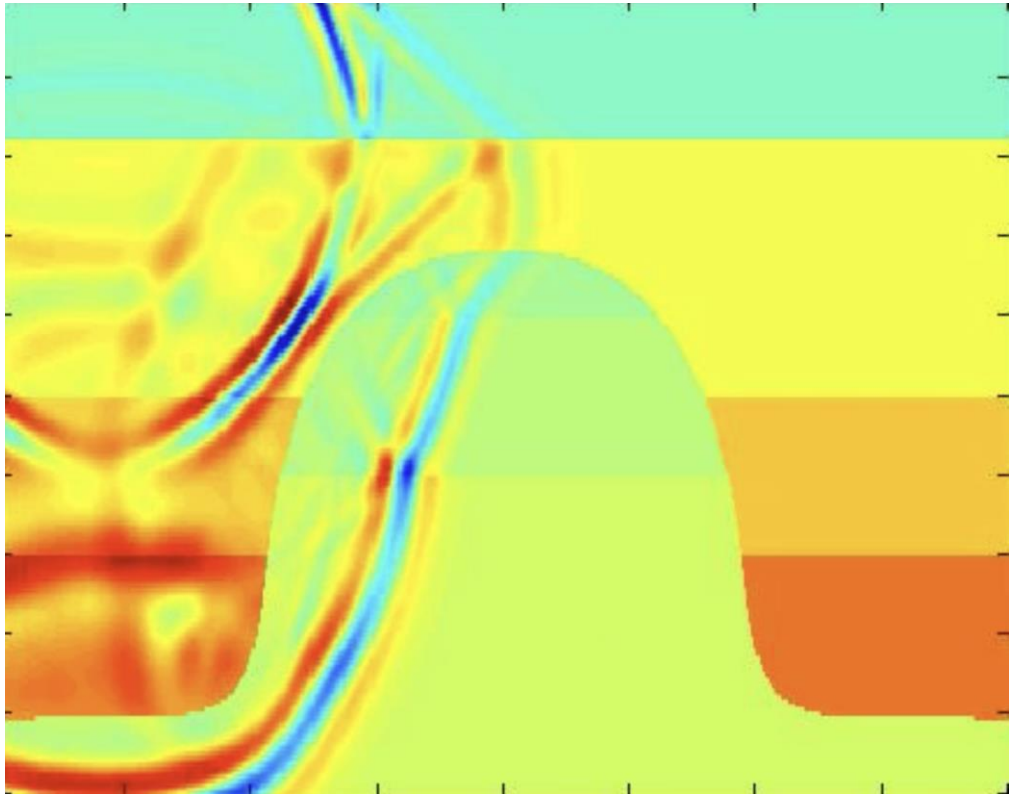# PHYSICS COLLOQUIUM

Dr. Mario Bencomo
California State University, Fresno

Topics in differential equations, inverse problems and optimal control

Abstract

This talk covers a body of research under the category of optimization problems with differential equations as constraints, a unifying framework for some inverse problems and optimal control. The talk will focus on challenges associated with discretizing and estimating seismic sources as multipoles and discrete adjoint computations for relaxation Runge-Kutta methods

3:00 p.m. – 4:30 pm, Friday, February 24th,
In-Person: McLane 162