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Haomin Zhou* (hmzhou@math.gatech.edu), Georgia Institute of Technology, GA. *Optimal Transport on Graphs with Applications in Robotics.*

In this talk, I will present the optimal transport theory on discrete spaces. Various recent developments related to free energy, Fokker-Planck equations, as well as Wasserstein distance on graphs will be presented, some of them are rather surprising. Applications in robotics will be demonstrated. (Received January 26, 2019)