Contribution ID: 9

## **Reflexive modules and Auslander-Gorenstein rings**

Friday, 22 December 2023 16:30 (30 minutes)

Motivated by the theory of non-commutative resolutions and the results on Auslander correspondence, we study the category of reflexive modules over (commutative or non-commutative) Noetherian rings. One wellestablished sufficient condition for this category to behave well is that the ring should be (commutative) normal. We will explain that these nice behaviors are governed by the Auslander-type conditions which are some requirements on the minimal injective resolution of the ring.

Presenter: HANIHARA, Norihiro (Tokyo)