

# Ibrahim Dahlstrom-Hakki

Senior Research Scientist, EdGE at TERC

idahlstromhakki@terc.edu

617.873.9837

## Biographical Summary

For over a decade, **Dr. Dahlstrom-Hakki** has worked on exploring effective methods of teaching STEM to struggling learners and using neurocognitive tools to study the cognitive underpinnings of Learning. He has served as Principal Investigator on several National Science Foundation Research grants including NSF-RDE (HRD-1128948); NSF-REAL (DRL-1420198) and NSF-REAL (DRL-1417456). Dr. Dahlstrom-Hakki routinely delivers professional development workshops and trainings to secondary and postsecondary educators on topics including: Teaching STEM to students with disabilities, Universal design for Learning, and Teaching with Technology. He has previously served as Director of the Landmark College Institute for Research and Training and maintains an affiliation with that campus. Dr. Dahlstrom-Hakki earned his Ph.D. in Cognitive Psychology from the University of Massachusetts Amherst and has taught both graduate and undergraduate courses at a number of campuses including Landmark College, the University of Massachusetts Amherst, Mount Holyoke College, SIT Graduate Institute, and Holyoke Community College.



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## Areas of Interest

- Effective methods of teaching STEM to students with disabilities
- Implicit measures of learning
- Using neurocognitive tools in authentic learning settings
- Game-based learning (GBL) and game-based learning assessments (GBLA)
- Cognitive loads differentially impacting students with disabilities