

Roberto Giménez Conejero

**Title:** Feats and mysteries of holomorphic map germs

**Abstract:** Studying maps between manifolds is a self-motivating topic of research, as it is fundamental and general. Moreover, interesting properties arise when one provides an analytic structure to some object, so it is a good class of maps to study. Finally, in some cases, it is convenient to follow the mindset of *divide et impera* and divide a question into simpler problems to conquer some mathematical mysteries. This leads us to study holomorphic map germs.

We will see basic concepts of this theory; similarities between this and other theories and developments, as the real global case that Thom and Mather studied or hypersurfaces with isolated singularities; one of my fields of research, germs from  $\mathbb{C}^n$  to  $\mathbb{C}^p$  with  $n < p$ ; and some fundamental (in the sense of dealing with fundamental objects) theorems my PhD advisor, J.J. Nuño-Ballesteros, and me have attained.