
PROGRAM

(Subject to Change)

MAY 15 - 20, 2005

The Adam’s Mark Hotel
Saint Louis, Missouri, USA

In technical cooperation with the IEEE, IEEE Computer Society, and IEEE Systems, Man and Cybernetics Society

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Colette Rolland, Universite De Paris I, France
Vassil Roussev, University of New Orleans, USA
Antony Satyadas, IBM Workplace Solutions, IBM, USA
Shervin Shirmohammadi, University of Ottawa, Canada
9:00 a.m. - 5:00 p.m.  CONFERENCE REGISTRATION
Location:  Promenade Foyer

9:00 a.m. - 9:05 a.m.  Welcome
Symposium General Co-Chairs
Location:  Promenade F Ballroom

9:05 a.m. - 10:30 a.m.  CTS 2005 TUTORIAL I (T I)
Title:  Collaboration Services: Ensuring Operational Success
Speaker:  Dr. Mark T. Maybury
          The MITRE Corporation, USA
Session Chairs:  Prof. Dr. Mads Nygård
                (Norwegian Univ. of Science & Technology, Norway)
                Dr. Kirk A. Weigand
                (Air Force Research Laboratory, Ohio, USA)
Location:  Promenade F

10:30 a.m. - 10:45 a.m.  Coffee Break
Location:  Promenade E

10:45 a.m. - 12:15 a.m.  CTS 2005 TUTORIAL I (T I) – Cont.
Title:  Collaboration Services: Ensuring Operational Success
Speaker:  Dr. Mark T. Maybury
          The MITRE Corporation, USA
Session Chairs:  Prof. Dr. Mads Nygård
                (Norwegian Univ. of Science & Technology, Norway)
                Dr. Kirk A. Weigand
                (Air Force Research Laboratory, Ohio, USA)
Location:  Promenade F

12:15 a.m. - 1:30 p.m.  LUNCH (On Your Own)

1:30 p.m. - 3:00 p.m.  CTS 2005 TUTORIAL I (T I) – Cont.
Title:  Collaboration Services: Ensuring Operational Success
Speaker:  Dr. Mark T. Maybury
          The MITRE Corporation, USA
Session Chairs:  Prof. Dr. Mads Nygård
                (Norwegian Univ. of Science & Technology, Norway)
                Dr. Kirk A. Weigand
                (Air Force Research Laboratory, Ohio, USA)
Location:  Promenade F
3:00 p.m. - 3:15 p.m.  Coffee Break  
Location: Promenade E

3:15 p.m. - 5:00 p.m.  CTS 2005 TUTORIAL I (T I) – Cont.  
Title: Collaboration Services: Ensuring Operational Success  
Speaker: Dr. Mark T. Maybury  
The MITRE Corporation, USA  
Session Chairs: Prof. Dr. Mads Nygård  
(Norwegian Univ. of Science & Technology, Norway)  
Dr. Kirk A. Weigand  
(Air Force Research Laboratory, Ohio, USA)  
Location: Promenade F

5:00 p.m. -  
Sunday’s Wrap-up  
Location: Promenade F

Note: All CTS 2005 tutorials are available to attendees of CTS 2005 free of charge.
MONDAY, MAY 16, 2005

7:30 a.m. - 5:00 p.m.  CONFERENCE REGISTRATION
Location: Promenade Foyer

7:30 a.m. - 8:30 a.m.  Informal Meet & Greet - Coffee / Pastries
Monday Presenters and Session Chairs Get-together
Location: Promenade E

8:30 a.m. - 8:40 a.m.  CTS 2005 Welcome and Opening Remarks
William K. McQuay, CTS’05 General Chair
(IFSD – Air Force Research Laboratory, Ohio, USA)
Location: Promenade F Ballroom

