

Impacts of ARL-USMA Collaborations on Information Assurance

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ABSTRACT:

Impact of ARL-USMA Collaboration on Information Assurance (IA)

In 2001 individuals from ARL and USMA met at the second annual IEEE IA Workshop (IAW) at West Point and began an important collaboration to advance IA technology that would support the battlefield.

IA is an area concerned with the timely delivery of information, is impacted by and affects every area of information technology (IT), and attempts to address all threats to delivery, including intrinsic IT flaws and malicious human actions (cyber security).

The IAW subsequently fostered establishment of the IEEE Task Force on IA (TFIA) and the IEEE IA Standards Committee (IASC), and these in turn spawned multiple international IA workshops, each with a different focus (e.g., security in storage), and multiple standards projects.

Through TFIA and IASC, ARL and USMA became partners in development of open consensus IA standards affecting both commercial and military uses of IT, with development in some projects based on well-accepted guidance developed by NIST and embraced by DoD and the Director of National Intelligence. Activities such as the Joint IED Defeat Organization and critical infrastructure protection efforts of the Institute for Information Infrastructure Protection will be affected.

Through this partnership USMA has become a key contributor to continuous development of the ARL Strategic Technical Initiative for IA, enabling ARL to bring its technical expertise in networking sciences to battlefield communications.

This presentation further describes the impacts of the ARL-USMA IA collaboration.

KEYWORDS: information assurance, timely delivery of information, cyber security

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