

Cross Cutting Thread Enterprise Information Sharing



Our research in the **Enterprise Information Sharing** thread addresses technical issues in *Information Assurance* (e.g., new models of protection and trust management), *Information Management* (e.g., new ways to capture and discover information), and *Enterprise Architectures* (e.g., new ways to organize to support sharing), and *Computing and Services* (e.g., new ways to organize the task of building the application and its use over the widest range of applications). Seven projects address various aspects of the Enterprise Information Sharing challenge. A **one-hour guided tour** (starting at Thread Central at **9:30 am** and repeated at **1 pm**) provides an overall orientation of the work being done in each technical area plus in-depth presentations by four projects. Please visit the remaining projects using the map provided on the reverse.

Information Assurance

IA-03 Enterprise-Wide Security with Cryptographic Hardware Assistance

Commodity computers containing Trusted Platform Modules can be integrated with trust management protocols to facilitate secure information sharing across and between organizations.

Tour

IA-05 Controlled Information Sharing

Commercial digital rights management (DRM) technology can be adapted to meet the information-sharing requirements of flexibility, scalability, granularity, and tracking. Coupled with computers containing Trusted Platform Modules, secure information sharing can be facilitated.

Tour

IA-07 Cross-Domain Solutions: Problems, Predications and Recommendations

Balancing the Need to Protect with the Need to Share in across security domains.

Information Management

Tour

IM-01 Semantic Integration of the C2 Enterprise

A strategy to map disparate systems using context-based ontologies shows that the auto-discovery of Enterprise-wide Web Services and workflows can facilitate the glue-code to integrate those Web-services and underlying databases.

Tour

IM-04 Netcentric Data Sharing

Netcentric data sharing aims to provide data visibility, understanding, and interoperability beyond traditional stovepipes.

Enterprise Architectures

EA-02 Node Information Services – Joint Process Integration

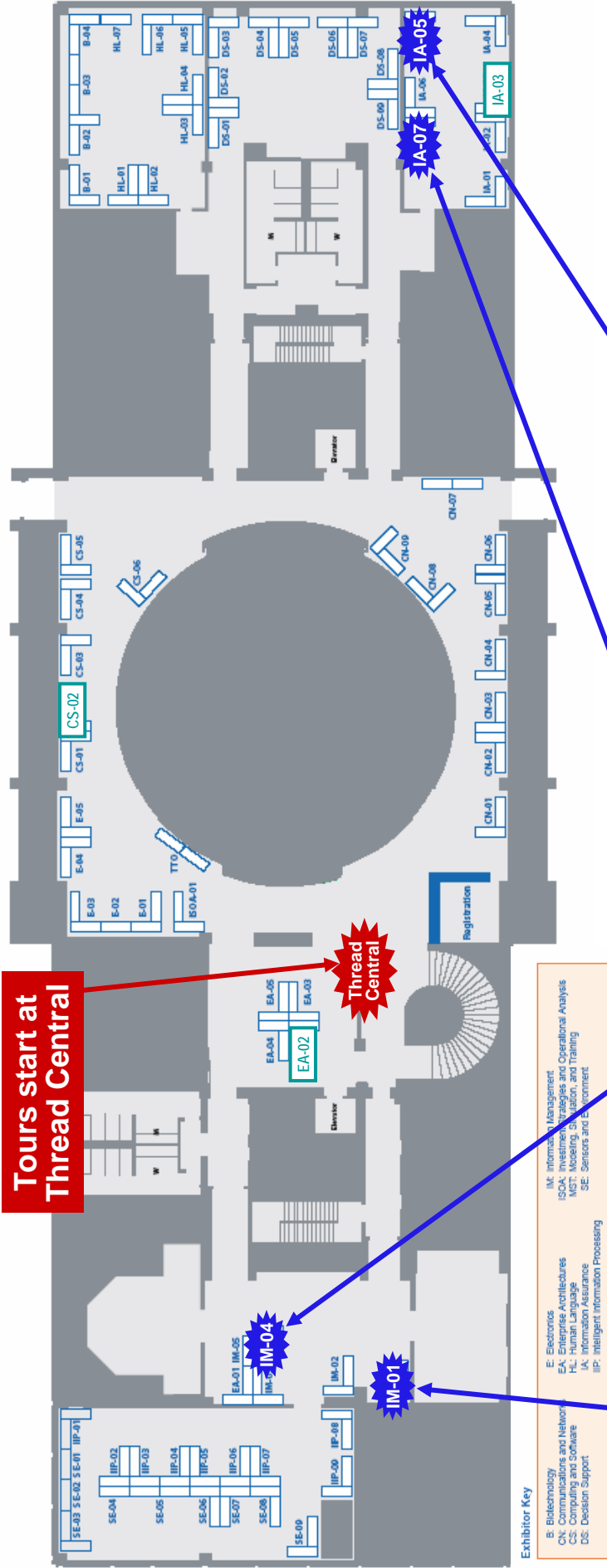
An examination of the interoperability and information sharing challenges when multiple agencies with enterprise architectures based on different architectural frameworks must function together to accomplish a mission.

Computing and Software

CS-02 Extending Enterprise Services to the “Tactical Edge”

There are technical issues involved in taking the web services based, Enterprise Services model into the “tactical edge” environment. The objective is to analyze the impact of unreliable, low bandwidth networks and computational limitations on the delivery of capabilities via Enterprise Services.

Enterprise Information Sharing



IM-01 Semantic Integration of the C2 Enterprise	IM-04 Netcentric Data Sharing	IA-07 Cross-Domain Solutions: Problems, Predications and Recommendations	IA-05 Controlled Information Sharing
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Thread Tour

Please also visit

IA-03 Enterprise-Wide Security with Cryptographic Hardware Assistance	EA-02 Node Information Services – Joint Process Integration	CS-02 Extending Enterprise Services to the “Tactical Edge”
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