Tony Pantev:Â Shifted deformation quantization

I will review shifted symplectic and Poisson structures in derived geometry and will explain how these structures can be constructed on moduli stacks. I will discuss several explicit examples and will show how formal geometry helps in relating non-degenerate shifted Poisson structures and shifted symplectic structures. I will review the quantization problem in derived geometry and will explain how shifted symplectic structures with non-zero shifts can always be quantized.