

**The 2008 International Symposium on  
Collaborative Technologies and Systems  
(CTS 2008)**



**PROGRAM**

**MAY 19 - 23, 2008**

**The Hyatt Regency Irvine Hotel  
Irvine, California, USA**

**(SUBJECT TO CHANGE)**

# The 2008 International Symposium on Collaborative Technologies and Systems (CTS 2008)

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Kirk Weigand, Air Force Research Laboratory, Ohio, USA  
Gary A. Whitted, Ball Aerospace & Technology Corp., Ohio, USA  
Chunyang Ye, The Hong Kong Univ. of Science and Technology, Hong Kong, China

## **Workshop on Collaboration and Security (COLSEC'08)**

Organizers: Dr. Patrice Clemente and Dr. Jean-François Lalande  
Laboratoire d'Informatique Fondamentale d'Orléans (LIFO)  
ENSI-Bourges, France

COLSEC'08 Technical Program Committee:

TPC Chair: Prof. Christian Toinard, Laboratoire d'Informatique Fondamentale d'Orléans (LIFO),  
ENSI-Bourges, France

Julien Bourgeois, Université de Franche-Comté, France

Jorge R. Cuellar, Siemens AG Corporate Technology, Germany

Nora Cuppens, ENST Bretagne, France

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Eric Dubois, Centre d'Innovation par les Technologies de l'Information, CRP Henri Tudor, Luxembourg

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Jean-Bernard Fischer, Nagra, France

Vincent Glaume, CEA, France

Claude Godart, INRIA Lorraine, France

Hervé Guyennet, LIFC, France

Fabien Laguillaumie, University of Caen, France

Volkmar Lotz, SAP, France  
Vincent Louis, France Telecom R&D, France  
Philippe Mathieu, University of Lille, France  
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Michael Rusinowitch, INRIA Lorraine, France  
Luca Spalazzi, Universita' Politecnica delle Marche, Italy  
Pascal Urien, ENST, France

### **International Workshop on Collaborative Games (CoGames 2008)**

Organizers: Dr. Alf Inge Wang, Dr. Heri Ramampiaro and Dr. Harald Øverby  
Department of Computer and Information Science (IDI)  
Norwegian University of Science and Technology (NTNU), Trondheim, NORWAY

CoGames'08 Technical Program Committee:

Louise Barkhuus, University of California, San Diego, USA  
Sergiu Dascalu, University of Nevada, Reno, USA  
Abdulmotaleb El Saddik, University of Ottawa, Ottawa, Canada  
Eelke Folmer, University of Nevada, Reno, USA  
Andre Furtado, Federal University of Pernambuco, Recife, Brazil  
Phil Grant, Swansea University, Swansea, UK  
Kalle Jegers, Umeå University, Umeå, Sweden  
Gerd Kortuem, Lancaster University, Lancaster, UK  
Ling Liu, Georgia Institute of Technology, Atlanta, USA  
Tony Mannien, University of Oulu, Oulu, Finland  
Anders Nordby, Hedmark University College, Hamar, Norway  
Mads Nygård, Norwegian University of Science and Technology, Trondheim, Norway  
Markku Oivo, University of Oulu, Oulu, Finland  
Pierre Tiako, Langston University, Oklahoma, USA

### **Workshop on E-Transactions Systems (ETS'08)**

Organizers: Dr. Marc Pasquet and Dr. Christophe Rosenberger  
GREYC Laboratory, ENSICAEN - Université de Caen - CNRS  
Caen, FRANCE

ETS'08 Technical Program Committee:

Jean-pierre Camelot, Economic and social council, France  
Sylvie Cieply, University of Caen, France  
Sylvie Gerbaix, University of Montpellier 2, France  
Heikki Huomo, Innovision Group, Finland  
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Liisa Kanninen, Mobey Forum, Finland  
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Stéphane Petit, Orange Laboratory, France  
Waleed W. Smari, University of Dayton, USA  
Tuomo Tuikka, VTT Technical Research Centre, Finland

## **International Workshop on Distributed Collaborative Sensors Networks (DCSN 08)**

Organizers: Prof. Hervé Guyennet and Dr. Violeta Felea  
LIFC - CNRS, 16 Route de Gray, 25030 Besançon, France

DCSN 08 Technical Program Committee:

Jiannong Cao, Hong Kong Polytechnic University, Hong Kong  
Huah Yong Chan, University Sains, Malaysia  
Patrice Clemente, ENSI Bourges, France  
Dan Grigoraş, University College Cork, Ireland  
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Vladimir Oleshchuk, Agder University College, Norway  
Thierry Villemur, LAAS, Toulouse, France

## **Workshop on Role-Based Collaboration (RBC 2008)**

Organizer: Dr. Haibin Zhu, Nipissing University, North Bay, Ontario, Canada

RBC 08 Technical Program Committee:

Gail-Joon Ahn, UNC Charlotte, USA  
Kenneth Astley, Loughborough University, UK  
Giacomo Cabri, Università di Modena e Reggio Emilia, Italy  
James O. Coplien, Nordija A/S, Kgs. Lyngby, Denmark  
Luca Ferrari, Università di Modena e Reggio Emilia, Italy  
Bill Gruver, Intelligent Robotics Corp., Canada  
Keith Harrison-Broninski, Role Modellers Ltd, UK  
Ming Hou, Defense Research and Development Canada, Canada  
Zhiqiu Huang, Nanjing University of Aeronautics and Astronautics, China  
Stephan Herrmann, Technical University Berlin, Germany  
Kiran K. Garimella, Software AG, USA  
Xueqing Li, Shandong University, China  
Qi Luo, Wuhan Institute of Technology, China  
James Odell, James Odell Associates, USA  
Shinksuke Tamura, Fukui University, Japan  
Murray Turoff, New Jersey Institute of Technology, USA  
Yan Xiao, University of Maryland, USA  
Bin Xu, Zhejiang Gongshang University, China  
Yu Zhang, Trinity University, USA  
MengChu Zhou, New Jersey Institute of Technology, USA

## **Workshop on Sociology of Science and Knowledge: Collaboration, Decision Support Systems, Decision-Making, and Systems Engineering (SoSaK 08)**

Organizers: Dr. Keith W. Jones, Mr. Larry Jenkins, Mr. Jeffry Ramsey, and Mr. Dale Patrick  
Aeronautical Systems Center, WPAFB, Ohio, USA

SoSaK'08 Technical Program Committee:

Darnell Diggs, Material Laboratory, Air Force Research Laboratory, Ohio  
Sandra K. Johnson, The IBM Company, Research Triangle, NC, USA  
Dale E. Kristof, Aeronautical Systems Center, Wright-Patterson AFB, Ohio, USA

Edmund Moore, Aeronautical Systems Division, Air Force Research Laboratory, Ohio  
Stanley Rogers, Sensors Directorate, Air Force Research Laboratory, Ohio  
I. Leon Turner, Rockwell Collins, Inc., Cedar Rapids, IA, USA

