Subjects of Research and Development on JGN2 R&D Project

Research and Development on Advanced Networks and Application Technologies

I — **Highly Reliable Core Network Technology**

- R&D of network architecture operation support tools
- R&D of wide-area, highly reliable network access provision technologies
- R&D of methods and tools of testing and analyzing IPv6 equipment
- R&D of interoperability verification for the next generation Internet
- R&D of GMPLS network operation and management technology

Prof. Esaki
(Sub Leader of JGN2 Project)

II — **Access Network Technology**

- R&D of measurement-based adaptive routing technology
- R&D of QoS-aware and seamless resource allocation/utilization technology
- R&D of end-to-end communication control technology adaptive to diversity and variability

Prof. Oie
(Chair of JGN2 Project)

III — **Grid Technology**

- R&D of secure resource sharing technologies for base linkups
- R&D of large-scale data processing linkup technologies on wide-area networks

Prof. Shimojo
(Sub Leader of JGN2 Project)

IV — **Platform and Application Technology**

- R&D of application-oriented management platform
- R&D of surrounding computing technology
- R&D of adaptive service control utilizing advanced HCI* technology

Prof. Sone
(Sub Leader of JGN2 Project)

*HCI:Human-Computer Interraction