



Britte Haugan Cheng, Ph.D., has led R&D in STEM K-12 instruction, learning technologies, and assessment for two decades. Her work has focused on R&D to support equitable student learning across domains and to document hard-to-measure student, teacher, and system-level outcomes. Her design work has focused on student engagement in STEM disciplinary practices, 21st century skills including collaboration, inter- and intra-personal skills and competencies, as well as cross-cutting reasoning (e.g., critical thinking, systems thinking, etc.). Dr. Cheng's design work has targeted innovative and pedagogical contexts including project-based, competency-based, and culturally-sustaining learning settings.

Applying this expertise, Cheng's work has focused on the development of innovative methods and infrastructure to address persistent problems in education, including serving as co-PI of the NSF project that conceptualized Design-based Implementation Research. Her current work includes multiple projects developing approaches to catalyzing collaboration and aggregating learning and insights across R&D networks, a critical means to accelerate educational reform.