Technical Committee on Instrument and Control Networks
Industrial Applications Division

Scope:
Research on technologies and standards of exchanging data and information for industrial automation systems from user’s viewpoint.

Goal:
• Improving interoperability among the existing industrial networks
• Introducing the state-of-the-art IT to industrial networks for information sharing, cyber security, etc.

Strategy:
(1) Activities based on user needs and issues of industrial network systems
(2) Research the technologies of network and information sharing
(3) Fit and gap analysis between these issues and existing technologies
(4) Conclusion and Proposal of the technical issues regarding industrial networks
(5) Opinion exchanging and Proposal regarding user's issues
(6) Study and Bench mark of state-of-the-art IT

Research Technologies and Standards

- Field Device Management
- Industrial Real-Time Ethernet
- Secure Information Sharing/Cyber Security for ICS
- Consumer electronics network
- Distributed Computing

(ICS: Industrial Control System)

Research Areas

Convener: Yoichi Takayanagi (TOSHIBA CORP.)
Vice Convener: Masatoshi Takano (TOYOTA MOTOR CORP.)
Secretary: Akio Ito (Yokogawa Electric Corp.)

Activity Plan:
OS No.45 “Technologies and Standardization for information cooperation in PA and FA”
Conference 2009 (Nov. 5-6, 2009 in Tokyo)
http://www.sice.or.jp/~ia-div/
[3] MOF (Manufacturing Open Forum)
2010 Joint plan under scheduling in Autumn, 2010
http://www.mstc.or.jp/iaf/mof2008/

TCP/IP
Power Station
Substation
Field Device
Management
Industrial Real-Time Ethernet
Distributed Computing
Consumer Electronics Network
Cyber Security for ICS
(Industrial Control System)