EVANGELIA ALEIFERI, Dalhousie University
Spans as Cartesian Double Categories

In this talk, we give a characterization of the double category of Spans as a Cartesian double category. We say that a double category $\mathbb{D}$ is Cartesian if the diagonal double functor $\Delta : \mathbb{D} \to \mathbb{D} \times \mathbb{D}$, and the unique double functor $! : \mathbb{D} \to 1$, have right adjoints. This work was motivated by a characterization of the bicategory of Spans, that was given in *Bicategories of spans as cartesian bicategories* by Lack, Walters, and Wood.