On-line input identification, Active Noise Cancellation and heat equations with memory

Abstract

In this talk we give an overview of a recent method for on-line input identification, which can be used for Active Noise Cancellation. We then present recent results on heat equations with memory, concerning the identification of a Riesz systems naturally associated to such equations. Finally we discuss the applicability to such equations of the on-line input identification method presented in this talk.