1116-49-427   **Ebrahim Sarabi*** (`ebrahim.sarabi@wayne.edu`), Department of Mathematics, 1264 Faculty/Administration Building, 656 W. Kirby, Detroit, MI 48202. *Stability analysis of composite optimization problems with applications to critical multipliers.*

In this talk, we consider a composite optimization problem and present a second-order characterization of full stable local minimizers of this problem. Finally, we show that how full stability can rule out the existence of critical multipliers of the latter problem. (Received August 31, 2015)