On algebraic invariance of plurigenera

Abstract:
A famous theorem of Y. T. Siu states that plurigenera of projective complex manifolds are invariant under deformation. The only known proof of this result uses deep techniques from complex analysis, which are not available in the algebraic category. In this talk, we will illustrate some recent progress toward an algebraic proof of Siu’s result, and explain how these methods can be used to prove analogous results in positive and mixed characteristic.

Special Note:
There will be a pre-talk at 4pm.

Host: James McKernan
Friday, October 25, 2019
4:30 PM
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