8:40 a.m. - 10:10 a.m.  CTS 2005 Keynote Speech
Title: Collaboration Operations: Ensuring Success
Speaker: Dr. Mark T. Maybury
The MITRE Corporation, USA
Session Chair: Dr. H. Barbara Sorensen
(Air Force Research Laboratory, Arizona, USA)
Location: Promenade F Ballroom

10:10 a.m. - 10:30 a.m.  Coffee Break
Location: Promenade E

SESSION 1:

SPECIAL SESSION: MOBILE COLLABORATIVE WORK
Monday, May 16, 10:30 a.m. - 12:10 p.m.
Session Chair: Drs. Alf Inge Wang and Heri Ramampiaro
(Norwegian Univ. of Science & Technology, Norway)
Location: Promenade F Ballroom

1. Usability of a Mobile, Group Communication Prototype While Rendezvousing
Jeff Axup, Stephen Viller, and Nicola J. Bidwell
(University of Queensland and James Cook University, Australia)

2. Optimized Communication Using the SOAP Infoset for Mobile Multimedia Collaboration Applications
Sangyoon Oh, Hasan Bulut, Ahmet Uyar, Wenjun Wu, and Geoffrey Fox
(Indiana University and Syracuse University, USA)

3. Collaborative Approach for Modeling and Performing Mobile Software Process Components
Pierre F. Tiako
(Langston University in Oklahoma, USA)

4. Mobile Peer-to-Peer Technology used to Promote Spontaneous Collaboration
Alf Inge Wang, Carl-Fredrik Sorensen and Thomas Fossum
(Norwegian Univ. of Science & Technology and the Norwegian Institute for Air Research, Norway)
12:10 a.m. - 1:30 p.m.  LUNCH (On Your Own)

SESSION 2:

SECURITY AND ACCESS CONTROL IN COLLABORATION (SS)
Monday, May 16, 1:30 p.m. - 3:10 p.m.
Session Chairs:  Dr. Maurizio Panti
(Polytechnic University of Marche, Ancona, Italy)
Location:  Promenade F Ballroom

1.  Personal Data Anonymization for Security and Privacy in Collaborative Environments
   Anas Abou El Kalam, Yves Deswarte, Gilles Trouessin, Emmanuel Cordonnier
   (LIFO-ENSIB, LAAS-CNRS, Ernst&Young, and ETIAM, France)

2.  Efficient Directory Harvest Attacks
   Boldizsár Bencsáth and István Vajda
   (Budapest University of Technology and Economics, Hungary)

3.  Job-Centric Security Model for Open Collaborative Environment
   Yuri Demchenko, Leon Gommans, Cees de Laat, Bas Ouendaarde, Andrew Tokmakoff, Martin Snijders
   (Universiteit van Amsterdam and Telematica Institute, The Netherlands)

4.  NIDS Architecture for Clusters
   Fabrice Gadaud
   (LIFO Orléans and CEA/DIF, France)

3:10 p.m. - 3:30 p.m.  Coffee Break
Location:  Promenade E

SESSION 3:

SECURITY AND ACCESS CONTROL IN COLLABORATION (SS)
Monday, May 16, 3:30 p.m. - 5:10 p.m.
Session Chairs:  Dr. Boldizsár Bencsáth
(Budapest University of Technology and Economics, Hungary)
Location:  Promenade F Ballroom

1.  A Scalable Authorization Approach for Grid System Environments
   Jiageng Li
   (Department of Computer Science, University of West Georgia, USA)

2.  Model Checking the Security of Multi-Protocol Systems
   M. Panti, Luca Spalazzi, S. Tacconi and F. Pagliarecci
   (DIIIGA, Polytechnic University of Marche, Ancona, Italy)

3.  Intrusion Detection and Security Policy Framework for Distributed Environments
   Anas Abou El Kalam, Jérémy Briffaut, Christian Toinard, and Mathieu Blanc
   (LIFO-CNRS, Orleans and Commissariat à l’Energie Atomique, France)

4.  A Queue Model to Detect DDos Attacks
   Shuang Hao, Hua Song, Wenbao Jiang, and Yiqi Dai
   (Tsinghua University, Beijing, P.R. China)

