

STEM EDUCATION LABORATORY

**College of Education
Florida Atlantic University**

GUEST LECTURE

By

Dr. MICHAEL HANSEN

Senior Fellow, Brookings Institution

“Helping Students See and Apply Scientific Principles Outside of Natural Domains”

DATE: Wednesday October 9, 2019

TIME: 5:45 PM

PLACE: ES Building, Room 410, FAU Davie

ABSTRACT: Science education in American schools conflates two disparate definitions of “science,” thereby leading students to assume science and related concepts are the exclusive domain of the natural sciences. Ultimately, natural sciences are privileged in schools as real sciences and social sciences are often marginalized with very real consequences. This lecture will help teacher candidates understand that the scientific process is shared with the social sciences and how inquiry-based instruction can illuminate other domains outside of natural sciences that are not commonly thought of as science. Exercises can help students “think like scientists” in areas that they had not previously considered, and thus help engage students in scientific learning.

ABOUT THE GUEST LECTURER: Dr. Michael Hansen is a Senior Fellow at the Brookings Institution and the Director of the Brown Center on Education Policy. He has conducted original research on teacher quality, value-added measurement, teacher evaluation, school turnaround and STEM learning. His research findings have appeared in *Washington Post*, *the Wall Street Journal*, *the Atlantic*, *Educational Evaluation and Policy Analysis*, and *American Educational Research Journal*. He has worked as PI/Co-PI of projects funded by NSF, Institute for Education Sciences and the Knight Foundation. He holds a Ph.D in Economics from the University of Washington.

RSVP: eparks@fau.edu