## Deforming Hermitian Metrics Houda Bellitir Abstract

These classes are intended as applications to the three advanced courses of the second week of this school by blending deformations of complex structures and special Hermitian metrics on compact complex manifolds. The deformation openness properties of strongly Gauduchon, Hermitiansymplectic and p-HS metrics will be treated, in part as guided exercises for the students, before Wu's deformation openness of the simultaneous occurrence of the dd-bar and balanced properties is presented. The major result of Kodaira and Spencer stipulating the deformation openness of the Kähler property of compact complex manifolds will also be revisited in a detailed analysis of its various proofs and consequences.