

We will continue online on Thursday, **September 10, at 1pm on [ZOOM](#) platform** (for information how to access seminar and next programme visit

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) by the talk:

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Gray tensor products and lax functors of $(\square, 2)$ -categories

Abstract:

We give a definition of the Gray tensor product in the setting of scaled simplicial sets which is associative and forms a left Quillen bifunctor with respect to the bicategorical model structure of Lurie. We then introduce a notion of oplax functor in this setting, and use it in order to characterize the Gray tensor product by means of a universal property. A similar characterization was used by Gaitsgory and Rozenblyum in their definition of the Gray product, thus giving a promising lead for comparing the two settings. This is a report on joint work with A. Gagna and Y. Harpaz.