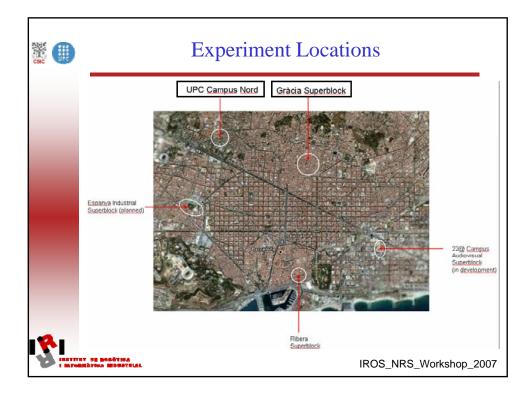
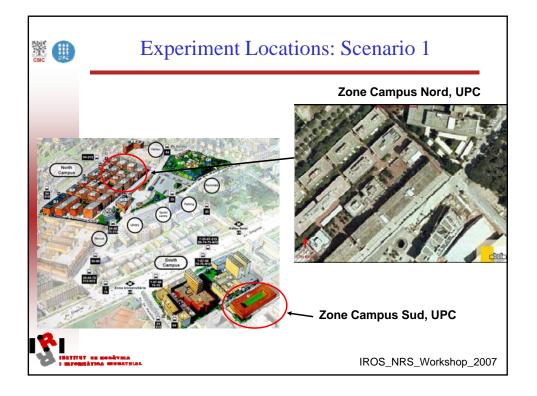


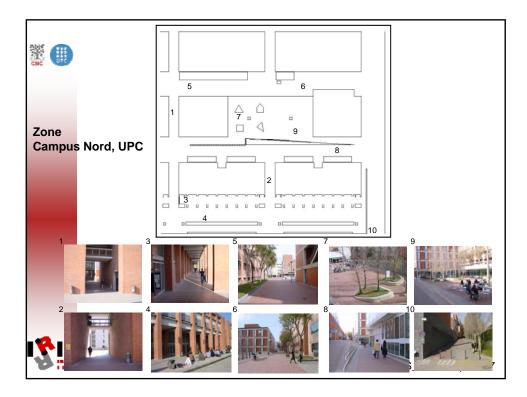


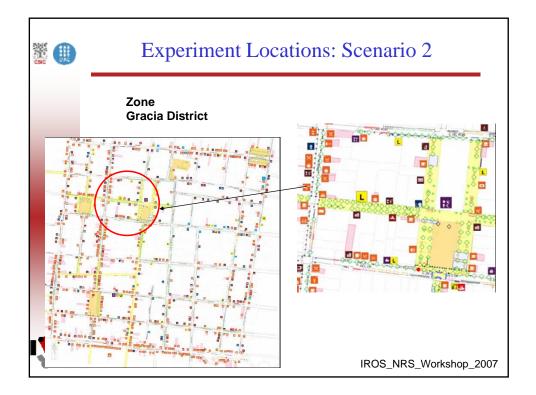
Since (	<ul><li>Project Objectives</li><li>Objectives:</li></ul>			
	• The main objective is to develop an adaptable network robot architecture which integrates the basic functionalities required for a network robot system to do urban tasks			
	• 1. Scientific and technological objectives			
	- City rules and requirements due to robots in Urban areas			
	- Cooperative localization and navigation			
	- Cooperative environment perception			
	<ul> <li>Cooperative map building and updating</li> </ul>			
	- Human robot interaction			
	- Multi-task allocation			
	Wireless communication in Network Robots			
	- 2. Experiment objectives			
5	- Guiding and transportation of people IROS_NRS_Workshop_2007			

