

---

**DAN WANG**, IST, University of Lisbon  
*Geometric Quantization on Toric Varieties*

Geometric quantization on symplectic manifolds plays an important role in representation theory and mathematical physics, deeply relating to symplectic geometry and differential geometry. A crucial problem is to understand the relationship among geometric quantizations associated with different polarizations. In this talk, we will discuss the quantum spaces associated with mixed polarizations and the large limit of quantum spaces on toric varieties.