

## **Presentation of CMNR's $\mu$ Robotex station, handling carbon nanotubes and measuring flexoelectricity**

*Tuesday 20 June 2023 15:55 (30 minutes)*

As part of a study on the properties of carbon nanotubes, we are going to briefly present the micro-Robotex station, which consists of a Zeiss Auriga 60 scanning electron microscope, on which are installed a Focused Ion Beam-FIB from Orsay Physics, a Gas Injection System-GIS from Oxford Instrument, and a robot with 6 degrees of freedom installed inside the vacuum chamber. By manufacturing suitable tools, we can present a preliminary study to detect and characterise the principle of flexoelectricity of CNT using brightness measurements. Some key results from the micro-Robotex station will also be presented.

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**Session Classification:** Manipulation