Abstract:
This talk is about the Ricci flow in dimension two, which is a conformal flow. Considered as conformal metrics, the flow can be reduced to a single evolution equation. From here, one can see the local existence of the flow with the given initial data. In 2-d, any Riemannian metric is Kaehler and then the flow can be formulated as the Kaehler-Ricci flow. Based on these formulations, I shall discuss some recent results of the 2-d Ricci flow and interesting arguments involved.