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### **Some fractional differential systems**

In this talk, we will explain how to interpret and solve some differential equations driven by a fractional Brownian motion, by means of a variant of the rough path theory introduced by Gubinelli. After recalling the main features of this approach, we will explain how to change the basic rough path setting in order to handle delay and Volterra equations in a rather elementary way. Then (if time allows it) we will deal with the case of stochastic PDEs driven by an infinite dimensional fractional Brownian motion.