

# Artificial Intelligence in Education 2019

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## **Workshop Proceedings: Approaches and Challenges in Team Tutoring**

Workshop Co-Chairs:

**Anne M. Sinatra, Ph.D.**

*U.S. Army Combat Capabilities Development Command (CCDC) – Soldier Center –  
Simulation & Training Technology Center (STTC)*

**Jeanine A. DeFalco, Ph.D.**

*Oak Ridge Associated Universities & U.S. Army CCDC Soldier Center STTC*

Workshop Program Committee:

**Benjamin Goldberg, Ph.D.**

*U.S. Army CCDC Soldier Center STTC*

**Art Graesser, Ph.D.**

*University of Memphis*

**Xiangen Hu, Ph.D.**

*University of Memphis*

**Rodney Long**

*U.S. Army CCDC Soldier Center STTC*

## Preface

The *Approaches and Challenges in Team Tutoring Workshop* was conducted in conjunction with the 20<sup>th</sup> Artificial Intelligence in Education Conference (AIED) in Chicago, IL, in June 2019. This workshop focused on different approaches and challenges of team tutoring within intelligent tutoring systems (ITSs). The workshop included many examples of team tutoring in action in different domains, as well as lessons learned from the development of the team tutors. The goals of this workshop included identifying challenges and approaches in team tutoring. One representative element of challenges in team tutoring included how they were overcome by our presenters, findings that can assist other researchers in the future. The workshop concluded with a discussion of the current gaps in the team tutoring domain, commonalities in the challenges that were identified, as well as steps forward for team tutoring. The challenges and approaches identified are captured in the papers included in this proceedings.

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Anne M. Sinatra and Jeanine A. DeFalco

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