Entire curves and rigidity in holomorphic dynamics

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Entire curves occur frequently in holomorphic dynamics as stable manifolds for automorphisms of compact Kähler manifolds, or as leaves of foliations by Riemann Surfaces. I will describe several instances of their rigidity : the Nevanlinna dd^c closed current associated to the curve is "fat", independent of the curve and is determined by the dynamics. I will also discuss analogies between Nevanlinna's theory and holomorphic dynamics.

The talk is based on Joint work with J.E. Fornaess and T.C. Dinh.

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