



JUSTEC 2022

Keynote Speaker's Bio



Catherine Lewis, Ph.D. is a research scientist at Mills College, Oakland, California. She earned her doctorate in Developmental Psychology at Stanford, with a minor in Japanese Studies, and she has worked to make Japanese elementary education practices and materials available to U.S. educators, with a particular focus on [lesson study](#) (teacher-led, classroom-based professional learning), and mathematics [Teaching Through Problem-solving](#) (an approach in which *students* build each new mathematical idea in the curriculum).

She has directed 10 major grants funded by NSF, IES, or private foundations focused on instructional improvement, including a randomized trial of teacher-led lesson study with Japanese mathematical resources (Lewis & Perry, *JRME*, 2017, 48:3) that was identified by a *What Works Clearinghouse*-criteria [review](#) as one of only two studies of mathematics professional learning (of 643 reviewed) to improve students' mathematical proficiency. Her recent work demonstrates the potential of [school-wide lesson study](#) to dramatically improve achievement in [urban settings](#). Currently, she is the president of World Association of Lesson Studies(WALS).

