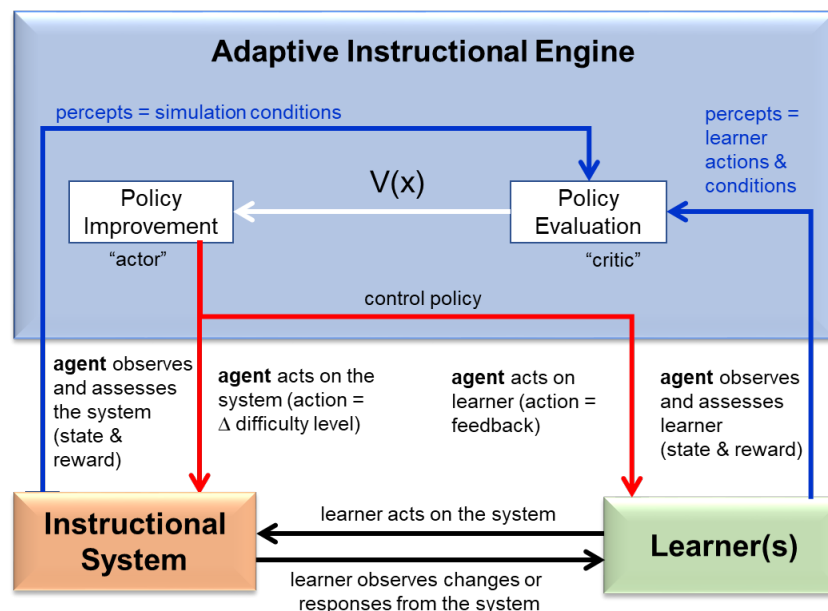


## IEEE Project 2247: Adaptive instructional Systems (AIS) Standards

During the last two years, an Institute for Electrical and Electronics Engineers (IEEE) working group chartered under Project 2247 has taken on the task of developing standards, guidance, and best practices for adaptive instructional systems (AISs). AISs are defined as: artificially-intelligent, computer-based systems that guide learning experiences by tailoring instruction and recommendations based on the goals, needs, and preferences of each individual learner or team in the context of domain learning objectives. Our IEEE working group continues to define the scope of AISs, and develop standards and best practices to enhance products in the marketplace. Please take this opportunity to influence these standards.

To date, the group has identified three potential areas for standardization: 1) a conceptual model for AISs, 2) interoperability standards for AISs, and 3) evaluation best practices for AISs.

Adaptive instructional systems (AISs) come in many forms and this makes standardization challenging. The most common form of AIS is the intelligent tutoring system (ITS) which is a computer-based system that automatically provides real-time, tailored, and relevant feedback and instruction to learners. Other forms of AISs include intelligent mentors (recommender systems) which promote the social relationship between learners and intelligent agents and web-based intelligent media used for instruction.



**Opportunities to participate:** Please contact chair directly for more information.

- IEEE 2247 AIS Working Group Chair – Bob Sottolare ([bob.sottolare@soartech.com](mailto:bob.sottolare@soartech.com))
  - Monthly EMeeting: <https://join.me/IEEE-CAIS> (2<sup>nd</sup> Thursday each month at 10am eastern)
- IEEE 2247.1 Conceptual Modeling Subgroup Chair—Anne Knowles ([knowledge.ak@gmail.com](mailto:knowledge.ak@gmail.com))
- IEEE 2247.2 Interoperability Subgroup Chair - Jim Goodell ([jimgoodell@qi-partners.com](mailto:jimgoodell@qi-partners.com))
- IEEE 2247.3 Evaluation Subgroup Chair – Shelly Blake-Plock ([shelly@yetanalytics.com](mailto:shelly@yetanalytics.com))