

IEEE NanoPeru 2023: Trends in Nanoscience and Nanotechnology

IN: in-person mode, ON: online mode

Time (GMT-5)	Tuesday 03.10	Wednesday 04.10	Thursday 05.10	Friday 06.10
08:00-08:30	Registration			
08:30-09:00	Opening remarks			
09:00-09:50	Ivan S. Oliveira (ON) <i>CBPF, Brazil</i> NMR Quantum Thermodynamics	Arezoo Dianat (ON) <i>TU Dresden, Germany</i>	Alice Allen (IN) <i>Los Alamos NL, USA</i> Learning together: Towards foundational models for machine learning interatomic potentials with meta-learning	María Quintana Caceda (IN) <i>UNI, Peru</i> Graphene: Obtention and application in Chemical industry
09:50-10:30	Mónica C. García (ON) <i>UN Cordoba, Argentina</i>	Elena Sturm (ON) <i>LMU München, Germany</i>	Mev Domínguez Valentin (ON) <i>Institute for Cancer Research, Norway</i> Medicina personalizada en cancer hereditario	Kamala Kanta Nanda (IN) <i>PUCP, Peru</i> Decarbonization of the Chemical Industries Through Electrocatalysis
10:30-10:50	coffee break			
10:50-11:30	Leonardo Medrano Sandonas (IN) <i>Uni Luxembourg, Luxembourg</i> Towards Computational Design of Molecules with Desired Properties	Poster Session	Abel Alcazar (ON) <i>HH-Universität Düsseldorf, Germany</i> Manipulación del citoesqueleto humano por medio de una proteína bacteriana	Jorge Andres Guerra (IN) <i>PUCP, Peru</i>
11:30-12:10	Simón Poblete (IN) <i>Fundación Ciencia & Vida, Chile</i> Computational Modelling of Nucleic Acid Structures Across Different Levels of Resolution		Julio Larrea Jiménez (IN) <i>University of São Paulo, Brazil</i> Designing Quantum materials in realistic platforms	Carlos Landauro Saenz (IN) <i>UNMSM, Peru</i>
12:10-12:25	CT1		CT7	Closing remarks
12:25-12:40	CT2		CT8	
12:40-13:40	Lunch			
13:40-14:30	Murilo A. Romero (ON) <i>University of São Paulo, Brazil</i> Physics-Based Compact Modeling of Nanoelectronic Devices	James E. Morris (ON) <i>Portland State University, USA</i> Electrical Conduction in Discontinuous Metal Films Revisited	Álvaro Vázquez Mayagoitia (ON) <i>Argonne NL, USA</i>	Mini-courses 2 and 3
14:30-15:10	Valentina Martelli (IN) <i>University of São Paulo, Brazil</i> Thermal transport in Barium Bismuthate: from bulk to thin films	Juan Carlos Gonzalez (ON) <i>UNMSM, Peru</i>	Gretty Villena Chavez (IN) <i>UNALM, Peru</i>	
15:10-15:25	CT3	CT5	CT9	
15:25-15:40	CT4	CT6	CT10	
15:40-16:00	coffee break			
16:00-16:40	Mini-course 1	Nahuel Freitas (IN) <i>Uni Buenos Aires, Argentina</i> Taming intrinsic thermal noise in subthreshold CMOS circuits: bridges between electronics, non-equilibrium thermodynamics and stochastic computing	Round table: Women in Nanoscience and Nanotechnology	
16:40-17:20		Fabien Plisson (ON) <i>CINVESTAV, Mexico</i> AI-driven peptide design: opportunities and challenges		
17:20-18:00		Héctor Loro (IN) <i>UNI, Peru</i> Nanopartículas altamente luminiscentes por upconversion y sus aplicaciones como sensores multicanal		
18:00-19:00	Discussion time			
19:00-22:00				Conference dinner