

Wednesday 14th march

Speaker: Aris Moustakas, National and Capodistrian Universtiy of Athens, Greece

Title: Applications of Statistical Mechanics to Information Theory

Abstract:

In this tutorial we will describe the similarities between problems in statistical mechanics and information theory of CDMA and MIMO systems. The similarities of the tools used in the two fields, such as random matrix theory and replicas will be emphasized and the solution to a few representative problems will be demonstrated.