



Assistant professor
Engineering
education
Learning scientist
Co-PI on FACETS
Secondary
appointment in CBE

My research focuses on how people learn when they design. We know a great deal about how people learn when solving problems, but far less about how they learn when finding and framing design problems.

I investigate how **identity** (feeling like one belongs in engineering) and **agency** (making decisions that are consequential in one's learning and designing) matter in supporting diverse students learning to design. I study the **engineering assets** diverse students bring from life experiences.

ASEE 2017

Plenary talk: Best diversity paper: Identified engineering assets diverse students bring
First year division paper: Design challenges supported students to take on engineering identity, describe active roles for themselves.

Chemical Engineering Education

Rurality as an asset (2018): Students built on their life experiences to consider feasibility.

CBE 101

Co-teaching, integrating design challenges

National Academies / Spencer Foundation Post Doctoral Fellow, 2014

Svihla, V. & Reeve, R. (2016). *Design as scholarship: Case studies from the learning sciences*. New York, NY: Routledge.

Svihla, V. & Reeve, R., (2016). *Facilitating problem framing in project-based learning*, *Interdisciplinary Journal of*