Commuting squares in 2-categories

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Commuting square played a fundamental role in subfactor theory from the very beginning. It is still the most efficient way of building hyperfinite subfactors. To a subfactor, there is an associated category of bimodules and intertwiners which encodes the standard invariant. In this talk, I will give a category theoretic perspective to {\em commuting squares} in their own merit (i.e., independent of any subfactors). This is based on a joint work with Mainak Ghosh, Shamindra Ghosh and Corey Jones.

Bio: Paramita Das is a mathematician working in the Indian Statistical Institute, Kolkata. She did her Ph.D in 2004 under the supervision of Vijay Kodiyalam and held post-doctoral positions in Vanderbilt University and K U Leuven. Her area of research is Planar Algebras, Subfactors and C* Categories