

## **abstract**

COMPLEX ALGEBRAIC GEOMETRY

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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Main conjectures of (log) MMP are: A) existence of flips, B) termination of flips, and C) finite generation, all of which were settled by 1992 in dim 3 by Mori, Shokurov, Kawamata, Kollár et al. In dim 4, A was done by 2005 due to Shokurov and Hacon-McKernan.

I will explain the following new results: B in dim 4 under a mild assumption, A and C in dim 5 in general. This is a joint work with Hacon and Kawamata.