

FMSP Lectures
at the University of Tokyo

SPEAKER **Simon Gindikin** (Rutgers University, USA)

(LECTURE I)

DATE December 4 (Wed), 2013, 15:00–16:30

PLACE Room 128, Graduate School of Mathematical Sciences

(LECTURE II)

DATE December 6 (Fri), 2013, 16:30–18:00

PLACE Room 118, Graduate School of Mathematical Sciences

TITLE Horospheres: geometry and analysis

ABSTRACT About 50 years ago Gelfand suggested a conception of horospherical transform which, he hoped, must be an universal principle unifying non commutative harmonic analysis. I want to make several historic remarks (especially, since this year is the centennial anniversary of Gelfand). I want to discuss the evolution of this fundamental conception for 50 years and how Gelfand's dreams are looked today. I will discuss an elementary case of hyperboloids of any signature where there were not too much progress after old initial result of Gelfand–Graev.