

# Openlab : powder diffraction , theory and hands on

Accra January 28<sup>th</sup> to February 2<sup>nd</sup> 2018

January 28<sup>th</sup>

8.45	Welcome address	C. Lecomte ( CRM2 , Univ Lorraine )
9.00 -10.30	Diffraction physics	G. Artioli ( Univ Padova )
10.30 -11.00	coffee break	
11.00 -13.00	Introduction to powder diffraction geometry and instrumentation	G. Artioli ( Univ Padova )
13.00-14.00	lunch	
14.00-15.30	Introduction to Pair Distribution Function Analysis(PDF)	E. Bendeif ( CRM2 , Univ Lorraine )
15.00-17.00	Powder neutron diffraction and applications	F. Porcher (LLB , Saclay
17.00-17.30	coffee break	
17.30-19.00	Introduction to hands on / Presentation of the Bruker D2 diffractometer	Damien Cochet ( Bruker )

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9h.00 18 :00

Hands on demonstration

Damien Cochet ( Bruker )

All participants are supposed to bring their own materials to be analyzed during the hands on sessions