



Discover New Control Theory and Its Applications

## Control Division

# Technical Committee on Control Technology

### Goal

- Discover & learn new control theory/technology
- Industrial deployment of new control theories and techniques
- Trans-industry exchange of experiences applying advanced controls

### Background

- Global competition has been intensified in industry.
- Recent control theories is getting difficult to understand.
- The number of the participations to the society decreased.

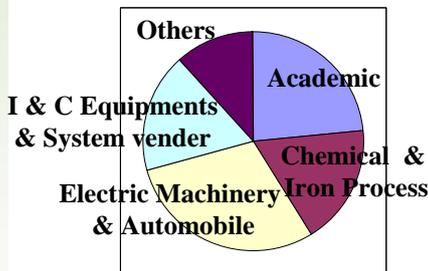
### Strategy

- Enhancement of collaboration between academia and industry
- Increasing opportunities of tutorial and educational seminars
- Establishing new study groups for industrial issues

### Activity Plan

- Technical meetings.
- Organized session proposals.
- Collaboration with other technical & resear committees.
- Cooperation to editorial board of the Journ. editorial board of the Transactions, awards nomination committees and so on.
- E-Mail discussions & questionnaire survey

### Members

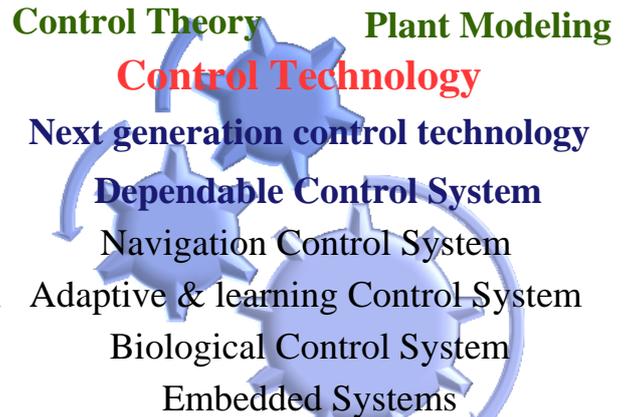


Chair: Yutaka Iino (Toshiba Co.)  
yutaka.iino@toshiba.co.jp

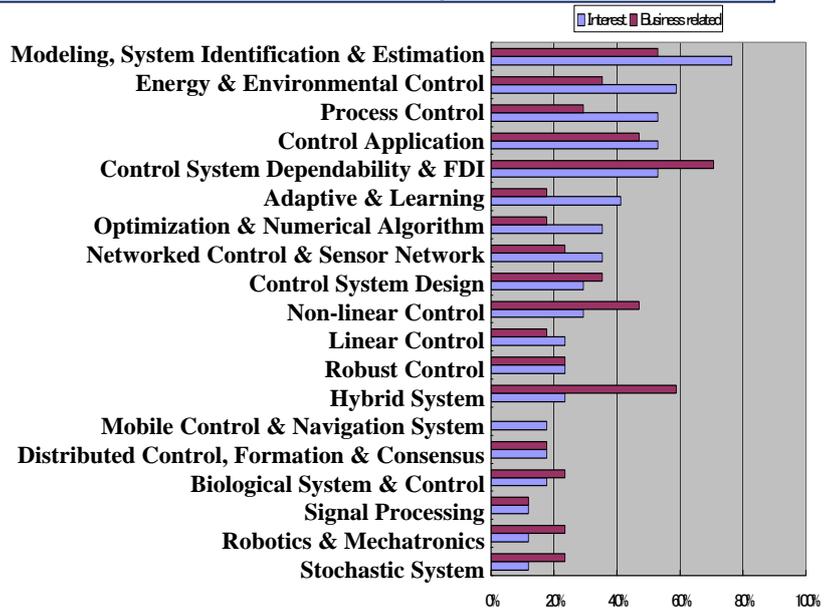
Co-chair:  
Fuyuki Hane (Tokyo Keiki Co.)

Members:  
Industrial 20 companies  
Academic 15 Universities & Labs

Collaboration with other Technical & Research Committees



### Questionnaire Survey Result 2009



### Requests and comments from members 2009

- Discussion on **future technology** development strategy (82%)
- **Wide research and survey** on useful control technology (76%)
- Wide research focused on not only Control System Design but also **Modeling, Tuning, Validation, Implementation, Maintenance, Design of Controlled objects** (76%)
- Discussion on **edge technologies** of control applications (71%)
- Share and discussion on **other domain technologies** of members current business (65%)
- Survey and discussion on other **international conferences** (65%)
- Unified discussion on **control theory and technology** (59%)
- Discussion on Control **CAD/CAE tools** (47%)
- Discussion on Control **education** (47%)
- **Spreading the domain** of control technology & theory (41%)
- Discussion on **Standardization** of control technologies (29%)
- Survey and discussion on **other region** outside of control division and SICE (18%)