

Assessment Technology Tools

CRESST researchers played a key role in each of the below assessment tools contributing to the 2011 ASTD *Excellent in Practice Award*.

- **The Conning Officer Ship handling Assessment (COSA) Tool** consists of recently modified software that significantly improves the assessment and tracking of student ship-handlers. Used by the entire ship handling student population, COSA increases the quality and objectivity of information provided to Naval instructors. Key CRESST staff included Sutter Fox, John Lee, and Nichole Rivera.
- The U.S. Navy uses the **Tactical Action Officer (TAO) Assessment Tool** to evaluate prospective Tactical Action Officers. Before this evaluative tool, students received 60 hours of simulator training but were not assessed on actual performance. The new capability to objectively assess students during the most critical phase of their training has reinforced standards and added credibility to the entire curriculum. Key CRESST staff included John Lee and Barbara Jones.
- With limited training days available, a significant training gap existed in the U.S. Navy ship-handling curriculum for senior level students. The **Adaptive Training, Combat Information Center (ATCIC)** utilizes the powers of adaptive training to improve learning in short time periods. During an ATCIC exercise, student scenarios are personalized as the exercise proceeds. This rapid student assessment by adaptive technology is critical in meeting the timeline for this senior level course. Key CRESST staff included Alan Koenig, John Lee, Allen Munro (partner from University of Southern California's Center for Cognitive Technology), Markus Iseli, Suming Chen, Ali Abedi, and Matt Zhang.