A generalization of Mallat’s classical multiresolution analysis was defined by Gabardo and Nashed. In this talk, we introduce nonuniform multiresolution $p$-analysis on $L^2(\mathbb{R}^+)$, analogy of Gabardo-Nashed definition and then we will construct the associated $p$-wavelet packets for such an multiresolution $p$-analysis on $L^2(\mathbb{R}^+)$. 

References:

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