### **Workshop on Collaborative Distributed Knowledge Discovery (CDKD 2008)**

Organizers: Dr. Claudia Diamantini, Università Politecnica delle Marche, Ancona, ITALY  
Dr. Donato Malerba, Università degli Studi di Bari, Bari, ITALY

CDKD'08 Technical Program Committee:

Jie Bao, Iowa State University, USA  
Doina Caragea, Kansas State University, USA  
Michelangelo Ceci, Università degli Studi di Bari, Italy  
Vasant Honavar, Iowa State University, USA  
Alipio Jorge, University of Porto, Portugal  
Hillol Kargupta, University of Maryland Baltimore County, USA  
Dunja Mladenic, J. Stefan Institute, Slovenia  
Domenico Potena, Università Politecnica delle Marche, Italy  
Justin Zhan, Carnegie Mellon University, USA

### **Special Session on Visualization and Collaboration (VisCollab 08)**

Organizer: Dr. Timothy M. Jacobs  
Stanfield Systems, Inc., Folsom, California, USA

VisCollab'08 Technical Program Committee:

Jim Agutter, Applied Medical Visualizations, USA  
Stuart Kurkowski, Air Force Institute of Technology, Ohio, USA  
Kwan-Liu Ma, University of California - Davis, USA

### **Special Session on Collaborative Robots and Human - Robot Interaction (CR-HRI 08)**

Organizers: Dr. Kuo-Chi "Kurt" Lin, Institute for Simulation and Training, University of Central Florida  
Dr. Jessie Chen, Army Research Laboratory- Human Research & Engineering Directorate  
Mr. Louis Chan, Integrated Demonstrations and Applications Laboratory,  
Sensors Directorate, Air Force Research Laboratory

CR-HRI'08 Technical Program Committee:

Michael Barnes, U.S. Army Research Laboratory, USA  
Jorge Dias, Universidade de Coimbra, Portugal  
Ruediger Dillmann, Universität Karlsruhe (TH), Germany  
Brian Goldiez, University of Central Florida, USA  
Eric Hendricks, U.S. Navy SPAWAR, USA  
Gordon Lee, San Diego State University, USA  
Jun Peng, Central South University, China  
Antonio Bandera Rubio, Universidad de Malaga, Spain  
Randy Shumaker, University of Central Florida, USA  
Cristina Urdiales Garcia, Universidad de Malaga, Spain  
Jingang Yi, San Diego State University, USA  
Changjiu Zhou, Singapore Polytechnic, Singapore

### **Special Session on Collaborative Trusted Sensing (TS 2008)**

Organizer: Mr. Michael L. Zywiec, Science Applications International Corporation, Beavercreek, Ohio, USA

TS'08 Technical Program Committee:

Michelle Cheatham, AFRL, WPAFB, Ohio, USA

John Erickson, AFRL, WPAFB, Ohio, USA

Bill McQuay, AFRL, WPAFB, Ohio, USA

### **Special Session on Collaborative Networking for Agriculture and Applications (AgriCollab 2008)**

Organizers: Dr. Junaid A. Zubairi and Dr. Attiya Akram  
State University of New York at Fredonia, USA and University of Arid Agriculture,  
Rawalpindi, Pakistan

AgriCollab'08 Technical Program Committee:

Mohiuddin Ahmed, IIUM, Malaysia

Omer Mahmoud, IIUM, Malaysia

Syed Misbahuddin, UoH, Saudi Arabia

Sohail A. Sattar, NED University of Engineering, Pakistan

Imran Tasadduq, FAST-National University of Computer & Emerging Sciences, Pakistan

### **Special Session on Web 2.0 and Collaboration Grids**

Organizer: Dr. Geoffrey Fox  
Community Grids Laboratory, Indiana University, USA

### **Special Session on Executable Architectures**

Organizer: Dr. Perakath Benjamin  
Knowledge Based Systems, Inc., College Station, Texas, USA

### **CTS 2008 ADDITIONAL REVIEWERS:**

James Agutter, University of Utah, Salt Lake City, Utah, USA

Sam Boykin, Frontier Technology, Inc., USA

Christophe Giraud, University of Nice Sophia-Antipolis, France

Stuart Kurkowski, Air Force Institute of Technology, USA

Nader Muhamed, United Arab Emirates University, Al Ain, UAE

Domenico Potena, Università Politecnica delle Marche, Ancona, Italy

**MONDAY, MAY 19, 2008**

- 9:00 a.m. - 5:00 p.m.      **CONFERENCE REGISTRATION**  
Location: **Pre-function Area**
- 9:30 a.m. - 9:40 a.m.      **Welcome**  
**Symposium General Co-Chairs**  
Location: **Salon A**
- 9:40 a.m. - 11:00 a.m.      **CTS 2008 TUTORIAL I (T I)**  
Title: **Roles-Based Collaboration**  
Speaker: **Dr. Haibin Zhu**  
Nipissing University, Canada  
Session Chair: **Mr. Kenny Littlejohn**  
(Air Force Research Laboratory, USA)  
Location: **Salon A**
- 11:00 a.m. - 11:15 a.m.      **Break with Snacks**  
Location: **Saddleback/Saddleback Terrace**
- 11:15 a.m. - 12:15 p.m.      **CTS 2008 TUTORIAL I (T I) – Cont.**  
Title: **Roles-Based Collaboration**  
Speaker: **Dr. Haibin Zhu**  
Nipissing University, Canada  
Session Chair: **Mr. Kenny Littlejohn**  
(Air Force Research Laboratory, USA)  
Location: **Salon A**
- 12:15 p.m. - 1:30 p.m.      **LUNCH (On Your Own)**
- 1:30 p.m. - 3:30 p.m.      **CTS 2008 TUTORIAL II (T II)**  
Title: **Web 2.0, Grids and Cyberinfrastructure / e-Infrastructure**  
Speakers: **Dr. Geoffrey Charles Fox**  
Community Grids Laboratory  
Indiana University, USA  
Session Chair: **Mr. Michael Nowak**  
(Air Force Research Laboratory, WPAFB, Ohio, USA)  
Location: **Salon A**

- 3:30 p.m. - 3:45 p.m.      **Break with Snacks**  
Location: **Saddleback/Saddleback Terrace**
- 3:45 p.m. - 5:45 p.m.      **CTS 2008 TUTORIAL III (T III)**  
   **Title: Computer-Supported Cooperative Work: Concepts and Tools**  
   **Speakers: Dr. Tom Gross**  
   **Chair of the CSCW and Vice Rector**  
   **Bauhaus University-Weimar, Germany**  
**Session Chair: Dr. Sylvie Gerbaix**  
   (Ecole Polytechnique Universitaire, CREGOR - Université  
   Montpellier II, Montpellier, France)  
   **Location: Salon A**
- 5:45 p.m. -                      **Monday's Wrap-up**  
   **Location: Salon A**
- 6:30 p.m. -                      **Social Event I**  
   **Location: Irvine Spectrum (Shopping, Dining, Entertainment)**

**Note:** All CTS 2008 tutorials are available to attendees of CTS 2008 free of charge.

Papers in the program with \* are nominated by the Awards Committee for the CTS 2008 Best Paper Award. The winner will be announced at the conference.

