

**Jueves 6**

**Viernes 7**

9:00 hrs		
9:25 hrs	Improving multiple pedestrians tracking with semantic information Short Talk: Francisco Madrigal (CIMAT)	Tutorial: Humanoid robots: a primer for walking Olivier Stasse, Laboratoire d'Analyse et d'Architecture des Systèmes (LAAS-CNRS), France
9:50 hrs	Visual navigation of wheeled mobile robots using a visual memory and direct feedback of a geometric constraint. Short Talk: Hector Becerra (CIMAT)	
10:15 hrs	Optimal Gap Navigation for a Differential Drive Disc Robot: A Game Against the Polygonal Environment Short Talk: Rigoberto López (CIMAT)	
10:40 hrs	Coffee Break	
11:00 hrs	Integrating modelling and reward shaping for fast learning: an application in therapy planning Short Talk: Enrique Sucar (INAOE)	Enabling robots to see the world and interact with it Short Talk: Reyes Rios-Cabrera (CINVESTAV)
11:25 hrs	Object detection using stereo-vision for autonomous systems interaction Short Talk: Dora Luz Almanza Ojeda (UPGTO)	Advances in Efficient Single-Query Motion Planning Short Talk: Gildardo Sánchez (ITESM)
11:50 hrs	Next-best-view planning for object reconstruction under position uncertainty conditions. Short Talk: Irvin Vázquez (INAOE/CIMAT)	Vision Based Persistent Localization of a Humanoid Robot for Locomotion Tasks Short Talk: Gustavo Arechavaleta (CINVESTAV)
12:15 hrs	Teasers posters	Robot Justina Short Talk: Jesús Savage (UNAM)
12:40 hrs	Poster session	Mobile robot path planner using evolutionary computation. Short Talk: Victor Ayala (UGTO)
13:05 hrs		Autonomous imagen mosaicing. Short Talk: Arturo Espinoza (UADY)
13:30 hrs		Motion planning for maintaining landmarks visibility with a differential drive robot Short Talk: Jean-Bernard Hayet (CIMAT)
14:00 hrs	Lunch	Lunch
15:15 hrs	The problem of lighting robustness in stereo matching for assisted driving Short Talk: Flavio Viguera (UASLP)	Talk: Vision-based motion generation for humanoid robots Olivier Stasse
15:45 hrs	Estrategias de movimiento basadas en apariencia para detección de un objeto Short Talk: Israel Becerra (CIMAT)	
16:15 hrs	Human Interaction for Effective Reinforcement Learning Short Talk: Eduardo Morales (INAOE)	Service Robots: The Supermarket Shopping Assistant Short Talk: Antonio Marin (UV)
16:45 hrs	Pausa	A Single Visual-Servo Controller of Mobile Robots with Super-Twisting Control Short Talk: Salvador Torres (CIO)
17:05 hrs	Talk: Robot Algorithms for Modeling Virtual Cityscapes Ming Lin, Department of Computer Science, University of North Carolina, Chapel Hill. USA	
18:00 hrs	Master Program Talk	