DIMITRI ARA, Radboud Universiteit Nijmegen
On higher quasi-categories

In this talk we will discuss a new model for (∞, n)-categories: the n-quasi-categories. The n-quasi-categories are defined as the fibrant objects of a model structure on the category of presheaves on the category Θ_n of Joyal. For $n = 1$, the notion coincide with the usual quasi-categories. We will compare these n-quasi-categories with the Θ_n-spaces of Rezk. These two models are canonically related in a sense that we will make precise. In particular, we will get two Quillen equivalences between these model structures. For n $= 1$, we recover the two Quillen equivalences between quasi-categories and complete Segal spaces defined by Joyal and Tierney.