5.  Building an Inter-IDS Central Analysis Platform in the Network Center of China’s Central Bank
   Zhen Zhao
   (Electrical and Computer Engineering Department, Drexel University, PA, USA) – No Presentation
SESSION 4: 5:10 p.m. – 5:40 p.m.  
CTS 2005 DEMO I

Human Collaboration Tools for Net-Centric Operations

Ty W. Hayden and Chris Ward  
(Ball Aerospace & Technologies Corp., Ohio, USA)

Session Chair: Dr. Anas Abou El Kalam  
(LIFO-CNRS, Orleans and ENSI-Bourges, France)

Location: Promenade F Ballroom

5:40 p.m. - Monday’s Wrap-up  
Location: Promenade F Ballroom

6:00 p.m. - CTS 05 Exhibitors Reception  
Sponsored by  
Ball Aerospace & Technologies Corp.  
Expand, Inc.  
FTI  
SAIC  
Location: Promenade E
7:30 a.m. - 5:00 p.m.  CONFERENCE REGISTRATION  
Location: Promenade Foyer

7:30 a.m. - 8:30 a.m.  Informal Meet & Greet - Coffee / Pastries  
Tuesday Presenters and Session Chairs Get-together  
Location: Promenade E

SESSION 5:  

COLLABORATION ENABLING TECHNOLOGIES, GROUPWARE, ARTIFACTS  
Tuesday, May 17, 8:30 a.m. - 10:10 a.m.  
Session Chairs:  Drs. Kathleen Swigger (University of North Texas, TX, USA) and Robert Biuk-Aghai (University of Macau, Macau S.A.R., China)  
Location: Promenade F Ballroom

1. Investigating the Performance of Audio/Video Service Architecture I: Single Broker  
Ahmet Uyar and Geoffrey Fox  
(Syracuse University and Indiana University, USA)

2. Investigating the Performance of Audio/Video Service Architecture II: Broker Network  
Ahmet Uyar and Geoffrey Fox  
(Syracuse University and Indiana University, USA)

3. Adapting the Electronic Laboratory Notebook for the Semantic Era  
Tara Talbott, Michael Peterson, Jens Schwidder and James Myers  
(Pacific Northwest National Laboratory, WA, USA)

4. A Multiuser Groupware Calendar System based on Agent Tools and Technology  
Alberto Grosso, Christian Vecchiola, Mauro Coccoli and Antonio Boccalatte  
(University of Genova, Italy)

10:10 a.m. - 10:30 a.m.  Coffee Break  
Location: Promenade E

10:30 a.m. - 12:00 p.m.  CTS 2005 Keynote Speech  
Title: Research and Emerging Trends in Social Computing  
Speaker: Dr. Wendy A. Kellogg  
IBM T.J. Watson Research Center, USA  
Session Chair: Dr. Nahum Gershon  
(The MITRE Corporation, VA, USA)  
Location: Promenade F Ballroom

12:00 p.m. - 1:30 p.m.  LUNCH (On Your Own)
5. Collaborative Knowledge Management in e-Meetings  
   Chia Y. Han and Jerome Eric Luczaj  
   (University of Cincinnati and the College of Mount St. Joseph, Ohio, USA)

6. AI Workflow Management in a Collaborative Environment  
   Michelle Cheatham and Michael T. Cox  
   (Information Directorate, AFRL, Ohio, USA)

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1. A Case Study of Student Software Teams Using Computer-Supported Software  
   Kathleen Swigger, Robert Brazile, Bryan Harrington, Shawn Peng and Ferda Alpaslan  
   (University of North Texas, USA and Middle East Technical University, Turkey)

   Mark A. Hoffman, Brian Kettler and Terry Padgett  
   (ISX Corporation, Marietta, GA, USA)

