

You are cordially invited to attend the
MSU Mathematics Education Colloquium



Presented by:
Dr. Brent Davis

University of Calgary

Wednesday,
March 2, 2016

3:30 – 5:00 p.m.
252 Erickson Hall
MSU

Transforming Mathematics Education as Learning a Second Language

I describe three distinct “languages” that have emerged in two longitudinal studies of educational change at the school level: Standardism, Authenticism, and a conflicted “mixed language” that draws on each of the other two but that commits to the implicit world views of neither. I highlight some of the common metaphors and images of this mixed language, in the process arguing that its emergence is often mistaken an important evolution in a teaching community, when it might be more appropriately understood as a major impediment to change. In particular, a mixed language can mask beliefs and align with inflexible teaching practices, even while seeming to resonate with reformist principles.

Brent Davis’s research is focused on the educational relevance of recent developments in the cognitive and complexity sciences. He has published books and articles in the areas of mathematics learning and teaching, curriculum theory, teacher education, epistemology, and action research. The principal foci of his research are teachers’ disciplinary knowledge of mathematics and the sorts of structures and experiences that might support mathematics learning among teachers. He has authored or co-authored six books and his scholarly writings have appeared in *Science*, *Harvard Educational Review*, *Journal for Research in Mathematics Education*, and other leading journals.

The Program in Mathematics Education sponsors this event.