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Plenary Speaker

Name: Jun-Muk Hwang

Major Field: algebraic geometry and complex geometry

Date of Birth: October 28, 1963

Career

9/1999 - present: Professor, Korea Institute for Advanced Study, Korea

9/1996 - 8/1999: Assistant Professor, Seoul National University, Korea

9/1995 - 6/1996: Postdoc. Fellow, MSRI, U.S.A.

8/1993 - 8/1996: Assistant Professor, University of Notre Dame, U.S.A.

1993 Ph.D. (adviser: Y.-T. Siu) Harvard University, U.S.A.

Jun-Muk Hwang works on algebraic geometry and complex geometry. With his collaborator Ngaiming Mok, he has developed the theory of varieties of minimal rational tangents, which combines methods of algebraic geometry and differential geometry in the study of rational curves on algebraic varieties. He has applied this theory to settle a number of problems on algebraic varieties covered by rational curves, in particular, Fano varieties. He has also made contribution to other areas of complex algebraic geometry with various collaborators. They include the geometry of quotients of bounded symmetric domains and holomorphic Lagrangian fibrations

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