

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

Activity Plan:

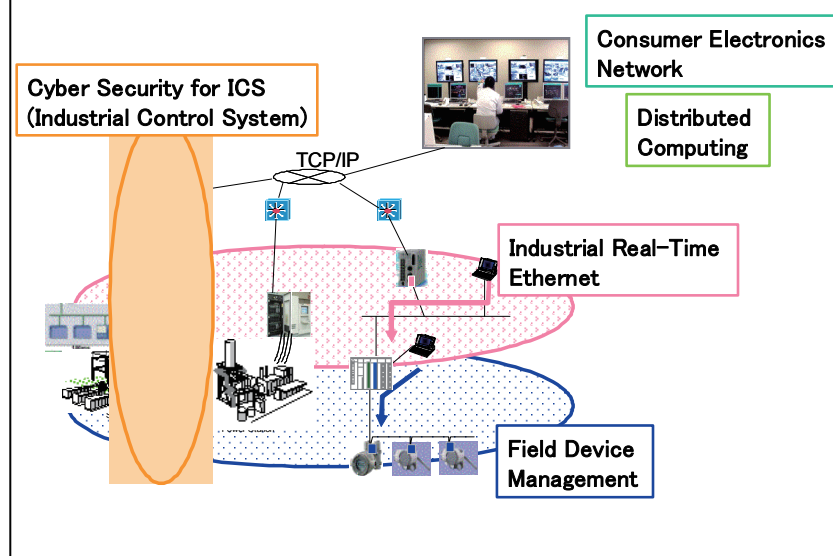
- [1] Organized Session of ICCAS-SICE 2009 (Aug. 18-21, 2009)
OS No.45 "Technologies and Standardization for information cooperation in PA and FA"
<http://www.sice.or.jp/~ia-div/>
- [2] Network Symposium planed by our committee of IA div.
Conference 2009 (Nov. 5-6, 2009 in Tokyo)
<http://www.sice.or.jp/~ia-div/>
- [3] MOF (Manufacturing Open Forum) 2010 Joint plan under scheduling in Autumn, 2010
<http://www.mstc.or.jp/iaf/mof2008/>

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.)
 : Tsutomu Yamada (Hitachi, Ltd.)
 Secretary : Akio Ito (Yokogawa Electric Corp.)