

# Holomorphic geometric structures on parallelizable manifolds

Sorin Dumitrescu (Université Nice Sophia Antipolis)

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This talk deals with the classification of compact complex manifolds bearing rigid holomorphic geometric structures. One can think at the following interesting examples of rigid geometric structures: holomorphic affine connections or holomorphic Riemannian metrics.

In particular, we will present a recent joint work with Benjamin McKay about the classification of locally homogeneous holomorphic geometric structures on complex tori and on complex parallelizable manifolds. For this result, our motivation came from Ghys classification of holomorphic codimension one foliations on complex tori.