TM01

Poster Session

09:00 – 11:00 **Chair1 : Jinyoung Kim (Tongmyong Univ., Korea)**
Room : Base 2nd Floor-Zillertal **Chair2 :**

TM01-7

A Study of Secure Data Transmission on Web-Based Monitoring and Control System

Jinhei Myung(LG Co. Ltd., KOREA)

1. Introduction
2. Related Work
3. Secure Data Transmission on web-based monitoring and control System
   3.1 Requirement facts with the Security for the Secure Data Transmission
   3.2 Architecture for the Secure Data Transmission
4. Conclusions and Further Research

TM01-8

Development of Web-based Monitoring System for Welding Robots in Shipbuilding

DONG SEB YUN, JI HYUNG LEE(Hyundai Heavy Industries, KOREA)

Robots are widely used for welding automation in the shipbuilding industry. Because of the distinguishing mark of the shipbuilding, many robots conduct each other welding jobs at a point of time. The manager/operator stay in a place apart from working site for safety reason, but need to observe the progress of work and the status of robots. On this account, the monitoring system for welding robots has become essential. We developed a monitoring system by which, many people can monitor robot's status simultaneously at separated locations through the web. The monitoring system consists of Server and Client, where the server keep connection to robots and deliver client's request to robots and cli...

TM01-9

Development of Performance Model of Profibus Token Passing Protocol

Hyun Hee Kim, Kyung Chang Lee, Suk Lee(Pusan Nat'l Univ., KOREA)

- Introduction
- Token Passing Protocol : Profibus-FMS
- Performance Model of Profibus Token Passing Protocol
- Calculation of Communication Delay in Performance Model
- Summaries and Conclusions

TM01-10

A Study on the Channel Equalizer Noise of the Soft-modem with Haar Transform and Neural Network

Jeong Ha Kim, Boo Hee Nam(Kangwon Nat'l Univ., KOREA), Seok Won Lee(YounTel Co., KOREA)

1.Introduction
2.Channel Equalizer Using Adaptive Neural Network
3.Data Modulation and Demodulation Using Haar Transform
4.Binary Signal Transmission Using Haar Transform
5.Conclusion

TM01-11

QoS of Internet Telephony using Intelligent Packet Management Method

Tae-Uk Ryu, Seong-Ho Kang, Jeong-Hun Lee, Joong-Gu Lim(Dongguk Univ., KOREA), Sung-Boo Chung (Seoil College, KOREA), Ki-Hwan Eom(Dongguk Univ., KOREA)

ABSTRACT
I. Introduction
II. Internet Telephony
III. Proposed method for quality of service
IV. Simulation
V. Conclusion

TM01-12

Compensation of Networked Control Systems Using LMI-based Delay-dependent H_infinity Optimization Method

Ho-Jun Yoo, Hee-Seob Ryu(Institute for Advanced Engineering, KOREA), Oh-Kyu Kwon(Inha Univ., KOREA)

1. Introduction
2. The Netwoked Control System Description
   2.1 A close-loop system with the network induced delay
   2.2 Discretization and State Augmentation of NCS
3. Delay-dependent H_infinity Controller Design for NCS
4. Numerical Example
5. Conclusion