



Brunel University London (Experimental Techniques Centre with the collaboration of BCAST) is pleased to offer a 4 days residential course on X-Ray diffraction with international experts on advanced theoretical and practical course. The course content

X-Ray Diffraction: Structure and Texture

Program

	Morning	Afternoon
17/09	Theory of Powder Diffraction (PD) Monica Dapiaggi & Matteo Leoni 4h theory	GSAS2 software (PD) Monica Dapiaggi 1h lecture 3h tutorial
18/09	TOPAS software (PD) Matteo Leoni 1h lecture 3h tutorial	Single crystal X-Ray diffraction Chris Frampton 1h equipment Single crystal X-Ray diffraction Chris Frampton, Michele Zema 3h Theory and practice
19/09	Single crystal X-Ray diffraction Chris Frampton 2h <i>ab initio</i> structure determination Single crystal X-Ray diffraction Michele Zema 2h In situ analyses	Single crystal X-Ray diffraction Chris Frampton, Michele Zema 2h Sample preparation Single crystal X-Ray diffraction Chris Frampton, Michele Zema 2h Practical set-up
20/09	MAUD software (PD) Luca Lutterotti 2h lecture 2h tutorial	MAUD software (PD) Luca Lutterotti 2h lecture 2h tutorial

Speakers

Monica Dapiaggi Associate Professor at University of Milan, has a long experience in XRD, PDF, FTIR, Raman, DSC, TGA, SEM, TEM, EDS, EPR, XPS, NMR, and more.