



Transforming STEM Education at USF

February 2, 2017

10:00-11:00 am

ISA 5020

Andrea Beach, Ph.D.

“Systemic Approaches to Facilitating Undergraduate STEM Change”



Dr. Andrea L. Beach is a Professor of Higher Education Leadership and Co-Director of the Center for Research on Instructional Change in Postsecondary Education (CRICPE) at Western Michigan University. She founded and was Director of the WMU Office of Faculty Development from 2008-2015. Her research centers on organizational change in higher education, support of innovation in teaching and learning, faculty learning communities, and faculty development as a change lever. She has been PI and co-PI on several NSF-funded grants focused on instructional change strategies that have produced articles and book chapters, as well as instruments to self-report instruction and academic department climate for instructional improvement. She is most recently director of a \$3.2 million project funded by the US

Department of Education’s First in the World program to undertake, document, and measure outcomes of institutional transformation aimed at improving the persistence and academic success of students from low-income backgrounds.

Dr. Beach’s recent book, *Faculty Development in the Age of Evidence: Current Practices, Future Imperatives*, provides the field with an important snapshot of faculty development structures, priorities and practices in a period of change, and uses the collective wisdom of those engaged with teaching, learning, and faculty development centers and programs to identify important new directions for practice.

This continuing series of seminars is part of the USF STEM education project “Systemic Transformation of Education Through Evidence-Based Reforms (STEER).” This project is partially supported by the Academy for Teaching and Learning Excellence (ATLE), the Coalition for Science Literacy, the College of Arts and Sciences, the Office of Student Success, and the National Science Foundation (Grants DUE #1324775 and #1525574).