## Frédéric Touzet: **Compact leaves of codimension one holomorphic foliations**

This talk is concerned with the study of codimension one foliations on projective/Kähler manifolds having a compact leaf (free of singularities). The embedding of this hypersurface in the ambient manifold can be investigated mainly through Ueda theory (order of flatness of the normal bundle) and through the holonomy representation (dynamics of the foliation in the transverse direction). We address in particular the following problems: existence of foliation having as a leaf a given hypersurface with topologically torsion normal bundle, study of foliations having a compact leaf whose holonomy is abelian (resp. solvable) and factorization results. This is a joint work with B. Claudon, F.Loray and J.V. Pereira.