

***Poisson dynamics: Simulation and Learning***

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In this talk, we will present a method to construct geometric integrators for general nonlinear Poisson manifolds, i.e., numerical methods that preserve the underlying Poisson geometry. Finally, for a particular class of Poisson systems we will show how to approximate the solutions using machine learning techniques.

[\[link to pdf\]](#) [\[back to Numdiff-17\]](#)