

FOCUS SCHEDULE

Time	Tuesday (11)		Wednesday (12)		Thursday (13)	
8:30 - 9:00	Registration		<u>Hans Bjelkhagen</u> [Holography] "Ultra Realistic Imaging: A New Beginning for Display Holography"		Elevator Pitch session	
9:00-9:30	Registration	<u>Manmohan Singh</u> Three Dimensional Elasticity Mapping of the Cornea Using Optical Coherence Elastography				
9:30-10:00				Aperture		
10:00-10:15	Break					
10:15-11:15	Plenary Session / Technical Topic	<u>James Wyant</u> [Professional Development]	<u>Elder De la Rosa</u> [Nanophotonics] "Challenges and opportunities in nanophotonics"		<u>Glenn Boreman</u> [Infrared, Frequency selective surfaces, Antennas] "Infrared Antennas & Frequency-Selective Surfaces"	
11:15-12:00	Lunch & Poster Mounting	Students Oral Presentations 1 <u>Adrian Días</u> Active Stand-Off Detection of Gas Leaks Using Hard-Target-Backscattered Light From a Quantum Cascade Laser <u>J.P. Balthasar Muller</u> Chirality-sorting Lateral Optical Spin Forces in an Evanescent Field	<u>Eliel Nieto</u> Resonance Raman Spectroscopy in Twisted Bilayer Graphene <u>Joao R. C. Melo</u> Image Processing-based techniques in analyzing optically measured geometric surfaces		<u>Hermínso Villarraga Gómez</u> X-ray CT Metrology <u>Ernesto Ocaña</u> Analysis of samples of crude and refined oil by fluorescence and micro optical fibers	
12:00 - 14:00	Lunch					
14:00-15:00	Registration	Plenary Session / Technical Topic	<u>Ricardo Amézquita</u> Professional Development "Haciendo Hologramas en Colombia"	<u>Ignacio Martínez</u> [Optical Tweezers] "Experimental stochastic thermodynamics: From optical tweezers to thermal engines in the mesoscale"		<u>Hernando García</u> [Espectroscopia Ultrarrápida, Óptica no lineal, Plasmónica] "Evolutionary Dynamics as a Model for a Laser Behavior Near threshold"
15:00-15:15		Preparation for Poster Presentation				
15:15 - 16:00	Registration	Students Oral Presentations 2	<u>Jairo David Garcia Jaramillo</u> Quantum Theory of Electrical Susceptibility <u>Jacob Cole</u> Steady-state fluorescence anisotropy measurements of fluorophores in various configurations <u>Carlos Andrés Rios Ocampo</u> Nanophotonics meets phase-change materials	<u>Eduardo Ortiz Rascón</u> Diffuse Light Transmission Profiles Using Time Resolved Imaging <u>Ivan Gabriel Terceros Vidal</u> Development of a Wireless Control For a Libs System and Optimization of Power Supplu Low Cost <u>Maria Julia Nieto</u> ""Reliability Study of Fiber Bragg Grating Sensors for Monitoring Landslides""		Poster Session
16:00-16:15		Break				
16:15 - 16:45	Registration	Plenary Session / Technical Topic	<u>Jerome Kalifa</u> [Bio-optics] "Photodynamic Modulation of Fibrillation Electrical Sources: Can We Enlight Arrhythmias?"	<u>Juan Campos</u> [Diffractive Optics] "Design of Stokes and Mueller polarimeters based on liquid crystal displays"		Best Oral and Poster Presentation Awards Sponsorship recognition
16:45-17:00		BREAK				
17:00-18:00	Registration	Students Oral Presentations 3	<u>Jennfir Digaum</u> Ninety-Degree Beam Bending using a Spatially Variant Self-Collimating Photonic Crystal <u>Maryah Elisa Morastoni Haertel</u> Surface matching using the natural texture for inner pipeline inspection.	<u>Juan Giovany Maidana Murillo</u> Development of a Diffraction Spectrometer and its Control Software Using a Raspberry Pi and Low Cost Comercial Elements <u>Noelia Tolavi</u> The use of cellular network for applications of solar radiation monitoring		Cultural Show