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An existence time estimate for Kahler Ricci flow and applications

In the talk I will discuss an existence time estimate for Kahler Ricci flow on non-compact manifolds, and related a priori estimates. I will discuss applications to the flow of unbounded curvature metrics in general, and also non-negatively curved Kahler metrics on C^n. Connections will be drawn to Yau's uniformization conjecture which states that a complete non-compact Kahler manifold with positive bisectional curvature is biholomorphic to C^n. The talk will is based on joint work with Luen Fai Tam and Ka Fai Li.