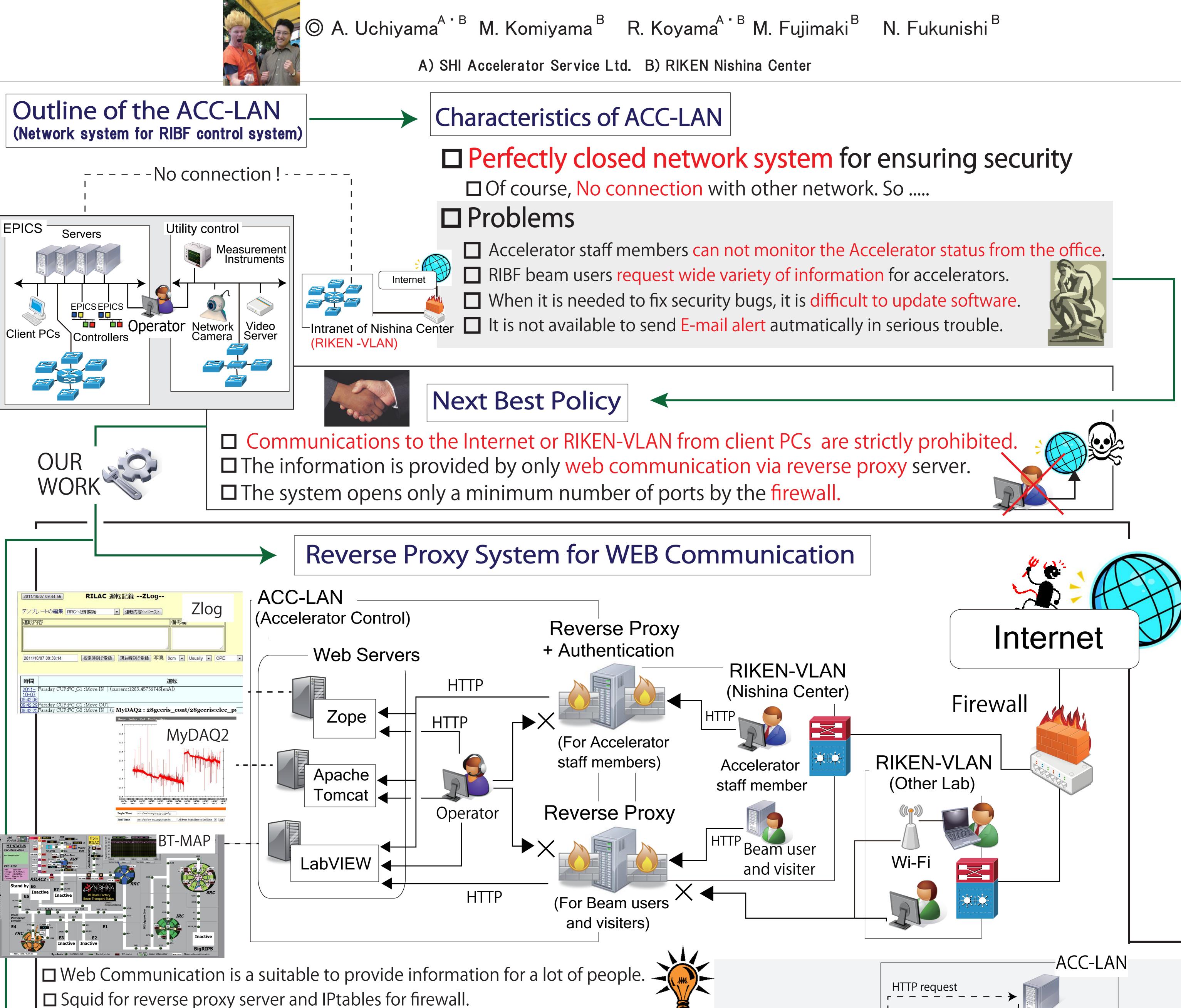








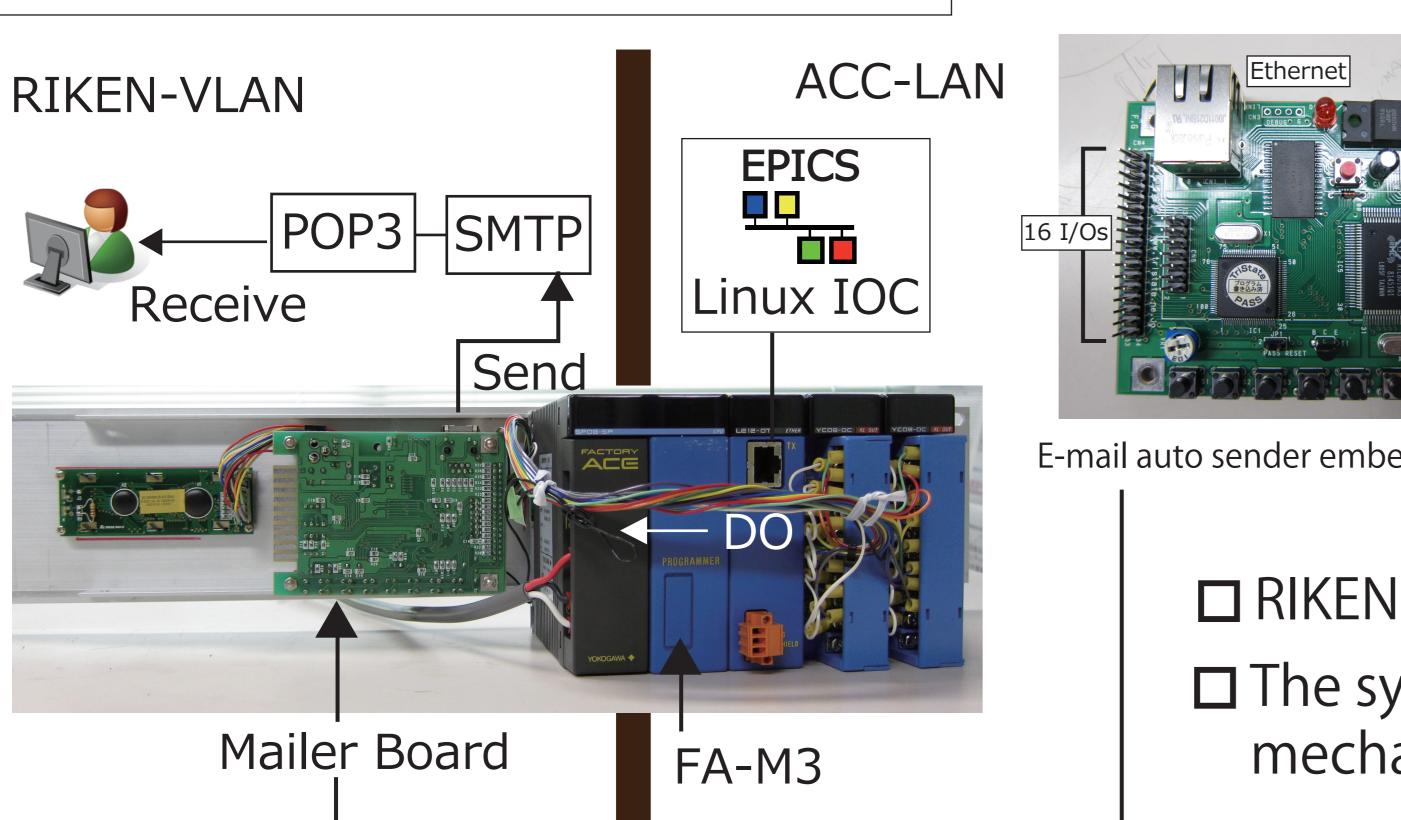
NETWORK SECURITY SYSTEM AND METHOD FOR RIBF CONTROL SYSTEM

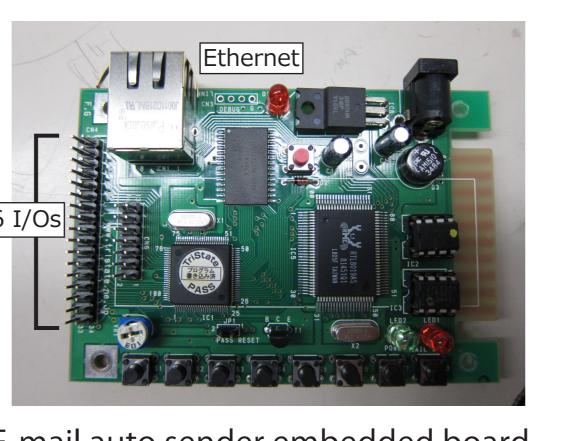


☐ Two reverse proxy servers

- For accelerator staff members with an authentication. (Single Sign-On)
- For RIBF beam users with No authentication, but access only some specific website.

E-mail Alert in closed network





E-mail auto sender embedded board

MyDAQ2 XML, HTML RIKEN-VLAN Reverse Proxy HTTP response ActiveX Video Server 'Network camera ActiveX HTTP request HTML BT MAP Office LabVIEW XML, JSON **EPICS** HTTP request

☐ PVs are converted by the framework with XML and JSON.

- We can develop EPICS clients running on the RIKEN-VLAN without channel access protocol.

- ☐ RIKEN-VLAN and ACC-LAN is separated completely.
- ☐ The system can send E-mails by using on-off control action of EPICS-based mechanical switches without a connection between the networks.

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