SEMINARIO

SISTEMAS DINÁMICOS

PRIMERA SESIÓN $16:00 - 17:00$ **HRS.**

EXPOSITOR

Ilkka Toma
Universidad de Turku, Finlandia

TITULO
Playing with Subshifts

ABSTRACT:

We study the class of word-building games, where two players pick letters from a finite alphabet to construct a finite or infinite word. The outcome is determined by whether the resulting word lies in a prescribed set (a win for player A) or not (a win for player B). We focus on symbolic dynamical games, where the target set is a subshift. We investigate the relation between the target subshift and the set of turn orders for which A has a winning strategy.

17:00 - 17:20: Coffee-break

SEGUNDA SESIÓN $17:20 - 18:20$ **HRS.**

EXPOSITOR

Ville Salo
Universidad de Turku, Finlandia

TITULO
Block Maps between Primitive Uniform and Pisot Substitutions

ABSTRACT :

We prove that for all pairs of primitive Pisot or uniform substitutions with the same dominating eigenvalue, there exists a finite set of block maps such that every block map between the corresponding subshifts is an element of this set, up to a shift. This result is proved using a common generalization of block maps and substitutions, which we call dill maps.

Lunes 25 de noviembre del 2013 a contar de las 16 : 00 hrs. Sala de Seminarios CMM, Séptimo Piso.