Lie Groups and Representation Theory Seminar at the University of Tokyo

DATE November 4 (Wed), 2009, 16:30–18:00

PLACE Room 128, Graduate School of Mathematical Sciences

SPEAKER **Gert Heckman** (IMAPP, Faculty of Science, Radboud University Nijmegen)

TITLE Birational hyperbolic geometry

ABSTRACT We study compactifications for complex ball quotients. We first recall the Satake–Bailey–Borel compactification and the Mumford resolution. Then we discuss compactifications of ball quotients minus a totally geodesic divisor. These compactifications turn up for a suitable class of period maps (related to the lecture of the speaker on friday on "Geometric structures").