



Strength through Industry & Technology



Robotics Division

International Cooperation Committee Update

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The Voice of the Industrial Base



Committee Members

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International Cooperation Committee Mission Statement

- Provide a forum that fosters interchange with international robotics customers, industry and academia



International Cooperation Committee

Goals

- **Work with DoD customers to synchronize/harmonize international requirements with those of the U.S. with an emphasis on interoperability**
- **Develop a strategy and implementation plans with Departments of Defense and State that will foster and facilitate programs with U.S. allies, e.g International Technology Alliance (ITA)**



International Technology Alliance

- ✓ UK Ministry of Defence (MoD) ([MoD Science Innovation Technology](#), [Dstl](#), [CESG](#)) and US Army Research Lab (ARL) formed an alliance to perform research in network centric systems.
 - ✦ maximizes the impact of research and the probability of successful transition
- ✓ Perform research in these four areas
 - ✦ (i) [network theory](#)
 - ✦ (ii) [security across system of systems](#)
 - ✦ (iii) [sensor information processing and delivery](#)
 - ✦ (iv) [distributed coalition planning and decision making](#).
- ✓ U.S. team members are IBM (lead), Boeing, Honeywell Aerospace Electronics, BBNT Solutions, and Applied Research Associates.
- ✓ The UK team members are: Logica CMG, Roke Manor research Limited and Systems Engineering & Assessment.
- ✓ UK & US Academia
- ✓ Leverage for robotics technology needs



International Cooperation Committee

Initial Task List

- Identify international companies that are players in the ground robotics arena (platforms and key mission payloads), including academia. Look for leading edge technology to leverage.
 - **Leverage JGRE sponsored international UGV study**
- Identify international customers/organizations and include their participation in future meeting agendas.
 - **Leverage JGRE sponsored international UGV study**
- Identify issues and challenges for U.S. ground robotics companies selling abroad.
- Identify U.S. technology gaps and initiate dialogue with Allies and international companies in those areas.



For Next Meeting

- ✓ **Add additional subcommittee members**
- ✓ **Finalize subcommittee charter**
- **Identify new leader for International Cooperation Committee**
- **Schedule international speaker for next Division meeting. Some potential candidates are:**
 - **British or German “Grand Challenge” competitions**
 - ✓ **OSD JGRE sponsored international UGV study (Nicholas Karvonides)**
- **Continue the investigation of the International Technology Alliance and robotics technology**



ITA Academia Members

✓ US

- ✦ CMU
- ✦ Columbia
- ✦ Penn State
- ✦ RPI
- ✦ U. Mass
- ✦ UCLA
- ✦ UMD
- ✦ CUNY

✓ UK

- ✦ University of Southampton
- ✦ University of Aberdeen
- ✦ University of Cambridge
- ✦ Imperial College
- ✦ York University
- ✦ Cranfield University (RMCS)
- ✦ Royal Holloway College