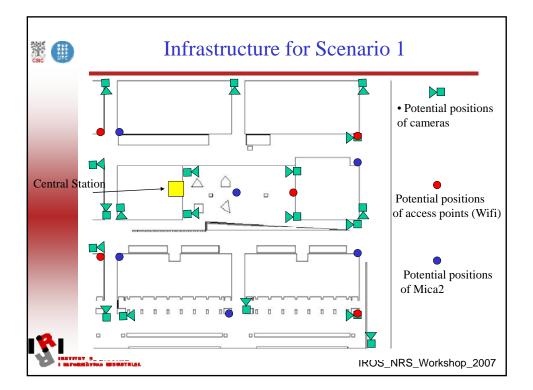
URUS Partners			
Participant Role*	Country	Participant name	Participant shor name
Coordinator Research Partner	Spain	Technical University of Catalonia (Institute of Robotics) Alberto Sanfeliu	UPC
Research Partner	France	Centre National de la Recherche Scientifique Rachid Alami / Raja Chatila	LAAS
Research Partner	Switzerland	Eidgenössische Technische Hochschule Roland Siegward	ETHZ
Research Partner	Spain	Asociación de Investigación y Coop. Indus. de Andalucia Anibal Ollero	AICIA
Research Partner	Italy	Scuola Superiore di Studi Universitari e di Perfezionamento Sant' Anna Paolo Dario	SSSA
Research Partner	Spain	Universidad de Zaragoza Luis Montano	UniZar
Research Partner	Portugal	Instituto Superior Técnico Joao Sequeira / Jose Santos Victor	IST
Research Partner	UK	University of Surrey John_Illingworth	UniS
Agency Partner	Spain	Urban Ecology Agency of Barcelona Salvador Rueda	UbEc
Industrial Partner	Spain	Telefónica I+D Xavier_Kirchner	TID
Industrial Partner	Italy	RoboTech Nicola Canelli	RT





