

## Nanoprocessing and Characterization

Chair: Dr. Joaquín Oseguera-Peña

Location: Library, Art-gallery

Time	Presenter	Title	Code
09h15	Gladys Díaz Armas	Mechanical Characterization of Thin Film Biomaterials Using Centrifugal Microfluidics	NMPC-12
09h30	Stephen Muhl	Tribological Properties of TiOxNy thin films as a Function of the Relative Humidity	NMPC-13
09h45	Martin Flores	Tribocorrosion and Wear Mechanism of Zr/ZrN/CNx Multilayers Deposited by HIPIMS on Ti6Al4V Biomedical Alloy	NMPC-17
10h00	Cesar D. Rivera-Tello	The Methane Flow Dependence on the Micro-Tribological Properties of DLC Coatings made by PECVD	NMPC-10
10h15	Fernando Santiago	Analysis of Tribomechanical Behavior of AISI 8620 Steel Treated by Different Plasma Assisted Process	NMPC-07
10h30	Gilberto E. García	Optimization of Surface Roughness on Slitting Knives by Titanium Dioxide Nanoparticles as an Additive in Grinding Lubricant	NMPC-04
10h45	María Paula Salinas	Electrodeposition of Metallic and Multimetallic Nanoparticles with Properties Electrocatalytic for Applications in the Generation and Storage of Energy	NMPC-08
11h00	Anirban Roy	Nanoscale IR Spectroscopy and Imaging Looking beyond the Diffraction Limit	NMPC-09
11h15	Daniel Olvera-Trejo	Electrospray-jet printing of InZnO Thin Films Transistors	NMPC-11
11h30	Calef Sánchez-Trasviña	Development and Characterization of PEGylated Chromatographic Monoliths as a Novel Platform for the Separation of PEGylated Proteins	NMPC-01
11h45	Beatriz De Los Santos-González	Chemical Modification of Chromatographic Monoliths with Dendron Structures for Recovery of Molecules with Biotechnologic Interest	NMPC-02
12h00	Angélica Hernández González	Development of a Novel Sun Skin Bioprotector using Silica Nanoparticles and Enriched with Antioxidants	NMPC-03
12h15	Sreed Sharma Kanakillam	Nanostructured Cobalt Oxide Thin Films for Photocatalysis using Pulsed Laser Fragmentation in Liquid Technique	NMPC-05
12h30	Rafael Villaurrutia	Novel Solutions on Electron Microscopy for Nanomaterials Characterization	NMPC-06
12h45	Andrés López Velázquez	Evaluation of Graphene as a Reinforcement Material in a Solar Collector for Domestic Use	NMPC-14
13h00	José Medina	Prevention and Erradication of Microorganisms in Cultural Heritage using a Biocide made of Silver Nanoparticles	NMPC-15
13h15	Lina M. De León Covián	Carbon Nanofibers based on Polyacrylonitrile prepared by the Forc spinning Process, and their Application in Lithium-ion Batteries	NMPC-16
13h30	BREAK		