- 7:45 a.m. - 5:00 p.m.                      **CONFERENCE REGISTRATION**  
Location: **Pre-function Area**
- 7:45 a.m. - 8:30 a.m.                      **Informal Meet & Greet - Coffee / Pastries**  
**Tuesday Presenters and Session Chairs Get-together**  
Location: **Saddleback**
- 8:30 a.m. - 8:40 a.m.                      **CTS 2008 Welcome and Opening Remarks**  
**William K. McQuay**, CTS'08 General Co-Chair  
(RYT – Air Force Research Laboratory, Ohio, USA)  
Location: **Salon A**
- 8:40 a.m. - 10:10 a.m.                      **CTS 2008 Tuesday Keynote Speech**  
Title: **What is Real? Signals of Truth and Identity in Fashion, Networks & Faces**  
Speaker: **Prof. Judith Donath**  
MIT Media Laboratory,  
Cambridge, Massachusetts, USA  
Session Chair: **Prof. Geoffrey C. Fox**  
(Indiana University, Bloomington, Indiana, USA)  
Location: **Salon A**
- 10:10 a.m. - 10:30 a.m.                      **Break with Snacks**  
Location: **Saddleback/Saddleback Terrace**

**SESSION 1A:**

**WORKSHOP ON DISTRIBUTED COLLABORATIVE SENSORS NETWORKS (DCSN'08)**  
**SENSORS NETWORKS ARCHITECTURES**

Tuesday, May 20, 10:30 a.m. - 12:10 p.m.  
Session Chairs: **Herve Guyennet and Violeta Felea**  
(LIFC, University of Franche-Comte, Besançon, France)  
Location: **Salon A**

1. **Bridging the Gap Between Pervasive Devices and Global Networks**  
Dirk Henrici, Patric de Waha, Paul Müller  
(University of Kaiserslautern, Germany)
2. **PBS: A Virtual Grid Architecture for Information Gradient-based Active Querying in Sensor Network**  
Jabed Faruque, Ahmed Helmy  
(University of Southern California, Los Angeles, California & University of Florida Gainesville, Florida, USA)
3. **A Novel Cluster-based Self-organization Algorithm for Wireless Sensor Networks**  
Mohamed Lehsaini, Hervé Guyennet and Mohammed Feham  
(University Abou Bekr Belkaid, Alger, Algeria & LIFC- University of Franche-Comté, France)
4. **A Service Based Architecture for a Sensors Data Integrating System to Support Emergency Management**  
Enrico Tosti, Waleed W. Smari  
(Universita' Politecnica delle Marche, Ancona, Italy and University of Dayton, Ohio, USA)

**SESSION 1B:**

**WORKSHOP ON E-TRANSACTIONS SYSTEMS (ETS 2008)**

Tuesday, May 20, 10:30 a.m. - 12:10 p.m.

Session Chairs: **Marc Pasquet and Christophe Rosenberger**  
(GREYC Laboratory, Université de Caen, France)

Location: **Salon B**

- 1. An e-Banking Platform for Collaborative Works between Training, Industry and Research**  
Marc Pasquet, Vincent Alimi, Sylvain Vernois, Christophe Rosenberger  
(Laboratoire GREYC, ENSICAEN, France)
- 2. Secure e-Payment Protocol With New Involved Entities**  
Mildrey Carbonell, Joaquín Torres, José María Sierra, Jesús Tellez, Diego Suárez Touceda  
(University of Carlos III of Madrid, Spain)
- \*3. Single Sign-On to the Web With an EMV Card**  
David J. Boyd  
(Royal Holloway, University of London, Surrey, United Kingdom)
- 4. Secure Payment with NFC Mobile Phone in the SmartTouch Project**  
Marc Pasquet, Joan Reynaud, Christophe Rosenberger  
(Laboratoire GREYC, ENSICAEN – Université de CAEN, France)

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

**SESSION 2A:**

**WORKSHOP ON DISTRIBUTED COLLABORATIVE SENSORS NETWORKS (DCSN'08)**

**SENSORS NETWORKS APPLICATIONS**

Tuesday, May 20, 1:30 p.m. - 3:10 p.m.

Session Chairs: **Herve Guyennet and Violeta Felea**  
(LIFC, University of Franche-Comte, Besançon, France)

Location: **Salon A**

- 1. A Collaborative Sensor Grids Framework**  
Geoffrey Fox, Alex Ho, Rui Wang, Edward Chu, and Isaac Kwan  
(Anabas Inc. and Indiana University, Bloomington, Indiana, USA)
- 2. A System Architecture For Collaborative Environmental Modeling Research**  
Philip Sallis, Subana Shanmuganathan, Leopoldo Pavesi and Mary Carmen Jarur Muñoz  
(Auckland University of Technology, New Zealand, and Universidad Catolica del Maule, Chile)
- 3. Intelligent Parking Lot Application Using Wireless Sensor Networks**  
Sangwon Lee, Dukhee Yoon, Amitabha Ghosh  
(University of Southern California, Los Angeles, California, USA)
- 4. Energy-Efficient WSN Infrastructure**  
Kamal Beydoun, Violeta Felea, Herve Guyennet  
(LIFC-University of Franche-Comte, Besançon, France)

**SESSION 2B:**

**INTELLIGENT AND AUTONOMOUS AGENTS IN COLLABORATION**

Tuesday, May 20, 1:30 p.m. - 2:20 p.m.

Session Chair: **Dr. Jameela Al-Jaroodi**

(United Arab Emirates University, Al Ain, United Arab Emirates)

Location: **Salon B**

**1. Formal Specification of Agent-Object Oriented Programs**

Francesco Pagliarecci, Luca Spalazzi, Mark-Oliver Stehr, Carolyn L. Talcott  
(DIIGA - Università Politecnica delle Marche, Ancona, Italy and SRI International, California, USA)

**2. Collaborative Resource Discovery in Pervasive Computing Environments**

Jameela Al-Jaroodi, Ahlam Kharhash, Amal Al-Dhahiri, Asma Shamisi, Aysha Dhaheeri, Fatima AlQayed  
and Sheikha Dhaheeri  
(United Arab Emirates University, Al Ain, United Arab Emirates)

**SESSION 3B:**

**WORKSHOP ON AGRICULTURE AND COLLABORATION**

Tuesday, May 20, 2:20 p.m. - 3:10 p.m.

