

## SATELLITE EVENT: V LACA SCHOOL

*Polymorphism: applications in industry*

**Date:** December 01 to 03, 2022

**Modality:** hybrid (virtual or in-person)

**Venue:** Multipurpose Room, National Center for High Technology (CeNAT) Pavas, San José, Costa Rica.

**Registration form:** <https://forms.gle/PtaeKxh83UuH5a5R9>

**Deadline for registration and scholarship application:** November, 20<sup>th</sup>

**Investment:**

Students \$US70\*

Young researchers, postdocs, and others \$US 100\*

**\*Scholarships available.** Interested parties should send a letter of motivation indicating their interest in participating to the email: [aaraya@cenat.ac.cr](mailto:aaraya@cenat.ac.cr)

### PROGRAM

Time	Thursday	Friday	Saturday
8:30-10:00	Opening Ceremony Hanna A. Dabkowska (IUCr) José Reyes-Gasga (LACA) Andrea Araya (V-LACA)	Application of powder X-ray diffraction to the analysis of polymorphism in pharmaceuticals (Fabio Furlán-Ferreira)	Polymorph Data Mining in the PDF-4/Organics (ICDD: Tom Blanton/JMDelgado)
10:00-10:30	<b>Break</b>		
10:30-12:00	General Introduction to Polymorphism (Jennifer Swift)	Polymorphism in Pharmaceuticals – Structure Determination (James Kaduk)	Polymorph Data Mining in the PDF-4/Organics-Demo (ICDD: Tom Blanton/JMDelgado)
12:00-13:30	<b>Lunch</b>		
13:30-15:00	Solid-state characterization techniques: Single-Crystal and Powder Diffraction (G. Díaz de Delgado)	Solid-state characterization techniques: spectroscopic and thermal analysis techniques (Alejandro P. Ayala)	Phase Transitions (Serena Tarantino)
15:00-15:30	<b>Break</b>		
15:30-17:00	Introduction to the CSD (Natalia Álvarez/Graciela Díaz de Delgado)	Polymorphism in Minerals and Inorganic Materials (Michele Zema)	Polymorphism in the Courtroom - Legal aspects (Jim Kaduk) Closing remarks
17:00-18:30	CSD tools for polymorph assessment and prediction (Suzanna Ward and Ilaria Gimondi / CCDC)	Polymorphism in Nanomaterials (Diego Lamas)	

**Event sponsored by**



The Organizing Committee of the V Meeting of the LACA and its Satellite event V LACA School: Polymorphism: applications in the industry are committed to promoting gender equality and diversity avoiding all types of discrimination between and towards the actors involved in the events as requested by the International Union of Crystallography (IUCr). More details can be found at <https://www.iucr.org/iucr/governance/advisory-committees/gedc>