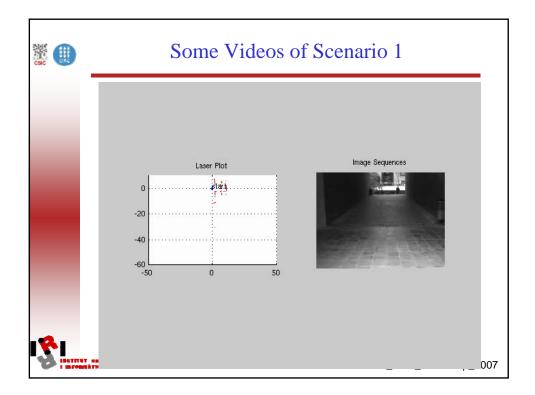


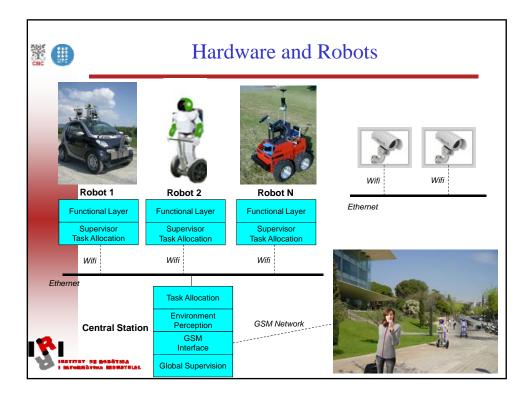




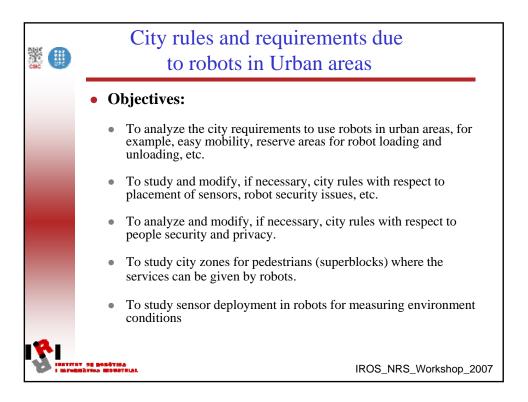


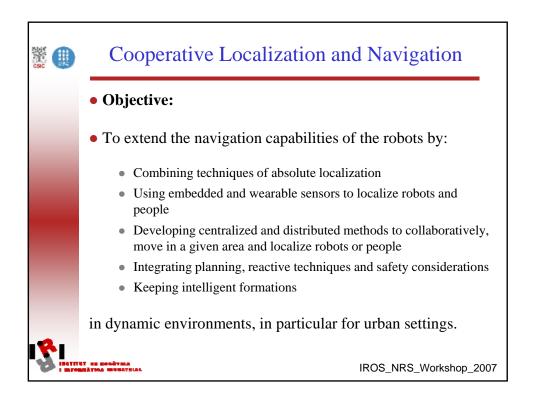




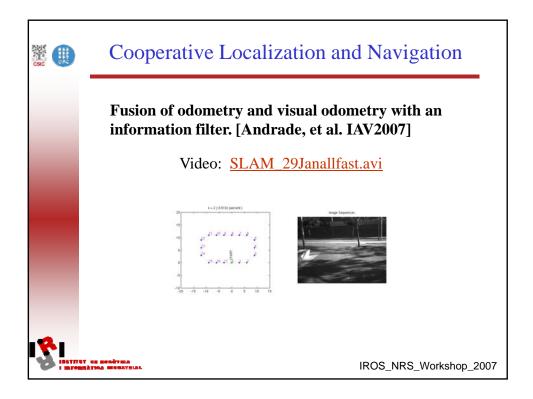


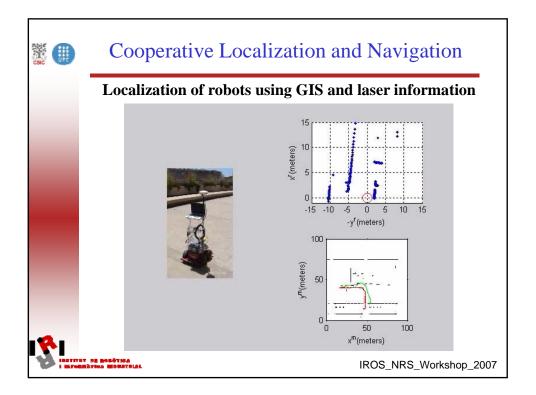


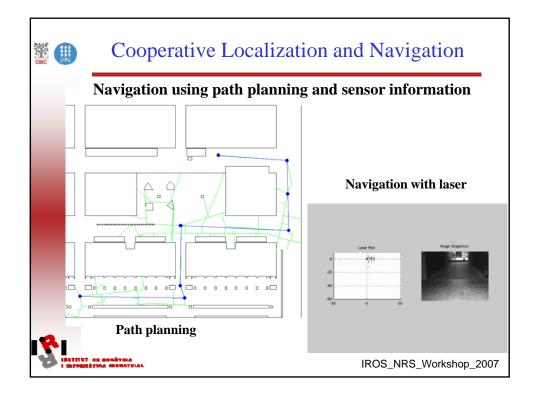


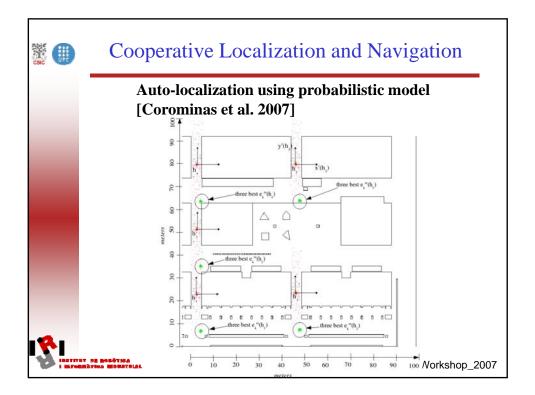


