

## **AVVISO DI SEMINARIO**

**Sala A - 14 settembre 2023 - ore 15:00**

### ***Conductivity and Resistive Switching in nano particles incorporated polymers and bio degradable polymers***

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Polymers are usually non conducting. By incorporating certain nano particles one can make these polymers conducting. Further, one can actually observe an interesting phenomenon, namely 'resistive switching' between high and low resistive states, upon the application of a very small voltages in these nano particle incorporated polymers, enabling us to develop a memory device, called ReRAM. More interesting is resistive switching in nano particle incorporated bio degradable and bio compatible polymers. These bio/eco friendly ReRAMs shall be of great interest for control of electronic waste. Here we shall present to you, our group work at UNISA, on the development of these ReRAMs.