Lie Groups and Representation Theory Seminar at the University of Tokyo

DATE   November 2 (Tue), 2010, 16:30–18:00

PLACE   Room 126, Graduate School of Mathematical Sciences

SPEAKER   **Michael Eastwood** (Australian National University)

TITLE   Twistor theory and the harmonic hull

ABSTRACT   Harmonic functions are real-analytic and so automatically extend from being functions of real variables to being functions of complex variables. But how far do they extend? This question may be answered by twistor theory, the Penrose transform, and associated geometry. I shall base the constructions on a formula of Bateman from 1904. This is joint work with Feng Xu.