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SEMINAR

# “Advancing Materials Characterization Through International Collaboration: Insights from UCD and UniSs”

**30 July 2025 - 15:30**

**Lecture Room 5, Department of Chemical, Physics, Mathematics and Natural Science, Via Vienna, Sassari**

This seminar will highlight the mutual benefits of international collaboration in the field of materials science, with a focus on the knowledge exchange between the University of Sassari and the UCD School of Engineering and Materials Science. The talk will explore available facilities in X-ray diffractometry, mechanical and thermal testing, spectroscopic methods, and advanced sample preparation for microstructural characterisation. Drawing on examples from both institutions, I will discuss shared challenges and evolving best practices in energy systems, medical device materials, ceramic technologies, and chemical analysis. The seminar will also reflect on how mobility opportunities like Erasmus+ can support research excellence, promote institutional internationalisation, and accelerate the adoption of modern techniques in teaching and research.

**Speaker: Dr. Ehsan Rezvani**

Contact: [ehsan.rezvani1@ucd.ie](mailto:ehsan.rezvani1@ucd.ie); [sgarroni@uniss.it](mailto:sgarroni@uniss.it);