Session Chair: **Mr. Steve Hoberty**

(Air Force research Laboratory, WPAFB, USA)

Location: **Salon B**

**1. Visualizing the Role of Traditional and Cyber Extension in Agricultural Development in India**

Prakish N. Kalla  
(Rajasthan Agricultural University, Bikaner, Jaipur, India)

**2. Architecture for Extending Agrikiosk Services to Mobile Phones**

Attiya Akram, M. Afzal, and Junaid Zubairi  
(University of Arid Agriculture Rawalpindi; Khan Institute of Computer Sciences & Information  
Technology, Pakistan; State University of New York at Fredonia, New York, USA)

**3:10 p.m. - 3:30 p.m.**

**Break with Snacks**

Location: **Saddleback/Saddleback Terrace**

**SESSION 4A:**

**SPECIAL SESSION ON COLLABORATIVE TRUSTED SENSING**

Tuesday, May 20, 3:30 p.m. - 5:35 p.m.

Session Chair: **Michael L. Zywiec**

(Science Applications International Corporation, Ohio, USA)

Location: **Salon A**

**1. Layered Sensing to Enhance Situational Awareness**

Michael Nowak  
(Air Force Research Laboratory, WPAFB, Ohio, USA)

**\*2. An Approach for Developing Networked Sensors Architectures**

Jerome Reaper and David Green  
(SAIC, Fairborn, Ohio, USA)

**3. Investigating Concepts for Determining Complex Sensing System Trustworthiness**

Brian Beebe, Jeremy Hendrix, and Tom Broadstock  
(SAIC, Fairborn, Ohio, USA)

**4. XTM Collaborative Argumentation-based Trust Assessment for Layered Sensing Environments**

Dan Schiavone, Eric Loomis, Jim McCracken  
(The Design Knowledge Company, Fairborn, Ohio, USA)

**5. Dynamic Orchestration of the Sensor Web (DOSW)**

David Bridges and Shervin Mostashfi  
(Peerless Technologies Corporation, Fairborn, Ohio, USA)

**SESSION 4B:**

**SPECIAL SESSION ON COLLABORATIVE APPLICATIONS**

Tuesday, May 20, 3:30 p.m. - 5:35 p.m.

Session Chairs: **Nick Frankle and Alex Ho** (Frontier Technology, Inc., Santa Barbara, and Anabas, Inc., San Francisco, California, USA)

**Location: Salon B**

**1. Geospatial Collaboration: Advances, Challenges & Future Developments**

Christopher W. Wolfe, David P. Russell, Mathew Corridoni, Raymond Shady  
(LPA Systems, Inc., Fairport, New York, USA)

**2. A Standards-Based Approach to Distributed Air Traffic Management Simulation**

Patricia Liguori, Glenn Roberts  
(The MITRE Corporation, New Jersey, USA)

**3. Fuselets and Collaboration for Warfighter Decision Superiority**

Danny Chen, Pete Haglich  
(Lockheed Martin Advanced Technology Laboratories, Westlake Village, California, USA)

**4. Leveraging the Command and Control Resource Management System to Enhance Collaboration within the Air Operations Center**

Craig McFarland, Basil Jos  
(SRA International Inc., Ohio, and AFRL, Rome, New York, USA)

**5. Modeling and Simulation in Collaborative Environment- The Modeling and Simulation Studio**

Orlin Petrov, Rafiah Kashmiri  
(Expand Incorporated, Jacksonville, Florida, USA)

**SESSION 5: 5:35 p.m. – 6:10 p.m.**

**CTS 2008 DEMO I**

**Anytime, Anywhere Collaboration on Mobile Phones**

**Du Li, Umesh Chandra and Lu Luo**

**(Nokia Research Center, Palo Alto, California, USA)**

**Session Chair: Dr. Brian Kettler**

(Lockheed Martin Advanced Technology Labs, Arlington, Virginia, USA)

**Location: Salon A**

**6:10 p.m. - Tuesday's Wrap-up**  
**Location: Salon A**

**7:00 p.m. - CTS 2008 Exhibitors Reception and Posters Session**  
**Sponsored by (Partial)**

**Ball Aerospace & Technologies Corp.**  
**SAIC**  
**The Design Knowledge Company**

**EXHIBITORS: (Partial)**

**Anabas, Inc. and Pervasive Computing Labs, Indiana University, USA**  
**Ball Aerospace & Technologies Corp.**  
**Iformata Communications, Ohio, USA**  
**Visual Collaboration Technologies, Inc.**

**Reception Hosts: Isaac Hogue**  
(Iformata Communications, Ohio, USA)

**Eric Loomis**  
(The Design Knowledge Company, Fairborn, Ohio, USA)

**Gary Whitted**  
(Ball Aerospace & Technologies Corp., Ohio, USA)

**Location: Saddleback and Saddleback Terrace**

**POSTERS (Partial)**

- 1. Can Game-Based Intelligent Tutoring Systems Teach Complex Tasks? The Search and Rescue Game Environment**  
Jeff Craighead, University of South Florida, Tampa, Florida, USA
- 2. XML Topic Maps Collaborative Argumentation Toolkit (XCAT)**  
Eric Loomis, The Design Knowledge Company (TDKC), Ohio, USA
- 3. A Web-Based Mobile Collaboration System**  
Du Li, Umesh Chandra and Lu Luo, Nokia Research Center, Palo Alto, California, USA
- 4. A Tool for Role-Based Chatting**  
Haibin Zhu and Rob Alkins, Nipissing University, Ontario, Canada
- 5. A Visualized Tool Of Role Transfer**  
Haibin Zhu, Matthew Grenier, Rob Alkins, Jeffery Lacarte and Jordon Hoskins, Nipissing University, Ontario, Canada
- 6. Effects Planning and Course of Action Tools**  
Chetan Desai, ProLogic, Inc., Fairmont, West Virginia, USA

- 7. An Architecture for a Sensors Data Integrating System for Emergency Management Support**  
Waleed W. Smari and Enrico Tosti, University of Dayton, Ohio, USA and Universita' Politecnica delle Marche, Ancona, Italy
- 8. SAIC Welcomes You**  
Brian Beebe, SAIC, Ohio, USA
- 9. SAIC: From Science to Solutions**  
Brian Beebe, SAIC, Ohio, USA
- 10. SD-Link**  
Brian Beebe, SAIC, Ohio, USA
- 11. AFRL Knowledge Repository (AKR) Lite**  
Brian Beebe, SAIC, Ohio, USA
- 12. Network Modeling and Simulation Research**  
Brian Beebe, SAIC, Ohio, USA
- 13. Network and Data Link Modeling**  
Brian Beebe, SAIC, Ohio, USA

7:45 a.m. - 5:00 p.m.

**CONFERENCE REGISTRATION**

Location: **Pre-function Area**

7:45 a.m. - 8:30 a.m.

**Informal Meet & Greet - Coffee / Pastries**

**Wednesday Presenters and Session Chairs Get-together**

Location: **Saddleback**

**SESSION 6A:**

**SPECIAL SESSION ON VISUALIZATION AND COLLABORATION**

Wednesday, May 21, 8:30 a.m. - 10:10 a.m.

