Departamento de Computación

UNIVERSIDADE DA CORUÑA

On *Friday, November 4th, 2016, 12:30,*
at the **Aula de Graos Víctor Gulías**
(Facultade de Informática, Campus de Elviña, A Coruña),

Dr.
Anssi Yli-Jyrä
(University of Helsinki)
will give the following **invited talk**:

Towards a language theory of multistrings with relevance to linguistic structures and semantics

Abstract:

Classical formal language theory is concerned with string sets. Between string sets and string relations there are interesting kinds of sets that consist of aligned multistrings. The aligned multistrings may be generated by an infinite code, instead of a classical finite alphabet. Regular closure of these strings is closed under all Boolean operations, unlike regular relations. Also some other interesting operations are defined over these sets.

The applied section of the talk overviews linguistic relevance of multistring relations. The applications include phonological representations, morphological relations, syntactic codes, and coreferential annotation, text alignment and semantics. The applications suggest that multistrings are a natural class of objects prompting further research.