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Jie Xiao (jxiao@mun.ca), Department of Mathematics and Statistics, Memorial University of Newfoundland, St. John's, NL A1C5S7, Canada, and **Deping Ye*** (deping.ye@mun.ca), Department of Mathematics and Statistics, Memorial University of Newfoundland, St. John's, NL A1C5S7, Canada. *Anisotropic Sobolev Capacity with Fractional Order.*

In this talk, I will present the recent progress of the anisotropic Sobolev capacity with fractional order, in particular its connection with convex geometry.

I will also talk about the related isocapacitary inequalities and the anisotropic fractional Sobolev embedding. (Received January 17, 2016)