Session Chairs: **Timothy M. Jacobs**  
(Stanfield Systems, Inc., Folsom, California, USA)

Location: **Salon A**

**1. Social-Aware Collaborative Visualization for Large Scientific Projects**

Kwan-Liu Ma, Chaoli Wang  
(University of California, Davis, California, USA)

**\*2. Collaboration As a Second Thought**

Mark Hereld, Mike Papka, Thomas Uram  
(Argonne National Laboratory, Illinois, USA)

**3. Collaborative Visualization Spaces for Petascale Simulations**

Scott Klasky, Mladen Vouk, Manish Parashar, Ayla Kahn, Norbert Podhorszki, Roselyne Barreto,  
Deborah Silver, Steve Parker  
(Oak Ridge National Laboratory, North Carolina State University, Rutgers University, University of Utah,  
USA)

**4. Web Enabled Collaborative Climate Visualization in Earth System Grid**

Wesley Kendall, Markus Glatter, Jian Huang, Forrest Hoffmann, David Bernholdt  
(University of Tennessee, Knoxville and Oak Ridge National Laboratory, USA)

**SESSION 6B:**

**WORKSHOP ON COLLABORATIVE GAMES (CoGames 2008)**

Wednesday, May 21, 8:30 a.m. - 10:10 a.m.

Session Chairs: **Alf Inge Wang, Heri Ramampiaro, and Harald Øverby**  
(Norwegian University of Science and Technology (NTNU), Norway)

Location: **Salon B**

**1. Transhulance: a Platform on a Mobile Ad Hoc Network Challenging Collaborative Gaming**

Isabelle Demeure, Annie Gentés, Julien Stuyck, Aude Guyot-Mbodji, Ludovic Martin  
(Institut TELECOM - TELECOM ParisTech – CNRS; 3IE and Thales Communications, France)

**2. Collaborative Game Environments for Informal Science Education: DinoQuest and DinoQuest Online**

Walt Scacchi, Robert Nideffer, Joe Adams  
(Game Culture and Technology Laboratory, University of California-Irvine, and Discovery Science Center,  
Santa Ana, California, USA)

**3. Issues Related to Mobile Multiplayer Real-time Games over Wireless Networks**

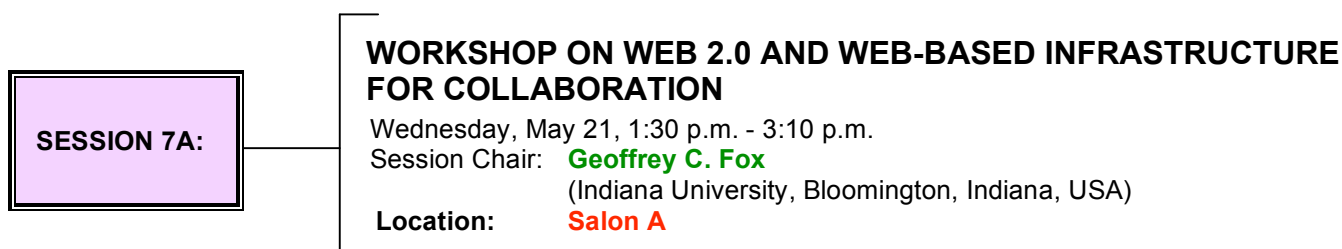
Alf Inge Wang, Eivind Sorteberg, Martin Jarrett and Anne Marte Hjemås  
(Norwegian University of Science and Technology, Trondheim, and Telenor Research & Innovation, Norway)

4. **Distributed, Game-Based, Intelligent Tutoring Systems - The Next Step In Computer Based Training?**  
Jeff Craighead  
(University of South Florida, Tampa, Florida, USA)

10:10 a.m. - 10:30 a.m.    **Break with Snacks**  
Location: **Saddleback/Saddleback Terrace**

10:30 a.m. - 12:00 p.m.    **CTS 2008 Wednesday Keynote Speech**  
Title: **National Culture, Collaboration, & Collaborative Systems**  
Speaker: **Prof. Pamela Hinds**  
Management Science and Engineering  
Stanford University, California, USA  
Session Chair: **Prof. Philip Sallis**  
(Auckland University of Technology, New Zealand)  
Location: **Salon A**

12:00 p.m. - 1:30 p.m.    **LUNCH** (On Your Own)



1. **Social Networking for Scientists Using Tagging and Shared Bookmarks: A Web 2.0 Application**  
Marlon E. Pierce, Geoffrey C. Fox, Joshua Rosen, Siddharth Maini, and Jong Y. Choi  
(Community Grids Laboratory, Indiana University, Bloomington, Indiana, USA)
2. **Hybrid Consistency Framework for Distributed Annotation Records in a Collaborative Environment**  
Ahmet F Mustacoglu, Geoffrey C. Fox  
(Community Grids Laboratory, Indiana University, Bloomington, Indiana, USA)
3. **Net-centric Collaboration and Situational Awareness with an Advanced User-Defined Operational Picture (UDOP)**  
Jeremy Loomis, Rob Porter, Audie Hittle, Chetan Desai, Russ White  
(ProLogic Inc., Fairmont, West Virginia, USA)
- \*4. **Concurrency Awareness in a P2P Wiki System**  
Sawsan Alshattnawi, G r me Canals, Pascal Molli  
(Nancy - Universit , LORIA/INRIA Lorraine, Vandoeuvre-l s-Nancy, France)

**SESSION 7B:**

**KNOWLEDGE MANAGEMENT, SHARING AND DISCOVERY IN COLLABORATION**

Wednesday, May 21, 1:30 p.m. - 3:10 p.m.

Session Chair: **Claudia Diamantini**

(Università Politecnica delle Marche, Ancona, Italy)

Location: **Salon B**

**1. Putting Knowledge in Context to Facilitate Collaboration**

Brian Kettler, Jim Starz, Rachel Hingst, Jason Losco, and Mark Hoffman  
(Lockheed Martin Advanced Technology Labs, Arlington, Virginia, USA)

**2. Designing Business Activities To Facilitate Knowledge Sharing**

Igor Hawryszkiewicz  
(University of Technology, Sydney, Australia)

**3. Representing Service Information in a Collaborative KDD Environment**

Claudia Diamantini and Domenico Potena  
(Università Politecnica delle Marche, Ancona, Italy)

**4. A Collaborative Framework for Scientific Data Analysis and Visualization**

Jaliya Ekanayake, Shrideep Pallickara, Geoffrey Fox  
(Indiana University Bloomington, Indiana, USA)

**SESSION 7C:**

**DESIGNING COLLABORATIVE SYSTEMS AND VIRTUAL ORGANIZATIONS**

Wednesday, May 21, 1:30 p.m. - 3:10 p.m.