3:10 p.m. - 3:30 p.m.  
   Coffee Break  
   Location: Promenade E

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SESSION 7: 3:30 p.m. – 6:00 p.m.  
CTS 2005 TUTORIAL II (T2)

Global Multimedia Collaboration System

Dr. Geoffrey C. Fox  
(Pervasive Technology Laboratories, Indiana University, USA)

Session Chairs: Drs. Peter J. Kammer (Endeavors Technology Inc., California, USA) and Igor Hawryszkiewycz (University of Technology, Sydney, Australia)

Location: Promenade F Ballroom
6:00 p.m. -  
Tuesday’s Wrap-up  
Location: Promenade F Ballroom

7:00 p.m. -  
CTS 2005 BANQUET DINNER  
Location: Promenade E
7:30 a.m. - 5:00 p.m.  CONFERENCE REGISTRATION  
Location: Promenade Foyer

7:30 a.m. - 8:30 a.m.  Informal Meet & Greet - Coffee / Pastries  
Wednesday Presenters and Session Chairs Get-together  
Location: Promenade E

MULTI AGENT SYSTEMS & AGENT-BASED TECHNIQUES IN COLLABORATION  
Wednesday, May 18, 8:30 a.m. - 10:10 a.m.  
Session Chair: Mr. Gary Whitted (Ball Aerospace & Technologies, Ohio, USA)  
Location: Promenade F Ballroom

1. An Agent-Base Supply-Chain Management  
Maurizio Panti, Francesco Pagliarecci, and Luca Spalazzi  
(DIIGA, Polytechnic University of Marche, Ancona, Italy)

2. Middleware-Level Collaborative Resource Discovery for Large Clusters  
Jameela Al-Jaroodi, and Nader Mohamed  
(Stevens Institute of Technology, Hoboken, NJ, USA)

3. Path Planning for Altruistically Negotiating Processes  
Deepthi Devalarazu and Daniel W. Watson  
(Utah State University, Logan, UT, USA)

4. MASSE: Environment Supporting for Simulation and Analysis of Multiagent Systems  
Tomomi Takashina, Bi Zhenbo, Damba Ariuna, Zhi Guilan, Kazuhide Tanaka, Hiroki Sayama, and Shigeyoshi Watanabe  
(Nikon Systems Inc., and The University of Electro-Communications, Tokyo, Japan)

10:10 a.m. - 10:30 a.m.  Coffee Break  
Location: Promenade E

10:30 a.m. - 12:00 p.m.  CTS 2005 Keynote Speech  
Title: Trends in Collaborative Technologies for Supporting Knowledge Management  
Speaker: Dr. Jonathan Grudin  
Adaptive Systems and Interaction Group, Microsoft Research, USA  
Session Chair: Dr. Geoffrey Fox  
(Indiana University, Indiana, USA)  
Location: Promenade F Ballroom
12:00 p.m. – 1:45 p.m.

LUNCHEON KEYNOTE SPEECH

Storytelling, Visualization and Collaboration – Beyond Words & Images

Dr. Nahum Gershon
The MITRE Corporation
McLean, VA, USA

Session Chair: Dr. David W. Barnett
(Saint Louis University, Missouri, USA)

LOCATION: Promenade E

1:45 p.m. - 1:55 p.m.
Short Break
Location: Promenade E

SESSION 9:

COLLABORATIVE WORK PRACTICES AND SUPPORT
Wednesday, May 18, 1:55 p.m. - 3:10 p.m.
Session Chair: Dr. Ashfaq Khokhar (University of Illinois – Chicago, USA)
Location: Promenade F Ballroom

1. Achieving Groupware Flexibility Through Metamodel Mappings
   Igor Hawryszkiewycz
   (University of Technology, Sydney, Australia)

2. An Architectural Style for Supporting Work Practice: Coping with the Complex Structure of Coordination Relationships
   Peter J. Kammer and Richard N. Taylor
   (Endeavors Technology Inc. and University of California, Irvine, USA)

