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*A (Pr)operad of (Pr)operad algebras*

In this talk we present a construction which takes a coloured operad  $\mathcal{O}$  and small category  $\mathcal{C}$ , and produces a corresponding coloured operad  $\mathcal{O}^{\mathcal{C}}$ , whose algebras are  $\mathcal{C}$ -shaped diagrams of  $\mathcal{O}$ -algebras. We then give an analogous construction for properads.