Session Chair: **Prof. Isabelle Demeure**

(Institut TELECOM - TELECOM ParisTech – CNRS)

Location: **Trabuco**

**1. Merging the Brain and the Heart Together in the World of Virtual Teams**

Linda M.L. Peters  
(University of Massachusetts at Amherst, Massachusetts, USA)

**\*2. A User Study of Edit Profiles in Collaborative Authoring Systems**

Stavroula Papadopoulou, Elke Reuss, Moira C. Norrie  
(ETH Zurich, Switzerland)

**3. Collaboration Life Cycle**

Hilda Tellioglu  
(Vienna University of Technology, Vienna, Austria)

**4. Network Centric Warfare: Organizational Collaboration As A Key Enabler**

Stephanie Swindler, Joseph Lyons, Julie White  
(Air Force Research Laboratory, Wright-Patterson AFB, OH, USA)

**3:10 p.m. - 3:30 p.m.**

**Break with Snacks**

Location: **Saddleback/Saddleback Terrace**

**SESSION 7A:  
(Cont.)**

**WORKSHOP ON WEB 2.0 AND WEB-BASED INFRASTRUCTURE FOR COLLABORATION**

Wednesday, May 21, 3:30 p.m. - 4:20 p.m.

Session Chair: **Geoffrey C. Fox**  
(Indiana University, Bloomington, Indiana, USA)

**Location:** **Salon A**

**\*5. Building Web-Based Collaboration Services on Mobile Phones**

Du Li, Umesh Chandra  
(Nokia Research Center, Palo Alto, California, USA)

**6. A Collaborative Computing Infrastructure Based on Atom**

Firat Kart, L. E. Moser, P. M. Melliar-Smith  
(University of California, Santa Barbara, California, USA)

**SESSION 8A:**

**COLLABORATIVE DECISION MAKING & SUPPORT SYSTEMS**

Wednesday, May 21, 4:20 p.m. - 5:35 p.m.

Session Chair: **Prof. Igor Hawryszkiewicz**  
(University of Technology, Sydney, Australia)

**Location:** **Salon A**

**1. Intelligent Decision Support to Assist Real-time Collaboration**

Gloria Phillips-Wren  
(The Sellinger School of Business and Management at Loyola College, Baltimore, Maryland, USA)

**2. Incorporation of Evidences into an Intelligent Computational Argumentation Network for a Web-based Collaborative Engineering Design System**

Xiaoping (Frank) Liu, Ekta Khudkhudia, and Ming Leu  
(Missouri University of Science & Technology, Rolla, Missouri, USA)

**3. A Demspster-Shafer Approach to Provenance-Aware Trust Assessment**

Bin Yu, Srikanth Kallurkar, Robert Flo  
(Quantum Leap Innovations, Inc., Newark, Delaware, USA)

**SESSION 8B:**

**WORKSHOP ON ROLE-BASED COLLABORATION (RBC 2008)**

Wednesday, May 21, 3:30 p.m. - 5:35 p.m.

Session Chair: **Haibin Zhu** (Nipissing University, North Bay, Canada)

**Location:** **Salon B**

**1. Binding Agent Roles to Environments: the R4R approach**

Luca Ferrari  
(Universita degli Studi di Modena e Reggio Emilia, Modena, Italy)

**2. Fundamental Issues in the Design of a Role Engine**

Haibin Zhu  
(Department of Computer Science and Mathematics, Nipissing University, North Bay, Ontario, Canada)

**3. A Role-based SOA Architecture for Community Support Systems**

Bin Xu, Yuanhong Shen, Xiejun Liang, Xiaohu Yang, Albert Ma  
College of Computer Science & Technology, Zhejiang University, Hangzhou, China and State Street Corporation, Boston Massachusetts, USA)

**4. Agent Roles: From Methodologies to Infrastructures**

Mariachiara Puviani, Giacomo Cabri, Letizia Leonardi  
(Universita degli Studi di Modena e Reggio Emilia, Modena, Italy)

## 5. Role-Based Shared Mental Models

Yu Zhang

(Computer Science Department, Trinity University, San Antonio, Texas, USA)



### **SPECIAL SESSION ON SOCIOLOGY OF SCIENCE AND KNOWLEDGE: COLLABORATION, DECISION SUPPORT SYSTEMS, DECISION-MAKING, AND SYSTEMS ENGINEERING**

Wednesday, May 21, 3:30 p.m. - 5:35 p.m.

Session Chairs: **Keith W. Jones** (Aeronautical Systems Center, WPAFB, Ohio, USA)

**Larry Jenkins** (Aeronautical Systems Center, WPAFB, Ohio, USA)

**Jeffrey Ramsey** (Aeronautical Systems Center, WPAFB, Ohio, USA)

**Dale Patrick** (Aeronautical Systems Center, WPAFB, Ohio, USA)

Location: **Trabuco**

#### **1. A Conceptual Systems View of Peircean Logic, Art of Reasoning, and Critical Thinking**

Ed T. Nozawa

(Lockheed Martin Aeronautics Company, Marietta, Georgia, USA)

#### **\*2. Videotraining : A Comparison Between “Virtual Class” and “Remote Class”**

Bernard Fallery, Sylvie Gerbaix, Roxana Ologeanu

(Ecole Polytechnique Universitaire, CREGOR - Université Montpellier II, Montpellier, France)

#### **3. Collaborative Technologies: Sociology Of Science And Knowledge Within Engineering Work Cultures**

Keith W. Jones, Dale Kristof, Larry C. Jenkins, Jeffrey Ramsey, Dale Patrick, Samuel Burnham, I. Leon Turner  
(Aeronautical Systems Center, Wright-Patterson Air Force Base, Ohio; Eglin Air Force Base, Florida;  
Rockwell Collins, Cedar Rapids, Iowa, USA)

#### **4. Collaborative Technologies: Cognitive Apprenticeship, Training, And Education**

Keith W. Jones, Dale Kristof, Larry C. Jenkins, Jeffrey Ramsey, Dale Patrick, Samuel Burnham, I. Leon Turner  
(Aeronautical Systems Center, Wright-Patterson Air Force Base, Ohio; Eglin Air Force Base, Florida;  
Rockwell Collins, Cedar Rapids, Iowa, USA)

#### **5. Collaborative Technologies For Science, Technology, Engineering, and Mathematics (STEM): Sociology Of Science And Knowledge, Holistic Systems Engineering, And Systems Thinking**

Keith W. Jones, Dale Kristof, Larry C. Jenkins, Jeffrey Ramsey, Dale Patrick, Samuel Burnham, I. Leon Turner  
(Aeronautical Systems Center, Wright-Patterson Air Force Base, Ohio; Eglin Air Force Base, Florida;  
Rockwell Collins, Cedar Rapids, Iowa, USA)

**SESSION 9: 5:35 p.m. – 6:10 p.m.**

**CTS 2008 DEMO II**

**3D Visual Collaboration with CAD , CAE and Scientific Data in VCollab**

**Dr. Prasad Mandava**

**(Visual Collaboration Technologies Inc., Troy, Michigan, USA)**

**Session Chair: Mr. Raymond Shady**

(LPA Systems, Inc., Fairport, New York, USA)