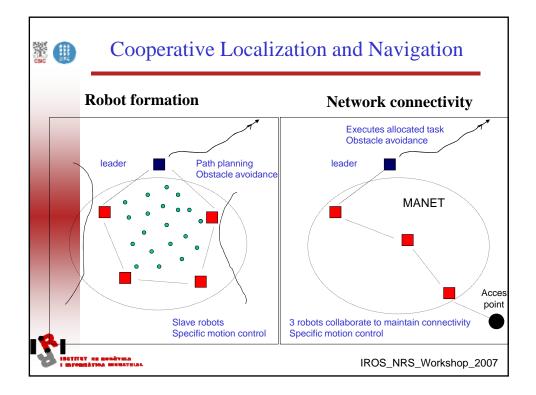


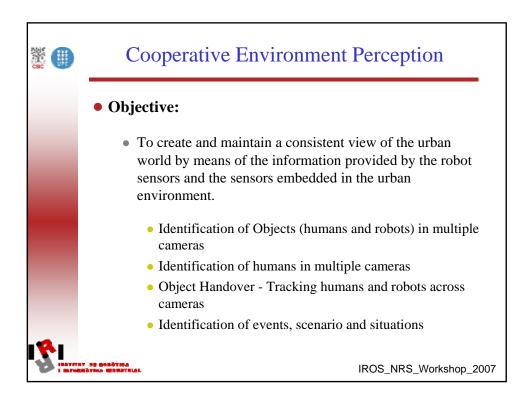


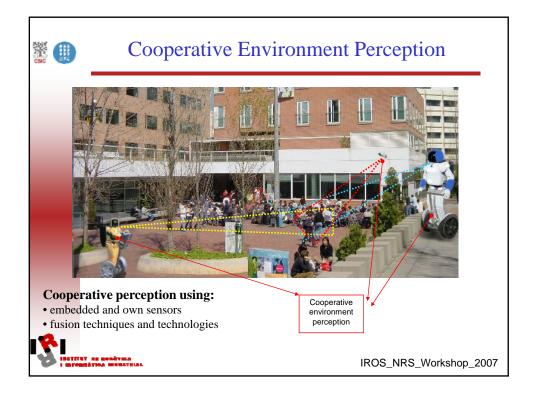


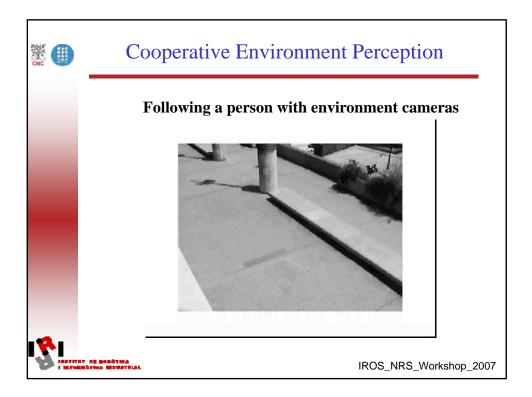


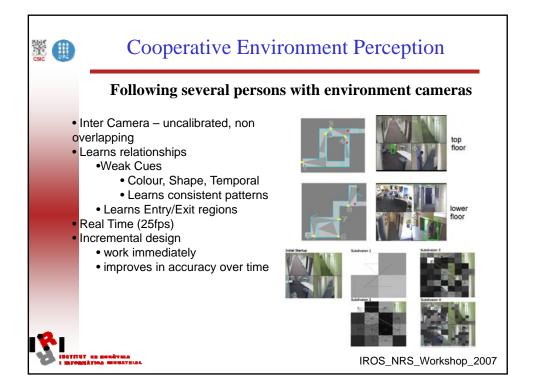


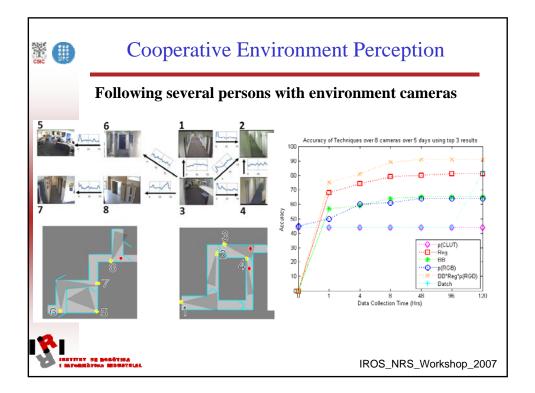


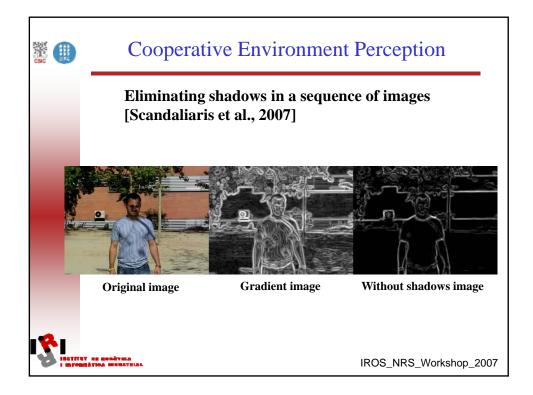


