

CALL FOR PARTICIPATION

National Science Foundation (NSF) Sponsored Workshop

Synthesis and Design Workshop on Digitally-Mediated Team Learning

March 31 – April 2, 2019 Orlando, FL

Important Dates

- **December 15, 2018:** *Early Stipend Consideration* - Position Abstract and Expertise Profile submission for early consideration of a travel stipend.
- **January 31, 2019:** *Stipend Request Deadline* - Position Abstract and Expertise Profile submission deadline to receive consideration for a travel stipend.
- **February 15, 2019:** *Non-Stipend and Poster Commitment Deadline* - Expertise Profile submission deadline for those who are not requesting a travel stipend. Poster presentation request deadline.

Overview

This workshop aims to identify and prioritize research directions by examining existing and next-generation approaches to DMTL for selected foci within research on computer-supported collaborative learning. During the two-and-a-half day workshop, participants will be afforded opportunities to participate in a poster session, keynote, panel session, technical breakout sessions, and action committees. Workshop participants contribute to a White Paper defining 1/3/5+ year research plans requested by NSF.

Participation & Track Organization

This workshop is open to all researchers, educators, and industry developers advancing transformative pedagogical approaches for technology-enhanced team learning within STEM disciplines. In addition to the common activities, the workshop will operate four concurrent tracks:

- 1) Facilitating Team Learning in Real-time via Online Technologies:**
 - Online instructional environments for engaging, observing, and assessing collaborative learning
 - IDT for STEM design and problem-solving teams in-situ
 - Student-Facing and Instructor-Facing support
- 2) Collaborative Learning via Analytics:**
 - Data-mining of assessments for automated optimization of team composition
 - Collecting and leveraging of real-time observations of participation and dynamically identifying learners' needs
 - Back-end reporting of learning outcomes
- 3) Supporting Digital Teams using Active Pedagogical Strategies:**
 - Underpinning team activity in STEM classroom settings via cognitive science
 - Exploring andragogical and pedagogical methods and strategies
 - Intrinsic/Extrinsic Incentivization leading to actionable lesson plans.
- 4) Empowering Equitable Participation in DMTL**
 - Fostering collaborative digital learning approaches that broaden participation among underserved/underrepresented populations
 - Investigating the role of Socially-Agnostic participation in team learning environments

Keynotes & Activities

Keynote Speakers



Dr. Carolyn Penstein Rose
Professor, Language Technologies
Institute & HCI Institute
Carnegie Mellon University



Dr. Christopher Dede
Timothy E. Wirth Professor
in Learning Technologies
Harvard University

Workshop Activities

- Poster Session
- Tools Showcase
- Keynote Addresses
- Panel Sessions
- Parallel Technical Breakout Sessions
- Action Committees

Workshop Website: <http://digital-learning-teams.com>