1106-47-1371 **Adam S Orenstein*** (adamoren@buffalo.edu), 244 Mathematics Building, University at Buffalo, Buffalo, NY 14260. *Symmetric normed ideals and symmetric norming functions with examples and motivation.*

There has been an increasing interest in symmetrically-normed ideals in recent years. A widely known example is the Schatten p-class for any $p > 0$. In this talk, the concept of a symmetrically-normed ideal and the related concept of a symmetric norming function will be defined. Some useful properties and theorems, such as Fan's Theorem, will be presented. We will also see some examples besides the Schatten p-classes. After this, the motivation for studying symmetrically-normed ideals will be presented. (Received September 12, 2014)