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Adaptive Training and Education Research at the US Army Research Laboratory: Bibliography (2013–2015)

by Robert A Sottilare

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Human Research and Engineering Directorate (HRED)

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14. ABSTRACT
This report provides a comprehensive bibliography of publications produced from 2013 through 2015 under the direction of the US Army Research Laboratory's (ARL's) adaptive training and education research program. This includes journal articles, technical reports, and conference papers produced by ARL employees and contractors to support the development of the Generalized Intelligent Framework for Tutoring prototypes to support an open-source architecture for authoring, delivering, and evaluating adaptive instruction.

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1. Introduction

Adaptive training and educational instruction provides tailored experiences that are guided by computer-based intelligent tutoring systems. This report provides a comprehensive bibliography of publications produced from 2013 through 2015 under the direction of the US Army Research Laboratory's (ARL's) adaptive training and education research program. The bibliography includes references for journal articles, technical reports, and conference papers produced by ARL employees and contractors to support the development of the Generalized Intelligent Framework for Tutoring (GIFT) prototypes during this period to provide an open-source architecture for authoring, delivering, and evaluating adaptive instruction. In addition to the GIFT symposia, conference papers were produced and presented at a variety of technical venues that included but were not limited to the following organizations' conferences: Interservice/Industry Training, Simulation and Education, Artificial Intelligence in Education, Intelligent Tutoring Systems, Human Factors and Ergonomics, Applied Human Factors and Ergonomics, Augmented Cognition, Defense and Homeland Security Simulation, and Florida Artificial Intelligence Research Society. Contributors to these publications included members of US government agencies, academic institutions worldwide, and industry in the modeling, simulation, and training industrial base. References are arranged in reverse chronological order grouped by their year of publication.

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