**Location: Salon A**

**6:10 p.m. -**

**Wednesday's Wrap-up**

**Location: Salon A**

**7:00 p.m. -**

**CTS 2008 DINNER BANQUET**

**MASTER OF CEREMONY:**

**Mr. Vance Saunders**

(Ball Aerospace & Technologies Corp., Ohio, USA)

**Location: Salon A**

**7:45 a.m. - 3:00 p.m.**

**CONFERENCE REGISTRATION**

Location: **Pre-function Area**

**7:45 a.m. - 8:30 a.m.**

**Informal Meet & Greet - Coffee / Pastries**

**Thursday Presenters and Session Chairs Get-together**

Location: **Saddleback**

**8:30 a.m. - 10:00 a.m.**

**CTS 2008 Thursday Keynote Speech**

**Title: New Frontiers for Collaborative Technologies**

**Speaker: Dr. Mark S. Ackerman**

University of Michigan

Ann Arbor, Michigan, USA

**Session Chair: Dr. Gloria Phillips-Wren**

(The Sellinger School of Business and Management at Loyola College, Baltimore, Maryland, USA)

Location: **Garden Pavilion**

**10:00 a.m. - 10:20 a.m.**

**Break with Snacks**

Location: **Saddleback/Saddleback Terrace**

**SESSION 10A:**

**WORKSHOP ON COLLABORATIVE ROBOTS AND HUMAN-ROBOT INTERACTION**

Thursday, May 22, 10:20 a.m. - 12:00 p.m.

Session Chair: **Dr. Xiaoqing (Frank) Liu**

(Missouri University of Science & Technology, Rolla, Missouri, USA)

Location: **Trabuco**

**1. Coordination in Human-Agent-Robot Teamwork**

Jeffrey M. Bradshaw, Paul J. Feltovich, Matthew J. Johnson, Larry Bunch, Maggie R. Breedy, Tom Eskridge, Hyuckchul Jung, James Lott, and Andrzej Uszok  
(Florida Institute for Human and Machine Cognition (IHMC), Pensacola, Florida, USA)

**2. Using Modeling as a Lens to Focus Testing**

Diane Kuhl Mitchell and Kaleb McDowell  
(US Army Research Laboratory, Aberdeen, Maryland, USA)

**3. The Mixed-Initiative Experimental Testbed for Collaborative Human Robot Interactions**

Daniel Barber, Sergey Leontyev, Bo Sun, Larry Davis, Jessie Y.C. Chen, and Denise Nicholson  
(Institute for Simulation and Training, University of Central Florida, and U.S. Army Research Laboratory, Orlando, Florida, USA)

**4. Design of Human-Aware Robot Motion Planning with Velocity Constraints**

Dongqing Shi, Emmanuel Collins Jr., Arturo Donate, Xiuwen Liu, Brian Goldiez, Damion Dunlap  
(Florida A&M University-Florida State University, Tallahassee, Florida, USA)

**SESSION 10B:**

**WORKSHOP ON COLLABORATION AND SECURITY (COLSEC'08)**

Thursday, May 22, 10:20 a.m. - 12:00 p.m.

Session Chair: **Dr. Dirk Henrici**  
(University of Kaiserslautern, Germany)

Location: **Conference Theater**

**1. The ASCAA Principles for Access Control Interpreted for Collaboration Systems**

Ravi Sandhu

(University of Texas at San Antonio, San Antonio, Texas, USA)

**2. RFID Malware Fragmentation Attacks**

A. Suliman, M. K. Shankarapani, S. Mukkamala, A. H. Sung

(Institute for Complex Additive Systems Analysis, New Mexico Tech, New Mexico, USA)

**3. TLS-Tandem, A Collaborative Technology for Trusted WEB Applications**

Pascal Urien

(École Nationale Supérieure des Télécommunications - ENST, Paris, France)

**4. An Interaction-based Access Control Model (IBAC) for Collaborative Services**

Mine Altunay, Gregory T. Byrd, Doug E. Brown, Ralph A. Dean

(Fermi National Laboratory and North Carolina State University, USA)

**12:00 p.m. – 1:50 p.m.**

**CTS 2008 LUNCHEON**

**LUNCHEON KEYNOTE SPEECH**

**Tangible Bits: Beyond Pixels**

**Professor Hiroshi Ishii**

**Tangible Media Group**

**MIT Media Laboratory**

**Massachusetts Institute of Technology**

**Cambridge, Massachusetts, USA**

**Session Chair: Mr. Juan Carbonell**

(Air Force Research Laboratory, WPAFB, USA)

**LOCATION: Garden Pavilion**

**1:50 p.m. - 2:00 p.m.**

**Short Break**

**Location: Saddleback/Saddleback Terrace**

**SESSION 11A:**

**WORKSHOP ON COLLABORATIVE ROBOTS AND HUMAN-ROBOT INTERACTION**

Thursday, May 22, 2:00 p.m. - 3:40 p.m.

Session Chair: **Dr. Du Li**

(Nokia Research Center, Palo Alto, California, USA)

**Location:** **Trabuco**

**\*1. Multiagent Adjustable Autonomy Framework (MAAF) for Multi-Robot, Multi-Human Teams**

Amos Freedy, Onur Sert, Elan Freedy, James McDonough, Gershon Weltman, Milind Tambe, Tapana Gupta, William Grayson, Pedro Cabrera  
(Perceptronics Solutions, Inc., Sherman Oaks, California, USA)

**\*2. Toward Developing an Optimal Cooperative Search Algorithm for Multiple Unmanned Aerial Vehicles**

Pedro DeLima, Daniel Pack  
(United States Air Force Academy, Colorado, USA)

**3. Cognition and Game Theory in the Design of a Collaboration Manager for Shared Control of Multiple UV Assets**

Marvin Cohen, Onur Sert, Melanie LeGoullon, Ewart de Visser, Amos Freedy, Gershon Weltman, Mary Cummings  
(Perceptronics Solutions, Inc., Arlington, Virginia, USA)

**4. Characteristics of Middleware for Networked Collaborative Robots**

Nader Mohamed, Jameela Al-Jaroodi  
(United Arab Emirates University, Al Ain, United Arab Emirates)

**SESSION 11B:**

**SPECIAL SESSION ON EXECUTABLE ARCHITECTURES**

Thursday, May 22, 2:00 p.m. - 3:40 p.m.

