

**Title :** Entropy and dynamical degrees for meromorphic maps

**Abstract :** To each meromorphic self-map of a compact Kaehler manifold, we can associate a sequence of dynamical degrees which are bi-meromorphic invariants. A mixed version of the Hodge-Riemann theorem implies that this sequence is log-concave. We show that the topological entropy of the map is bounded by the logarithm of the maximal degree. We also study the maps preserving a fibration. As a consequence, we obtain that some class of "interesting" maps exists only on manifolds of Kodaira dimension 0 or minus infinity. A key point of the proof is a theorem on the regularization of positive closed  $(p,p)$ -currents. This talk is based on the works in collaboration with V.-A. Nguyen, N. Sibony and T.T. Truong.