**ALBERTO VERJOVSKY**, Instituto de Matematicas, Unidad Cuernavaca, Universidad Nacional Autonoma de Mexico Holomorphic dynamical systems whose orbit spaces give new examples of compact complex manifolds

We consider in  $\mathbb{C}^n$  a system of m commuting linear ODE (2m + 1 < n) given by m commuting matrices  $A_1, \ldots, A_m$ . Under some generic and arithmetic conditions, the (semi-stable) orbit spaces of the  $\mathbb{C}^m \times \mathbb{C}^*$  action generated by the commuting equations, together with the action of multiplication of scalars in  $\mathbb{C}^*$ , give compact, complex manifolds that fiber over toric varieties. We indicate the proof that every nonsingular toric variety is obtained this way.

In this talk I will describe joint work with Laurent Meersseman.