1154-49-960 **Ebrahim Sarabi***, 301 S. Patterson Ave, Oxford, OH 45056. *Stability properties of Lagrange multipliers in constrained optimization problems.*

This talk focuses mainly on providing a second-order variational analysis of critical and noncritical Lagrange multipliers of optimization problems. Then we discuss its application to the sequential quadratic programming algorithm for constrained optimization problems.

The talk is based on a joint work with Boris Mordukhovich. (Received September 12, 2019)