, information systems and information environments are provided to shared facilities users, including JASRI and RIKEN members. Although the robustness of the management system is not sufficient yet, sharing of ICT systems among stakeholders such as RIKEN, RSC, JASRI, and shared facilities users will facilitate cooperation and understanding. We will make efforts to optimize the management system of ICT services and realize smooth operation of the entire information system by increasing availability, clarifying roles, and soliciting feedback from different stakeholders.

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