3. Visualization of Interactions in an Online Collaboration Environment
   Robert Biuk-Aghai
   (University of Macau, Macau S.A.R., China)

3:10 p.m. - 3:30 p.m.
Coffee Break
Location: Promenade E
3:30 p.m. – 5:00 p.m.        CTS 2005 PANEL SESSION

Conducting Business in Network Centric Collaborative Environments

MODERATOR:  Mr. Vance Saunders (Ball Aerospace & Technologies Corp., Ohio, USA)

PANELISTS:  Dr. Paul Bailor  (Lockheed Martin Integrated Systems & Solutions)
            Dr. Charles Cohen  (VP, Cybertnet Systems Corp., USA)
            Dr. Ann Miller   (University of Missouri – Rolla)
            Dr. Barbara Sorensen (Air Force Research Laboratory, USA)

Location: Promenade F Ballroom

SESSION 10: 5:00 p.m. – 5:30 p.m.        CTS 2005 DEMO II

Pegasus Gateway:  Cyberspace Collaboration

Drs. Kyoung-Yun Kim, Yan Wang, Bart O. Nnaji, and Mr. David Manley
(US NSF I/UCRC for e-Design, University of Pittsburgh, USA)

Session Chair:  Dr. Tomas Vitvar (National University of Ireland, Galway, Ireland)
Location:  Promenade F Ballroom

5:30 p.m. -  Wednesday’s Wrap-up
Location: Promenade F Ballroom
7:30 a.m. - 5:00 p.m.  CONFERENCE REGISTRATION  
Location: Promenade Foyer

7:30 a.m. - 8:30 a.m.  Informal Meet & Greet - Coffee / Pastries  
Thursday Presenters and Session Chairs Get-together  
Location: Promenade E

COLLABORATIVE NETWORKING INFRASTRUCTURE (SS)  
Thursday, May 19, 8:30 a.m. - 9:20 a.m.  
Session Chair: Dr. Hillol Kargupta (AGNIK, LLC, Maryland, USA)  
Location: Promenade F Ballroom

1. Multicast Support for Collaborative Networking  
Lori A. Flynn and Hans-Peter Dommel  
(Bell Laboratories - Lucent Technologies and Santa Clara University, USA)

2. Network Lag Mitigation Methods in Collaborative Distributed Simulations  
Shervin Shirmohammadi, Nancy Ho Woo and Sara Alavi  
(University of Ottawa, Canada)

MODELING, SIMULATION AND PROTOTYPING FOR COLLABORATIVE ENVIRONMENTS  
Thursday, May 19, 9:20 a.m. - 10:10 a.m.  
Session Chair: Mr. Scott S.F. Tse (SplashNote Systems, Inc., California, USA)  
Location: Promenade F Ballroom

1. Ontology-based Virtual Assembly Model for Collaborative Virtual Prototyping and Simulation  
Kyoung-Yun Kim, David G. Manley, Hyungeeong Yang, and Bart O. Nhaji  
(Department of Industrial Engineering and NSF Center for e-Design, University of Pittsburgh, USA)

2. Virtual Environment for On-Campus Orientation  
Robert Larmore, Matthew Knaus, Sergiu Dascalu and F.C. Harris, Jr.  
(University of Nevada, Reno, Nevada, USA)

10:10 a.m. - 10:30 a.m.  Coffee Break  
Location: Promenade E

10:30 a.m. - 12:00 p.m.  CTS 2005 Keynote Speech  
Title: Collaborative Interaction and Responsive Environments - Sensors that Enable Individuals and Instrument Multitudes  
Speaker: Dr. Joseph A. Paradiso  
MIT Media Laboratory, Cambridge, MA, USA  
Session Chair: Dr. Jonathan Grudin (Microsoft Research, WA, USA)  
Location: Promenade F Ballroom
12:00 p.m. - 1:30 p.m.  LUNCH (On Your Own)

SESSION 13:

