

## **SCHAUDER ESTIMATE ON CONICAL SPACE**

**Speaker: Gui YaoTing**  
**University of Science and Technology of China**

**Time: Mon, Dec. 16, 10:00-12:00**

**Venue: Room 102, Shanghai Center for Mathematical Sciences**

**Abstract:** We give a characteristic of a smooth structure on conical space and use it to present a proof of Schauder estimate on conical space. We generalize Donaldson's Schauder estimate on space with conical singularities in two direction. One is that we allow the total cone angle to be larger than  $2\pi$  and the other is that we discuss the higher order estimate.