

UNIVERSITY OF PUERTO RICO
RIO PIEDRAS CAMPUS
FACULTY OF NATURAL SCIENCES
DEPARTMENT OF MATHEMATICS

Seminar

Continuity in G^{LUC}

Dr. Yevhen Zelenyuk
School of Mathematics
University of the Witwatersrand
Johannesburg, South Africa

Abstract: Every locally compact group G has a largest semigroup compactification, denoted G^{LUC} . For every $p \in G$ and $q \in G^{LUC}$, the multiplication in G^{LUC} is continuous at (p, q) (Ellis 1957), and for every $p \in G^* = G^{LUC} \setminus G$, the left translation by p in G^* is discontinuous (Protasov and Pym 2001). We shall discuss the question whether there are $p, q \in G^*$ such that the multiplication in G^{LUC} is continuous at (p, q) or the left translation by p in G^* is continuous at q .

Date: Wednesday April 9, 2014
Time: 11:30 AM
Room: A-207