WEB INFRASTRUCTURE AND SERVICES FOR COLLABORATIVE APPLICATIONS AND PLATFORMS
Thursday, May 19, 1:30 p.m. - 3:10 p.m.
Session Chair: Dr. Tomomi Takashina (Nikon Systems Inc., Tokyo, Japan)
Location: Promenade F Ballroom

1. RikWik: An Extensible XML Based Wiki
   Richard Mason and Paul Roe
   (Queensland University of Technology, Brisbane, Australia)

2. Developing an Open Knowledge Discovery Support System for a Network Environment
   Claudia Diamantini, Domenico Potena and Maurizio Panti
   (Università Politecnica delle Marche, Ancona, Italy)

3. On a Collaborative Commerce Framework and Architecture for the Next Generation Commerce
   Seung-yun Kim and Waleed W. Smari
   (University of Dayton, Ohio, USA)

   Tomas Vitvar
   (National University of Ireland, Galway, Ireland)

3:10 p.m. - 3:30 p.m.  Coffee Break
Location: Promenade E

SESSION 14:

MOBILE AND WIRELESS COLLABORATIVE SYSTEMS
Thursday, May 19, 3:30 p.m. - 5:10 p.m.
Session Chair: Dr. Sergiu Dascalu (University of Nevada, Reno, Nevada, USA)
Location: Promenade F Ballroom

1. A Clustering Prediction Scheme for Wireless Cellular Network
   John Tsiligaridis and Raj Acharya
   (Heritage University, Washington, USA)

2. Experiments on Mobile Context-Aware Instant Messaging
   Mikko Perttunen, Jukka Riekki, Kirsi Koskinen and Marika Tähti
   (University of Oulu, Oulu, Finland)

3. Visualizing Handheld-Based Classroom Activity
   Deborah Tatar, Sirong Lin and Margaret Dickey
   (Center for Human-Computer Interaction, Virginia Tech, Virginia, USA)

   Mike Matthews, Robert Hohne, and Shawn Orban
   (Air Force Research Laboratory and Ball Aerospace & Technologies Corp., Ohio, USA)
SESSION 15: 5:10 p.m. – 5:40 p.m. CTS 2005 DEMO III

Composing Executable Architectures from Legacy Simulations

Dr. John Woodring
(Expand, Inc., Florida, USA)

Session Chair: Dr. John Tsiligaridis (Heritage University, Washington, USA)
Location: Promenade F Ballroom

5:40 p.m. - Thursday’s Wrap-up
Location: Promenade F Ballroom
7:30 a.m. - 5:00 p.m.  
**CONFERENCE REGISTRATION**  
**Location:** Promenade Foyer

7:30 a.m. - 8:30 a.m.  
**Informal Meet & Greet - Coffee / Pastries**  
**Friday Presenters and Session Chairs Get-together**  
**Location:** Promenade E

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**COLLABORATIVE ROBOTS AND AUTONOMOUS VEHICLES (SS)**  
Friday, May 20, 8:30 a.m. - 10:10 a.m.  
**Session Chairs:** Dr. Kuo-Chi Lin (University of Central Florida, Orlando, FL, USA) and Mr. Louis Chan (IFSD - Air Force Research Lab, Ohio, USA)  
**Location:** Promenade F Ballroom

1. **An Extended Time Horizon Search Technique for Cooperative Unmanned Vehicles to Locate Mobile RF Targets**  
   Daniel J. Pack and George W.P. York  
   (United States Air Force Academy, Colorado, USA)

2. **Resource Allocation Strategies for a Multi Sensor Surveillance**  
   K. Madhava Krishna and Henry Hexmoor  
   (Indian Institute of Information Technology, India and University of Arkansas, USA)

3. **Fuzzy Petri Net for UAV Decision Making**  
   Martin C. Lundell, Jingpeng Tang, and Kendall Nygard  
   (University of Minnesota – Crookston and North Dakota State University, USA)

