

Goal

- Designing and realizing highly dependable control systems for various complex industrial systems.

Background

- Dependability of control systems becomes crucial.
- Dependability is an integrating concept that includes the following attributes: availability, reliability, safety, confidentiality, integrity and maintainability.

Strategy

- Enhancement of collaboration between academia and industry
- Increasing opportunities of discussions and communications among researchers
- Enhancement of public understanding of related subjects

Research Areas

- Fault Detection and Identification
- Sensor/Actuator Fault Accommodation
- Fault Tolerant Control
- Robustness for Controller Fault
- Reconfigurable Control System
- Plug and Play Process Control

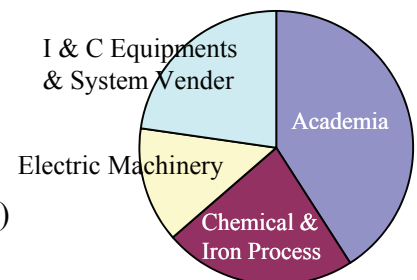
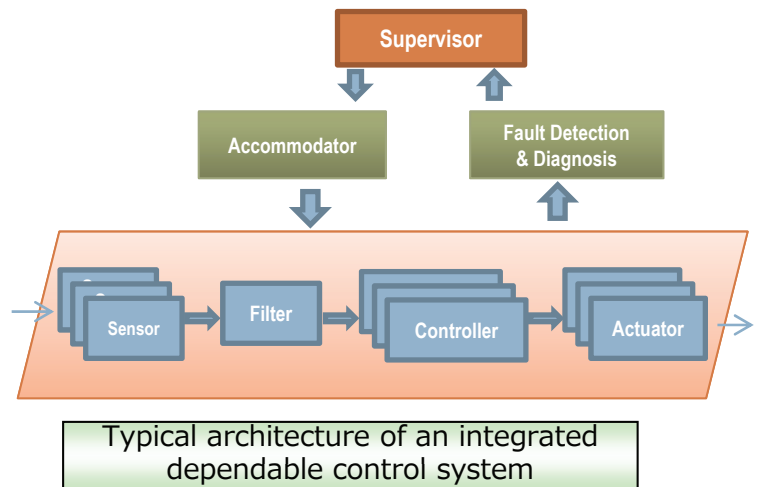
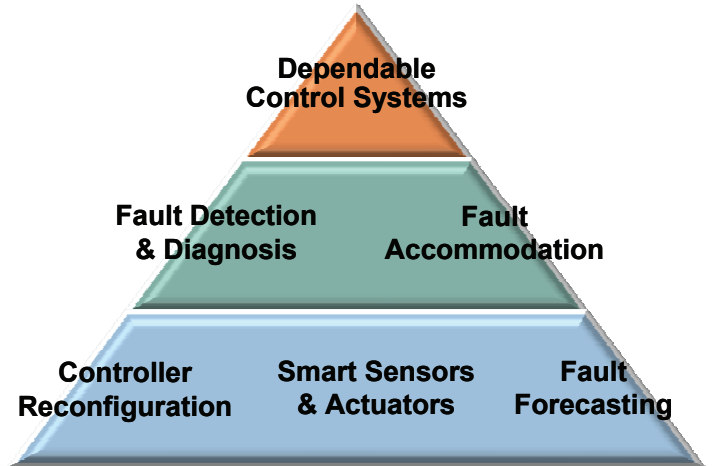
Activity Plan

- Technical meetings.
- Organized session proposals for SICE conferences.
- Tutorial Seminars.
- Collaboration with other committees and societies.
- E-mail discussions.
- Web-based knowledge sharing.

Members

Chair: Yoshiyuki Yamashita (Tokyo Univ. of Agriculture and Technology)
 yama_pse@cc.tuat.ac.jp

Co-chair: Kazuya Asano (JFE Steel Corporation)



Please visit <http://www.tuat.ac.jp/~pselab/depebdable/> for more details.