



KSCO

The KSCO Community

<http://ksco.info>

KSCO – Previous Events

- **KSCO-1999** – International Workshop on Knowledge-Based Planning for Coalition Operations, May 1999, Edinburgh, Scotland.
 - Working parties proposed series of Coalition Experiments and Binni scenario adopted for community experimentation.
 - Working Group on KSCO formed and first meeting held to plan community activities.
- **2000-2002** – Coalition experiments and multi-national joint experimentation across community.
- **KSCO-2002** – Second Conference on Knowledge Systems for Coalition Operations, June 2002, Toulouse, France.
- **IEEE Intelligent Systems 2002**, Special Issue on Knowledge Systems for Coalition Operations, Volume 17 Number 2, May/June 2002.
- **KSCO-2004** – Volume of Papers on Knowledge Systems for Coalition Operations, October 2004. Planned conference in Pensacola, Florida, USA cancelled during active hurricane season (Ivan in September 2004).
- **KSCO-2006** – Third Conference on Knowledge Systems for Coalition Operations, part of IEEE Workshop on Distributed Intelligent Systems (DIS-2006), June 2006, Prague, Czech Republic.
- **KSCO-2007** – Fourth Conference on Knowledge Systems for Coalition Operations, part of IEEE International Conference on Integration of Knowledge Intensive Multi-Agent Systems Modeling, Evolution and Engineering (KIMAS-2007), May 2007, Waltham, MA, USA.
- **KSCO-2009** – Fifth Conference on Knowledge Systems for Coalition Operations, March/April 2009, Southampton, UK.
- **KSCO-2010** – Sixth Conference on Knowledge Systems for Coalition Operations, September 2010, Vancouver, BC, Canada.
- **KSCO-2012** – Seventh Conference on Knowledge Systems for Coalition Operations, February 2012, Pensacola, Florida, USA
- **IEEE Intelligent Systems 2013**, Special Issue on Knowledge Systems for Coalition Operations, Volume 28 Number 1, Jan/Feb 2013.
- **KSCO-2016** – Eighth Conference on Knowledge Systems for Coalition Operations, September 2016, London, UK. Co-located with 21st ICCRTS.

KSCO Working Group

- Jean Berger (DRDC, Canada)
- [Liz Bowman \(ARL, USA\)](#)
- Jeff Bradshaw (IHMC, USA)
- David Brown (MITRE, USA)
- Richard Davis (DSTO, Australia)
- Susan Davies (Southampton University, UK)
- Roberto Desimone (QinetiQ, UK)
- Jerry Dussault (AFRL, USA; TTCP Representative)
- Roozbeh Farahbod (DRDC, Canada)
- Dan Fayette (AFRL, USA)
- Scott Fouse (IS, USA)
- Nort Fowler (AFRL, USA; now retired)
- Uwe Glaesser (Simon Fraser University, Vancouver, BC, Canada)
- [Tim Grant \(Netherlands\)](#)
- Vladimir Gordoteski (St. Petersburg Inst. for Info. and Automation, Russia)
- Adel Guitouni (Previously DRDC, Canada; TTCP Representative)
- Jim Hendler (University of Maryland, USA)
- Justin T Henley (Dstl, UK)
- Jan Jelínek (Honeywell, USA)
- Vijay Kowtha (ONR Global/London, USA)
- Dale Lambert (DSTO, Australia)
- James Lawton (AFRL, USA)
- Paul Losiewicz (EOARD/London, USA)
- Barry McKinney (EOARD/London, USA)
- [Rick Metzger \(AFRL, USA\)](#)
- [Jitu Patel \(Dstl, UK\)](#)
- Michal Pěchouček (Czech Technical University in Prague, Czech Republic)
- Martin Reháč (Czech Technical University in Prague, Czech Republic)
- Tony Rathmell (DSTL, UK)
- Akexander Smirnov (Russian Academy of Sciences, Russia)
- Dan Sofge (NRL, USA)
- [Niranjan Suri \(IHMC, USA\)](#)
- [Austin Tate \(AIAI, University of Edinburgh, UK\)](#)
- Gerhard Wickler (AIAI, University of Edinburgh, UK)

Institutions and roles
may not be current

KSCO Topics

- Innovative theory and techniques for formation of coalitions and similar “virtual organizations”
- Requirements for knowledge-based coalition planning and operations
- Knowledge-based approaches to command and control
- Knowledge-based approaches to coalition logistics
- Knowledge-based approaches to inter-agency and domestic operations
- Knowledge-based approaches to safety and security operations
- Knowledge-based decision support
- Coalition and inter-agencies modelling
- Applications and requirements for knowledge-based coalition planning
- Knowledge-based approaches to Operations-Other-Than-War
- Multi-agent systems and the concept of agency in coalitions
- Tools and techniques for knowledge-based simulation and modelling of coalition operations
- Security and maintenance of private information or knowledge in coalition operations
- Autonomous vs. centrally managed coalition operations
- Mobility, agile and autonomous computing in coalition operation
- Cyberspace issues for coalitions
- Complexity issues and scalability in coalition operations
- Cross-cultural issues in coalition operations
- Deployed systems, case studies

KSCO-2017 Track Papers

KSCO - Coalition Information Handling, Situational Analysis & Decision Support ***Session Chair: Tim Grant***

- 13:00: Karen Myers, Tim Ellis, Tancrede Lepoint, Ronald Moore, David Archer, Grit Denker, Steve Lu, Stephen Magill and Rafail Ostrovsky – Privacy Technologies for Controlled Information Sharing in Coalition Operations
- 13:30: Erica P. Viklund, Heather M. Oonk and Manuela Jaramillo – The Role of Transactive Memory (TM) in Proactive Decision Support (PDS)
- 14:00: Wen Zhou, Weidong Bao, Xiaomin Zhu, Chao Chen, Zhu Wu and Changfei Wu – A Semantic-Based Information Integration Framework of Agile Command and Control
- 14:30: Adrienne Raglin and Christian Schlesiger – Data Analyzer Software: a Knowledge System Supporting Coalition and Team Information Sharing

KSCO - Coalition C2 and Collaboration ***Session Chair: Michal Pěchouček***

- 15:30: David Mott, Yunfeng Zhang, Soheil Eshghi, Cheryl Giammanco and Troy Kelley – A Framework for Modelling the Effect of Emotion on Uncritical Reasoning
- 16:00: Austin Tate and Jeffrey Hansberger – Virtual Operations Centres for Coalition Operations and Distributed Team Collaboration
- 16:30: Jitu Patel and Peter Houghton – Where are the Knowledge Systems? – Understanding obstacles to technology adoption

KSCO Further Information and Involvement

- KSCO Event Information, papers and presentations, Binni scenario materials, coalition experimentation materials and documentation:
- <http://kSCO.info>
- We encourage your participation...
 - In addressing key coalition and technical drivers
 - In seeking operational opportunities
 - In creating collaborative projects
 - In future experiments and integrated technology demonstrations