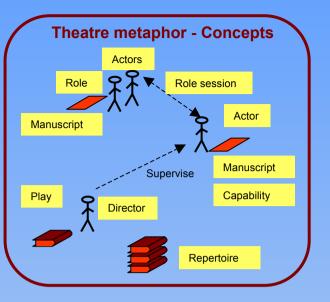
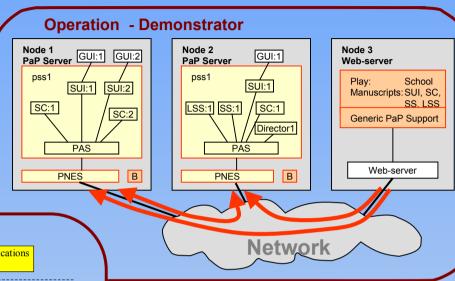
Plug and Play for Networks and Teleservices

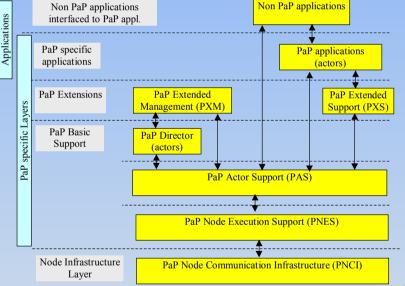


Vision

A flexible plug-and-play concept for telecommunication services and networks. The goal is to significantly simplify and speed up the tasks of installation, management, evolution and maintenance of various types of telecommunication equipment and services, maintaining dependability, QoS, ... requirements.



Pap support



Results / Achievements

- Architecture for dynamic plug and play based on the theatre metaphor;
 - Requirements, Behaviour, Dynamics
- Support system; architecture, design and implement.
 - Distribution (IP transport network)
 - Java/RMI
- Demonstration of concepts and feasibility
 - Tele-school application
 - Monitoring and debugging tools
 - Seamless service upgrades

Contact:

Professor, Dr. Techn. Bjarne E. Helvik

Department of Telematics, NTNU N-7491 Trondheim: Norway Phone: +47 73 59 2667 E-mail: bjarne@item.ntnu.no

Ongoing PaP Dr. Ing. Studies

Plug-and-Play for Telecommunication Services. To find a framework for service execution and methods for service design and composition that enables services to be constructed separately and then composed dynamically using "Plug-and-Play" techniques.

Dr. Ing. fellow: Jacqueline Floch, Advisor: Professor Rolv B. Bræk, Concludes: Spring 2002

Adaptive Fault-Tolerance in dynamic Plug-and-Play Systems. Make the dynamic PaP system fault tolerant, where the various elements are replicated and reconfigured dynamically depending on their dependability requirements and the semantics of the function.

Dr. Ing. fellow: Hein Meling, Advisor: Professor Bjarne E. Helvik, Concludes: Autumn 2002

Plug-and-Play for Wireless Components. To design and specify the needed functionality for the handling of wireless PaP components in the PaP architecture, and to validate, implement and experiment with parts of this functionality. Dr. Ing. fellow: *Mazen Malek Shiaa*, Advisor: Professor Finn Arve Aagesen, Concludes: Spring 2003





