# CASTS TALKS

## CASTS Algebraic Geometry Summer Program

*Smooth base change theorem*

Jhan-Cyuan Syu

2018 - 08 - 15 (Wed.)
11:30 - 12:30
103, Mathematics Research Center Building (ori. New Math. Bldg.)

As a continuation of the previous talk "Proper Base Change Theorem", we will prove the smooth base change theorem. In this talk, we can see how proper base change plays a role in the reductive steps of our proof. Another point of this talk is that we will introduce the notion "local acyclic morphisms", which occupy a crucial part of the proof.