Session Chair: **Richard Mayer**

(Knowledge Based Systems, Inc., College Station, Texas, USA)

**Location:** **Conference Theater**

**1. Towards a Framework for Interoperability of Executable Architectures**

Richard J. Mayer, Perakath Benjamin, Ronald Fernandes  
(Knowledge Based Systems, Inc., College Station, Texas, USA)

**2. Enabling Executable Architectures by Improving the Foundations of DoD Architecting**

B. D. Mercer  
(The MITRE Corp., San Diego, California, USA)

**3. Using Discovery to Create an Architecture-based Implementation Baseline**

Michael Collins  
(Advantage Development Company, Westlake, Ohio, USA)

**4. Case Study: Net-Centric Mission Threads Modeling and Analysis Using BPMN**

Prem P. Jain and Brian Pridemore  
(The MITRE Corp., Mclean, Virginia, USA)

**3:40 p.m. - 4:00 p.m.**

**Break with Snacks**

**Location:** **Saddleback/Saddleback Terrace**

4:00 p.m. – 5:30 p.m. CTS 2008 PANEL SESSION

**Collaborative/Virtual Worlds Are Here To Stay ....  
So What Is Technology Doing To Help?**

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

**PANELISTS:**  
**Dr. Mark Ackerman** (University of Michigan, USA)  
**Dr. Geoffrey Fox** (Indiana University, USA)  
**Dr. Douglas White** (University of California at Irvine, USA)

**Location:** **Conference Theater**

**CLOSING  
SESSION:**

**CTS 2008 CONCLUSIONS AND FINAL REMARKS**

Thursday, May 22, 5:30 p.m. - 6:00 p.m.

Session Chairs: **CTS 2008 Organizers**

Location: **Conference Theater**

6:30 p.m. -

**Social Event II**

Location: **South Coast Mall/Orange County Performing Arts Center**

## CTS 2008 SOCIAL EVENTS

**MONDAY, MAY 19, 2008**

### **6:30 p.m.- 10:00 p.m. Social Event I**

(There will be multiple departures and returns)

#### **Irvine Spectrum (Shopping, Dining, Entertainment)**

Joins us for an evening of shopping, dining and entertainment at the Irvine Spectrum!

The Irvine Spectrum Center is one of Southern California's most popular shopping and dining destinations, visited by nearly 11 million people each year. This outdoor complex features 13th-century Spanish architecture and appealing fountains, along with more than 120 stores, restaurants and entertainment venues. Among these are a 6,400 seat, 21-screen movie theater with Orange County's only IMAX theater, and Dave and Busters - a place for fun, food and drinks that boasts over 200 interactive and video games. Families will enjoy the two main attractions at the Spectrum: a custom built 108-foot Giant Wheel (\$2/ride) and the classic carousel (\$1/ride).

See Socials page on the CTS 2008 website for more information. Contact Socials Chair, Felicia Harlow, at [felicia.harlow@wpafb.af.mil](mailto:felicia.harlow@wpafb.af.mil).

**THURSDAY, MAY 22, 2008**

### **6:30 p.m.- 10:45 p.m. Social Event II**

(There will be multiple departures and returns)

#### **South Coast Mall/Orange County Performing Arts Center**

Join us on a visit to this premiere California destination that attracts people from around the world! Designer shops, fine or casual dining, and performing and fine arts can all be experienced at this famous Orange County locale.

South Coast Plaza's unparalleled collection of over 280 boutiques and department stores, many exclusive to California, make this a world class attraction. The center reigns as one of the nation's most luxurious shopping destinations for fashion, home furnishings, spa services, dining and more. South Coast Plaza, combined with the Orange County Performing Arts Center and Segerstrom Center for the Arts, is the retail, commercial, cultural and social center of Orange County.

**Performing Arts Options:** There are two productions available on Thursday evening--these will require you to **pre-purchase your own tickets** on the venue websites or they may not be available when you arrive:

**SUSANNAH (7:30 PM) (PRESENTED BY OPERA PACIFIC AT THE ORANGE COUNTY PERFORMING ARTS CENTER)**

**Ticket price range: \$27 - \$275**

**TAKING STEPS (8:00 PM) (PRESENTED AT THE SOUTH COAST REPERTORY)**

**Ticket price range: \$14 - \$48**

See Socials page on the CTS 2008 website for more information. Contact Socials Chair, Felicia Harlow, at [felicia.harlow@wpafb.af.mil](mailto:felicia.harlow@wpafb.af.mil).

**FRIDAY, MAY 23, 2008**

**9:00 a.m. – 7:00 p.m.      Social Event III**

## **Disneyland Park or Disney's California Adventure Park**

Join us for a full-day, privately chartered excursion to Disneyland or Disney's California Adventure!

**California Adventure Park**~ "Immerse yourself in a magical festival of shows, parades and attractions celebrating California's storied past and exciting future. From the gold rush to Hollywood's golden era to the timeless allure of the beach, discover the vast and diverse Golden State." Disney's California Adventure is home to some of the Disneyland Resort's highest-rated attractions and shows, including: Soarin' Over California, California Screamin', The Twilight Zone Tower of Terror and the Broadway-caliber show, Disney's Aladdin - A Musical Spectacular. Visit the official website

[http://disneyland.disney.go.com/disneyland/en\\_US/parks/landing?name=DisneysCaliforniaAdventureLandingPage&bhcp=1](http://disneyland.disney.go.com/disneyland/en_US/parks/landing?name=DisneysCaliforniaAdventureLandingPage&bhcp=1).

**Disneyland** ~ "From the charm of Main Street, U.S.A to the whimsy of Mickey's Toontown, explore eight fantastic 'lands' of nostalgia, color and delight. Let your imagination run free in a magic kingdom where life is a fairy tale and dreams really do come true." This is the original park that started it all, opening on July 17, 1955, and which later became one of the most popular theme parks in the entire world. Visit the official website [http://disneyland.disney.go.com/disneyland/en\\_US/parks/landing?name=DisneylandParkLandingPage](http://disneyland.disney.go.com/disneyland/en_US/parks/landing?name=DisneylandParkLandingPage).

**Book early!** Sign up is limited to the first 35 who pre-register on the conference website by **April 28th**. Don't miss this exciting experience!

Pre-booking for this private excursion will **save you \$10 off the individual price**.

**We require at least 20 people for this excursion to get this discount.**

**Ticket Price:**    **\$89.00**    **Adult (includes transportation)**  
                          **\$75.00**    **Children Ages 3-9 (includes transportation)**  
                          **Free**        **Children Ages 2 and under**

**Trip departs 9:00 AM and returns at 7:00 PM.**

See Socials page on the CTS 2008 website for more information. Contact Socials Chair, Felicia Harlow, at [felicia.harlow@wpafb.af.mil](mailto:felicia.harlow@wpafb.af.mil).

## IMPORTANT NOTES:

- ◆ Most 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 as well as overhead projector available for all presenters in the conference rooms.
- ◆ **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-yyyy**). 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** usually between 7:45-8:30 a.m. 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.
- ◆ Exhibits will be held in the **Saddleback Room**. Exhibits open Tuesday, May 20, 10:00 a.m. - 9:00 p.m., Wednesday, May 21, 10:00 a.m. - 6:00 p.m., and Thursday, May 22, 10:00 a.m. - 4:00 p.m. Exhibits set-up, Monday, May 19, 1:00 p.m. - 5:00 p.m. Tear-down is Thursday, May 22, after 4:00 p.m.

## Floor Plan:

