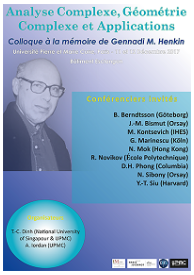

Contribution ID: **12** Type: **not specified**

Multidimensional inverse scattering problem

Tuesday, December 12, 2017 2:00 PM (50 minutes)

We give a review of old and recent results on the multidimensional inverse scattering problem related with works of G.M. Henkin. This talk is based, in particular, on the following references:
▸ G.M. Henkin, R.G. Novikov, The dbar-equation in the multidimensional inverse scattering problem, Russ. Math. Surv. 42(3), 109-180, 1987;
▸ G.M. Henkin, N.N. Novikova, The reconstruction of the attracting potential in the Sturm-Liouville equation through characteristics of negative discrete spectrum, Stud. Appl. Math. 97, 17-52, 1996;
▸ R.G. Novikov, The dbar-approach to monochromatic inverse scattering in three dimensions, J. Geom. Anal. 18, 612-631, 2008;
▸ R.G. Novikov, Formulas for phase recovering from phaseless scattering data at fixed frequency, Bull. Sci. Math. 139, 923-936, 2015.

Presenter: Prof. NOVIKOV, R. (École Polytechnique)