Title: Relative K\"ahler-Ricci flow and the Ricci iterations

Abstract: In this talk I would like to explain the fact that the Relative K\"ahler-Ricci flow preserves the semipositivity on the total space beyond the K\"ahler cone. The method uses the convergence of the certain Ricci iterations to the K\"ahler-Ricci flow and the decomposition of the Ricci iteration in terms of the dynamical systems of Bergman kernels. The main aim to prove such a semipositivity theorem is to prove the invariance of plurigenera in the case of the K\"ahler fibrations.