4. **New Trajectory Generation Methods for Nonholonomic Mobile Robots**  
   Wenjie Dong and Yi Guo  
   (University of Central Florida, Florida, USA)

10:10 a.m. - 10:30 a.m.  
**Coffee Break**  
**Location:** Promenade E

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**COLLABORATIVE ROBOTS AND AUTONOMOUS VEHICLES (SS)**  
Friday, May 20, 10:30 a.m. - 11:20 a.m.  
**Session Chairs:** Dr. Kuo-Chi Lin (University of Central Florida, Orlando, FL, USA) and Mr. Louis Chan (IFSD - Air Force Research Lab, Ohio, USA)  
**Location:** Promenade F Ballroom

5. **Using Genetic Algorithms to Evolve the Control Rules of a Swarm of UAVs**  
   Jaime Soto and Kuo-Chi Lin  
   (University of Central Florida, Florida, USA)

6. **Constrained Search for a Moving Target**  
   Don A. Grundel  
   (AFRL/MNGN, Eglin Air Force Base, Florida, USA)
COLLABORATION FUNDAMENTALS AND FRAMEWORKS
Friday, May 20, 11:20 a.m. - 12:10 p.m.
Session Chair: Dr. Henry Hexmoor (University of Arkansas, USA)
Location: Promenade F Ballroom

1. The Essential Ingredients of Collaboration
   Roy Soliman, Robin Braun and Simeon Simoff
   (University of Technology, Sydney, Australia)

2. Self-Service Collaboration Applications: A New Paradigm in the Development and Deployment of Collaborative Environments
   Scott S.F. Tse, Gene Moore and Sangeeta Narang
   (SplashNote Systems, Inc., Santa Clara, California, USA)

12:10 p.m. - 1:30 p.m. LUNCH (On Your Own)

COLLABORATIVE DECISION MAKING, MODELING, AND SUPPORT
Friday, May 20, 1:30 p.m. - 3:10 p.m.
Session Chair: Dr. John Woodring (Expand, Inc., Florida, USA)
Location: Promenade F Ballroom

1. A Collaborative Distributed Privacy-Sensitive Decision Support System for Monitoring Heterogeneous Data Sources
   Hillol Kargupta, Kakali Sarkar, Dipti Aswath and William D. Handy
   (AGNIK, LLC, Columbia, Maryland, USA)

2. The JavaRank Decision Support Tool and the Benefits and Challenges of Converting an Existing Desktop Application into a Distributed Collaborative Tool
   Tim Cox and Jerome Reaper
   (Science Applications International Corp., Ohio, USA)

3. Advanced Collaborative Technologies Supporting the 21st Century Warfighter in a Network Centric Environment
   Gary A. Whitted and Mary E. Just
   (Ball Aerospace & Technologies, Corp. and the Air Force Research Laboratory, Ohio, USA)

   David Green, Jerome Reaper, Bradley Dunaway and Joel Dallaire
   (Science Applications International Corp., Ohio, USA)

CTS 2005 CONCLUSIONS AND FINAL REMARKS
Friday, May 20, 3:10 p.m. - 3:20 p.m.
Session Chairs: CTS Organizers
Location: Promenade F Ballroom
**IMPORTANT NOTES:**

Presentations are scheduled for a maximum time of **25 minutes**, including Q&A.

Presentations can be in electronic (Power Point) or overhead transparencies formats.

There will be a laptop and an LCD available for all presenters in the conference room as well as overhead projector.

All presenters are requested to upload their presentations upon arrival at the Registration Desk. There will be a laptop available for this purpose. Please have your presentation file named using session no. and paper code (S-xx, C-yyy). You may bring your file on a CD or a USB flash stick.

On each conference day, presenters and sessions chairs on that day are invited to **Speaker Breakfast** between 7:30-8:30 am. Please use this opportunity to meet each other and clarify/resolve any issues that you may have in preparation for the session. We hope that all sessions and presentations will go very smoothly.

**Floor Plan:**