

# Cosmic Cartography 2022: Exploring the Cosmic Web and Large-Scale Structure



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## Galaxy intrinsic alignment in large scale structure

*Tuesday, 8 March 2022 14:40 (20 minutes)*

The intrinsic alignment of galaxy shapes and spins originate from large-scale tidal field, which is a main contamination of the cosmic shear analysis. However, galaxy intrinsic alignment also carries useful information about both large scale tidal field and galaxy evolution. I will introduce how to exploit galaxy intrinsic alignment as a probe in the context of incoming surveys.

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**Session Classification:** Day 2 Afternoon