UM6P | MSN Materials Science, Energy and Nano-Engineering

Certificate of Attendance

This is to certify that:

Ait Lamine Lahcen

Attended the tutorials conducted as part of the International Symposium on Advanced Coatings & Applications (ISACApp 2025), organized by the Materials Science, Energy, and Nanoengineering department at University Mohammed VI Polytechnic. The event took place from February 21 to 23, 2025, in Benguerir, Morocco.

The tutorials focused on the following topics:

- **Module 1:** Introduction to surface science
- **Module 2:** Control of microstructure evolution during sputter deposition
- **Module 3:** Recent progress in thin-film photovoltaics
- **Module 4:** Holistic approach to optical and multifunctional coatings
- **Module 5:** Coating materials design
- **Module 6:** Principles and application of plasma diagnostic tools for understanding film growth

The tutorials are equivalent to 18 hours of coursework.

ISACApp Chairs

Prof. Jones ALAMI

Prof. Mohammed MAKHA