



Uniwersytet
Wrocławski

INSTYTUT MATEMATYCZNY UNIwersytetu WROCLAWSKIEGO

Zaprasza na specjalną sesję
Seminarium z Analizy Harmonicznej

17.06.2015

SALA WŚ

godz.15:00

na której odczyty wygłoszą:

Prof. Zbigniew Błocki (Uniwersytet Jagielloński)
Prof. Elias M. Stein (Princeton University)

Specjalna sesja Seminarium z Analizy Harmonicznej - program

15.00 – 16.00 ZBIGNIEW BŁOCKI

“Bergman kernel and complex invariant metrics in convex domains”.

STRESZCZENIE: The Bergman kernel has many applications in complex analysis of several variables and complex geometry. It turns out that it can also be useful in other areas, e.g. convex analysis and geometry. We will discuss general bounds for this kernel in convex domains in C^n . One of the applications is related to the recent Nazarov complex analytic approach to the Mahler conjecture and the Bourgain–Milman inequality from convex analysis.

16.00 – 17.00 ELIAS M. STEIN

“The Cauchy–Szegő projection: L^p estimates for domains in several complex variables under minimal smoothness assumptions”.

STRESZCZENIE: We will present recent results guaranteeing the L^p regularity, $1 < p < \infty$, of the Cauchy–Szegő operator in the context of strongly-pseudo-convex domains, whose boundary is of class C^2 . This is joint work with L. Lanzani.