Seminari Informal
de Matemàtiques de Barcelona

Speaker: Guillem Sala Fernández.
University: Universitat Politècnica de Catalunya.

Date: Wednesday, 18th of December.
Schedule: 12:00, *coffee break (be eco friendly, bring your cup)*; 12:20, talk.
Place: B1 classroom, *Facultat de Matemàtiques i Informàtica* of UB.
Language: English.

Title: $(\infty-)$Categories, Homotopy Theory, and a $20,000-$year old problem

Abstract: The Ishango bone is the oldest tally stick that has been found up to this day. This 20,000 year-old archaeological trophy represents the first piece of evidence of humans doing homotopy theory. Unfortunately, few are aware that this is the case, and prefer to label it as the first piece of evidence of "counting". The goal of this talk is to illustrate how category theory, or more generally, higher dimensional category theory, provides the right setting to adress this 20,000 year-old problem. Only knowledge of the natural numbers will be assumed.

About us: The SIMBa is a young seminar organized by students of the Faculties of Mathematics and Computer Science of Barcelona. It is aimed at doctoral, master's degree students and, also, for those who are in the last grade courses. Our goal is that each one can make known the research which they are doing, as well as, to get new knowledge of other areas of mathematics than his own..

Fore more information, visit at `www.ub.edu/simba/en/`.

If you have any doubt or comment, do not hesitate to contact us by sending an email to *seminari.simba@ub.edu*.