

The Borel map on compact sets of the complex space.

Paulo Cordaro
Universidade de Sao Paulo

In this talk I will recall the results we have obtained so far regarding the Borel map defined in the Fréchet algebra obtained by taking limits of holomorphic functions as well as their derivatives on a compact subset of \mathbb{C}^m . I shall state precisely some conjectures, I will recall that these conjectures are satisfied in the case $m = 1$ and that, in the general case, they also hold true for convex polyhedra. This is a joint project which has been carried out in collaboration with B. Lamel and G. Della Sala.
