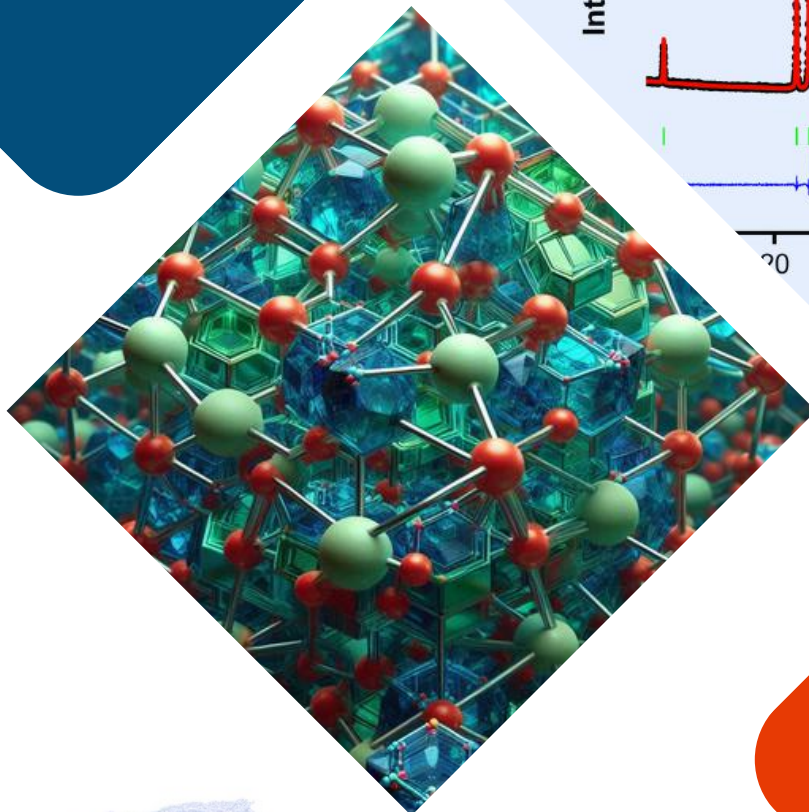
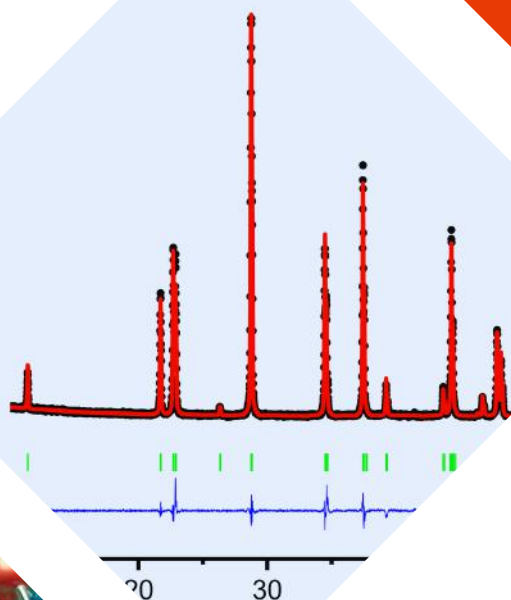


AFRICAN RIETVELD SCHOOL



Intensity (a.u.)



20
25

Advanced Rietveld Refinement of Crystal and Magnetic Structures

Using FullProf Software:

Practical Challenges and Solutions



April 15-17, 2025



UM6P, Benguerir, Morocco




For More
Information



Tutorials and workshops session: 8h30-19h00

DAY 1




TUESDAY
15 APRIL 2025

- 8h30-9h00 **Registration and Icebreaker**
- 9h00-10h00 **Opening Ceremony and the importance of Rietveld refinements**
Pr. Abdessamad FAIK (Head of LIMSET, UM6P)
- 10h00-10h30 **Refinement of crystal structures on Powders**
Pr. Abdeslam EL BOUARI, FSBM/LIMSET-UM6P
- 10h30-10h45  **Coffee Break /Posters session**
- 10h45-11h15 **Structural Refinement of Powdered Materials: A Key Tool for Materials Science**
Pr. M'hamed OUBLA,UM5-Rabat
- 11h15-12h30 **Overview of the FullProf Program: Steps to Rietveld refinement**
Dr. Asmaa AKHROUF, LIMSET-UM6P
- 12h30-13h00 **Oral Communications**
- 13h00-14h30  **Lunch Break**
- 14h30-16h30 **Rietveld refinement: Tutorial 1**
Pr. Abdeslam EL BOUARI, FSBM/LIMSET-UM6P
Dr. Zakaria CHCHIYAI, LIMSET-UM6P
- 16h30-16h45  **Coffee Break /Posters session**
- 16h45-19h00 **Rietveld refinement: Tutorial 2**
Pr. M'hamed OUBLA,UM5-Rabat
Dr. Siham IDRISSE, LIMSET-UM6P
Dr. El Houcine LAHRAR, LIMSET-UM6P

Workshops session: 9h00-19h00

DAY 2



WEDNESDAY
16 APRIL 2025

- 9h00-10h30 **Rietveld refinement: Microstructure, Bond-Valence, Size and strain effects, Practical demonstrations...**
Pr. Juan RODRÍGUEZ-CARVAJAL, ILL, France
- 10h30-10h45  **Coffee Break /Posters session**
- 10h45-13h00 **Rietveld Refinement of Multiphase Systems: Tutorials**
Pr. Juan RODRÍGUEZ-CARVAJAL, ILL, France
- 13h00-14h30  **Lunch Break**
- 14h30-16h00 **Introduction to the Automatic Rietveld Refinement: FullProfAPP**
Pr. Juan RODRÍGUEZ-CARVAJAL, ILL, France
- 16h00-16h45  **Coffee Break /Posters and Oral communications**
- 16h45-19h00 **Tutorials with FullProfAPP**
Pr. Juan RODRÍGUEZ-CARVAJAL, ILL, France

Workshops session: 9h00-13h45

DAY 3

THURSDAY
17 APRIL 2025

- 9h00-11h00 **Refining crystal structures using symmetry mode crystallography: AMPLIMODES+ Fullprof**
Pr. Josu M. IGARTUA, UPV/EHU-Basque Country
- 11h00-11h15  **Coffee Break /Posters session**
- 11h15-13h15 **Refinement of magnetic structures**
Pr. Irene URCELAY, UPV/EHU-Basque Country
- 13h15-13h45 **Closing remarks and Awarding**
Pr. Abdessamad FAIK (Head of LIMSET, UM6P)
- 13h45-15h15  **Lunch Break**
- 15h15-17h00 **Visit to UM6P University and LIMSET Laboratories**