

We will continue online on Thursday, **October 15th, at 1pm on [ZOOM](#) platform** (for information how to access seminar and next programme visit

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) by the talk:

**Taichi Uemura**

## **The universal exponentiable arrow**

Abstract:

Cartmell showed that the category of generalized algebraic theories is equivalent to the category of contextual categories. This implies that the theory of generalized algebraic theories is essentially algebraic. We characterize the essentially algebraic theory of generalized algebraic theories as the free category with finite limits and with an exponentiable arrow.

The main theorem and a syntactic proof are found in arXiv:2001.09940. In this talk we give a semantic proof.