1139-37-110   **Andreas Koutsogiannis*** (`koutsogiannis.1@osu.edu`), 100 Math Tower, 231 West 18th
Avenue, Columbus, OH 43210. *Pointwise multiple averages for sublinear functions.*

In this talk we will study the pointwise convergence of multiple ergodic averages with iterates of different growth sublinear functions in a measure preserving system, where we assume no commutativity on the transformations. The class of interest properly contains important subclasses of Hardy field functions of order 0 and of Fejér functions. The case where the fastest function is linear will presented as well, and we will provide, in all the cases, an explicit formula of the limit function. This is a joint work with S. Donoso and W. Sun. (Received February 04, 2018)