Seminar on Geometric Function Theory
Meeting 82, 14th November 2011
lecture: **Maps of real-analytic CR manifolds**
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Starting with Poincarés observation, we will describe an approach to reconstructing maps between CR manifolds from their defining equation and finite-dimensional additional data. This will lead us to a theorem (joint work with R. Juhlin and G. Della Sala) which implies that the locus of points in a holomorphically nondegenerate, minimal real-analytic CR manifold which are biholomorphically equivalent to a given point is a locally closed, real-analytic sub manifold. We also give an outlook on a solution to the biholomorphic equivalence problem for minimal, holomorphically non degenerate CR manifolds based on the techniques developed in that paper.