

PRIME AT MSU

and



present

Co-Integrate 22/23

Dr. Higinio Dominguez

Monday, 11/14/22, 1:30 - 2:30PM

in the

CREATE Seminar space



Animating Mathematical Concepts...(and the learning of teachers, students, and researchers)

ABSTRACT: Mathematics education research is overwhelmingly assimilationist in its desire to change people, teachers, students, researchers, instead of changing the mathematics. In this teaching-research collaboration, one teacher (Tina Haselius), two graduate research assistants (Sofía Abreu and Melvin Peralta), and one mathematics education researcher (Higinio Dominguez) will share their emerging experiences learning how to animate mathematical concepts. While one key goal in our collaboration has been to resist the violence of trying to change, assimilate, and colonize learners, the process of animating mathematical concepts has, in beautiful and nonviolent ways, allowed us to experience change in and among ourselves as we learn to (co)respond to the animacy and agency of the mathematical concepts that we set out to animate in our teaching-research group.

BIO: Higinio Dominguez is an associate professor in the Teacher Preparation Program of the College of Education at Michigan State University. Across the three areas of research, teaching and service, Higinio has been exploring the mobilization of *saberes*—diverse ways of knowing—that matter in the multicultural, multiliterate and multilingual lives of students, teachers and families from less-dominant communities. These *saberes* constitute a tremendous potential for transformative research. Higinio's scholarly work has been published in many research and practitioners' journals, including *Educational Studies in Mathematics*, *Journal for Research in Mathematics Education*, *Journal of Mathematics Teacher Education*, *Teaching Children Mathematics* and *Bilingual Research Journal*.