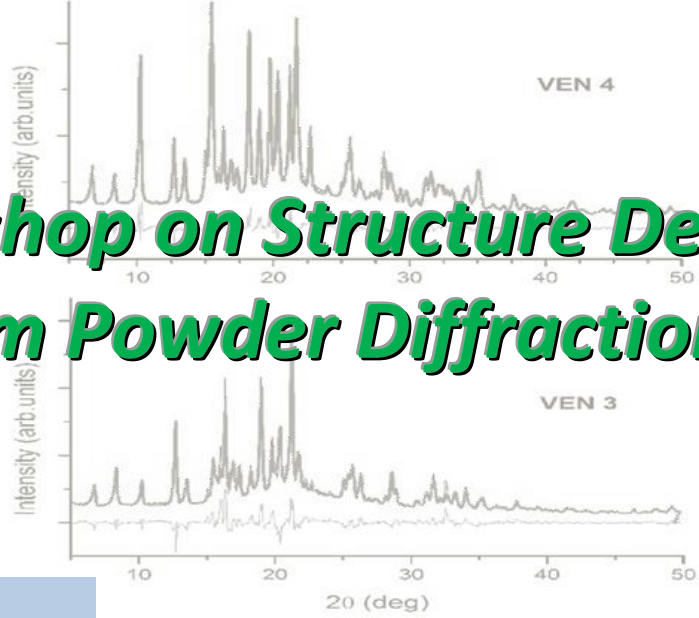


1st Workshop on Structure Determination from Powder Diffraction data



Dr. Norberto Masciocchi
(Insubria, Italy)

Florianópolis, Brazil,
8-12 December 2014
Room 114 Physics Department
UFSC



Dr. Bill David (Oxford, UK)

	08 Monday	09 Tuesday	10 Wednesday	11 Thursday	12 Friday
8:00	Welcome	BRUKER	TOPAS	Capabilities	Applications
9:00		Coffee Break			
9:30	Basics of Powder Diffraction and Conventional Instrumentation, (theory) 3 hours	Space group determination and LeBail fit: 1,5 hours (theory + demo)	Quantitative Analysis: 3 hours (theory + exercises with QUANTO)	Synchrotron and Neutron sources Instrumentation (Theory) 3 hours	hands-on DASH 3 hours
11:00		Structure solution process: 1,5 hours (theory + demo)			
12:30 – 14:30 Lunch Time					
14:30	Powder Indexing: (theory + exercises with WINPLOTR (Treor and DICVOL)) 3 hours	Structure solution process: 1,5 hours (theory + demo)	Debye Function Approach to Nanocrystals: 3 hours (theory + exercises with QUANTO)	Automatic indexing/space group determination procedures (Theory+demo with DASH) 1,5 hours	Local Structure (Theory+demo with TOPAS) 3 hours
16:00		Structure refinement: 1.5 hours (theory + demo with TOPAS)		hands-on DASH 1,5 hours	
17:30					
17:30	Coffee Break				
18-19	BRUKER	D2 Phaser®	Capabilities	Applications	



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<http://pcemc.ufsc.br/>

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