Abstract
Joint work with D. Bravo (UdelaR-Uruguay) and Octavio Mendoza (UNAM - México).

Starting with the definition of *Igusa - Todorov functions* (homological generalisation of projective or injective dimension) [IT], I will follow by explaining the concept of *Igusa - Todorov algebra* [W].

After Generalising some of the results of [W2], we apply to obtain necessary and sufficient conditions for a triangular matrix R-algebra be a *n-Igusa-Todorov algebra*.

