

To.Sca.Lat 1.0: Total Scattering Analysis for nanoScience in Latin America

December 10th-14th, 2018

Florianópolis, Santa Catarina, Brazil



Chair: Carlos Eduardo Maduro de Campos (FSC – UFSC)

Scientific Program Committee

Carlos E. Maduro de Campos

Matteo Leoni

Norberto Masciocchi

Antonella Guagliardi

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Timing	Monday, Dec 10 th	Tuesday, Dec 11 th	Wednesday, Dec 12 th	Thursday, Dec 13 th	Friday, Dec 14 th
9:00	Welcome & Registration	<i>Parallel Hands-on Session</i> TOPAS, WPPM, PM2K Masciocchi. Leoni	<i>Parallel Hands-on Session</i> Debussy, PDFGui Guagliardi, Bertolotti	<i>LNLS/Sirius Past and Future of the Brazilian Light Sources</i> Alexandre M.G. Carvalho	<i>Parallel Hands-on Session</i> TOPAS, WPPM, PM2K Masciocchi. Leoni
9:30					
10:00					
10:30					
11:00	Coffee Break				
11:30	<i>Introduction to Powder Diffraction</i> Norberto Masciocchi	<i>Parallel Hands-on Session</i> TOPAS, WPPM, PM2K Masciocchi, Leoni	<i>Parallel Hands-on Session</i> Debussy, PDFGui Guagliardi, Bertolotti	<i>The DIFFaX+ code Refinement of Faulted & <3D Periodic Structures (+ DEMO)</i> Matteo Leoni	<i>Parallel Hands-on Session</i> TOPAS, WPPM, PM2K Masciocchi. Leoni
12:00					
12:30					
13:00	<i>Introduction to Total Scattering Analysis</i> Antonella Guagliardi				
13:30	Lunch				Question Time & Closing
14:00					
14:30					
15:00	<i>Powder Diffraction for Structural Analysis</i> Norberto Masciocchi	<i>The Debye Scattering Equation for NanoMaterials</i> Antonella Guagliardi	<i>Parallel Hands-on Session</i> Debussy, PDFGui Guagliardi, Bertolotti	<i>Total Scattering Analysis for NanoScience: an Overview</i> Antonella Guagliardi	
15:30					
16:00					
16:30	<i>Powder Diffraction for Microstructural Analysis</i> Matteo Leoni	<i>Atomic Pair Distribution Function Method</i> Federica Bertolotti		Scientific Presentations by Young Attendees	
17:00					
17:30					
18:00	Software Installation	Software Installation			
18:30					

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