

Second International Conference “Mathematics Days in Sofia”  
July 10–14, 2017, Sofia, Bulgaria

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## Foliations, Symplectic Structures, and Potentials

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**Keywords:** derived geometry, quantization, symplectic geometry, Chern-Simons theory

I will explain how Lagrangian foliations in shifted symplectic geometry give rise to global potentials. I will give natural constructions of isotropic foliations on moduli spaces and will discuss the associated potentials. I will also give applications to the moduli of representations of fundamental groups and to non-abelian Hodge theory. This is based on joint works with Calaque, Katzarkov, Toen, Vaquié, and Vezzosi.

**Acknowledgements.** Supported in part by NSF grant DMS 1302242 and by Simons Foundation grant 347070.