

The aim of the present talk is to prove the rationality of the universal family of polarized K3 surfaces of degree 14. This is achieved by identifying it with the moduli space of cubic fourfolds plus the data of a quartic scroll. The last moduli space is finally proved to be rational since it has a natural structure of  $\mathbb{P}^n$ -bundle over a  $k$ -stably rational variety with  $k \leq n$ .