

Program

February 2017

Thursday 23th

Friday 24th

08:00 08:30	Registration	Registration
08:30 09:00	Inauguration	
09:00 10:15	Trajectory tracking for quadrotors and small airplanes <i>Rogelio Lozano Leal</i> <i>The National Center for Scientific Research</i>	Vision oriented UAV development <i>José Luis Gordillo Moscoso</i> <i>Monterrey Institute of Technology - Campus Monterrey</i>
10:15 11:30	Total Energy Control for Unmanned Aerial Vehicles <i>Hugo Rodríguez Cortés</i> <i>Center of Research and Advanced Studies (CINVESTAV)</i>	Pursuit-Evasion Problems with Robots <i>Rafael Eric Murrieta Cid</i> <i>Centro de Investigación en Matemáticas (CIMAT) - Guanajuato</i>
11:30 11:45	Coffee Break	
11:45 13:00	BlueBear Systems - Delivery and development of GPS denied solutions into operational UAS <i>Richard Bostock</i> <i>BlueBear Systems Research, UK</i>	Robust and Efficient Visual SLAM <i>Andrew Calway</i> <i>University of Bristol, UK</i>
13:00 14:30	Lunch Time	
14:30 15:45	Visual-based Planning under Uncertainty for 3D Reconstruction <i>Luis Enrique Sucar Succar</i> <i>National Institute of Astrophysics, Optics and Electronics (INAOE)</i>	Demos
15:45 16:00	Coffee Break	
16:00 17:15	Learning to Fly with Transfer and Reinforcement Learning <i>Eduardo Morales Manzanares</i> <i>National Institute of Astrophysics, Optics and Electronics (INAOE)</i>	New Neural Network Models and their Training Algorithms and Applications <i>Juan Humberto Sossa Azuela</i> <i>Research Centre in Computer Science of the National Polytechnic Institute (IPN)</i>
17:15 18:30	The Game of Drones <i>Bernardino Castillo Toledo</i> <i>Center of Research and Advanced Studies (CINVESTAV) - Guadalajara</i>	Event-based collaborative control for consensus of VTOL-UAVs <i>José Fermi Guerrero Castellanos</i> <i>Faculty of Electronics at BUAP</i>
18:30 19:30	Brindis	Closure

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