

SPEAKER: Jun-Muk Hwang (Korea Institute for Advanced Study, Seoul, Korea)

TITLE: **Variety of minimal rational tangents of codimension 1**

ABSTRACT: We prove that if the VMRT at a general point of a uniruled projective manifold X of dimension at least 4 is a smooth hypersurface, then the VMRT-structure is locally flat. This shows that X is birational to the quotient of an explicit rational variety by a finite group action. As an application, we show that, if furthermore X has Picard number 1, then X is biregular to a hyperquadric.