Special Session Proposal

Topic: Electronic Data Interchange (EDI) For Information Assurance

Data transmission between two or more computers in such a way that they can process it without human intervention, requires defining proper standards and protocols. HTTP, TCP/IP, etc. are examples of such protocols, but they deal in more generic communication channels. While sending domain-specific data requires definition of more specific standards.

Existing Standard

HL7 (Health Level Seven) is one of the EDI (Electronic Data Interchange) standards mainly used to exchange the data between healthcare service providers (Billing Companies, Hospitals, clinics, nursing homes etc.) and laboratories, pharmacies to send and receive patient's medical record (PMR) effectively without involving human intervention.

This special session aims to invite EDI for information assurance oriented cutting-edge research for real-life open systems like medical, enterprises, educational and much more. Topics for the special session given below, but not limited to:

- Electronic data interchange Tool, Grammars, Language and standards
- Applications of EDI in
    - International or cross-border trade
    - Financial EDI or electronic funds transfer (EFT)
    - Health care EDI for insurance claims processing
    - Manufacturing and retail procurement
    - Other sectors like Education, industry and customized close enterprises
- Generic EDI standards

Session Chair

Dr. Atta-ur-Rahman
Assistant Professor
College of Computer Science and Information Technology (CCSIT),
Department of Computer Science,
Imam Abdulrahman Bin Faisal University, Dammam, KSA
Email: aaurrahman@iau.edu.sa