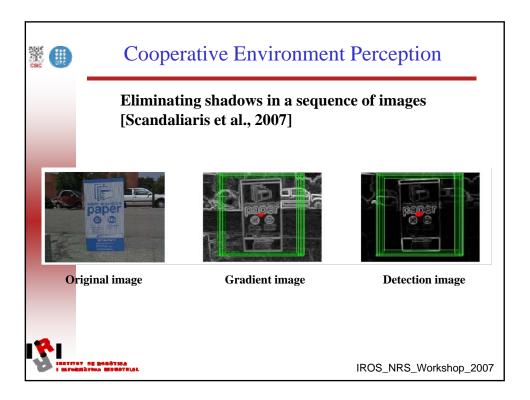


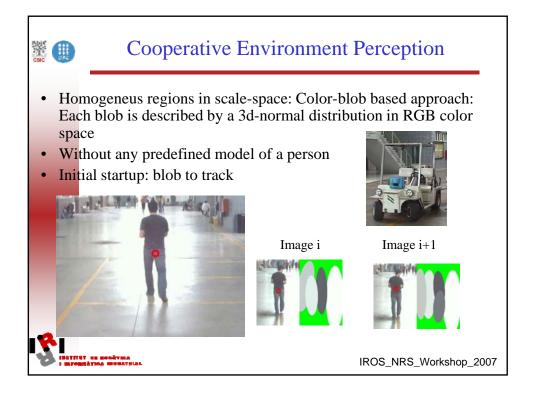


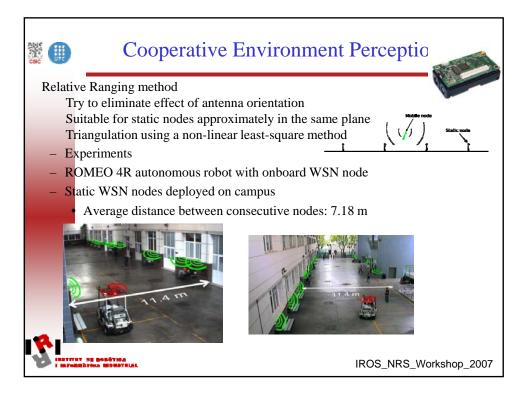


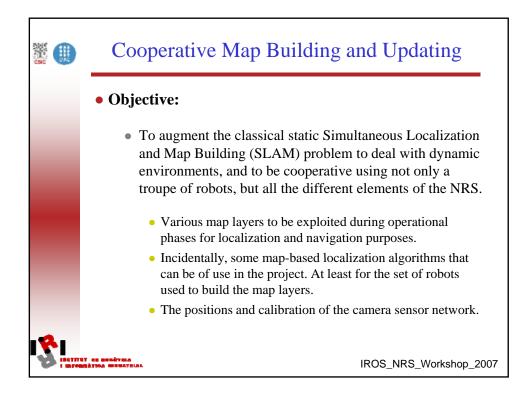


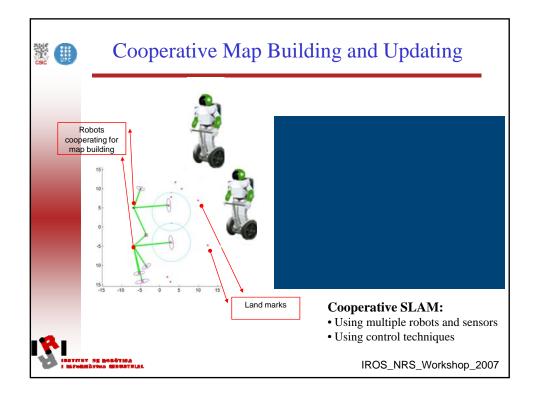


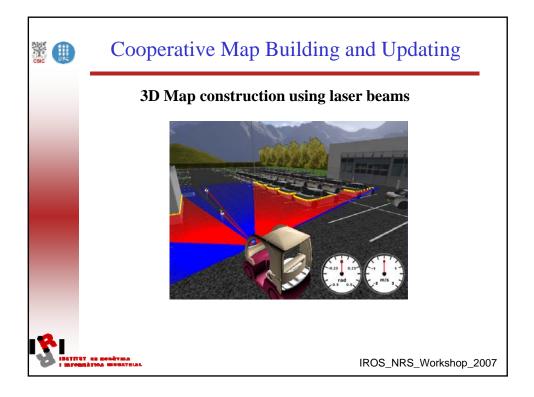


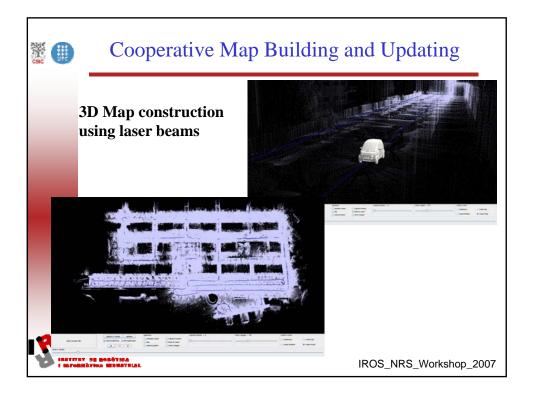


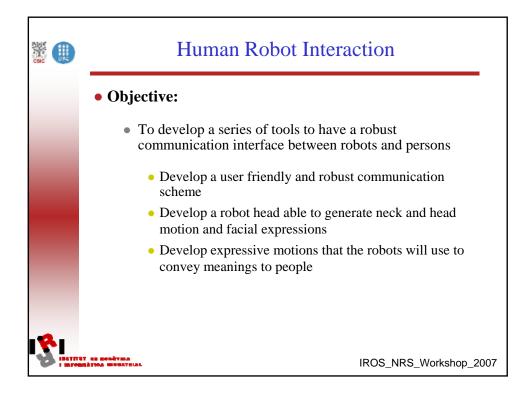


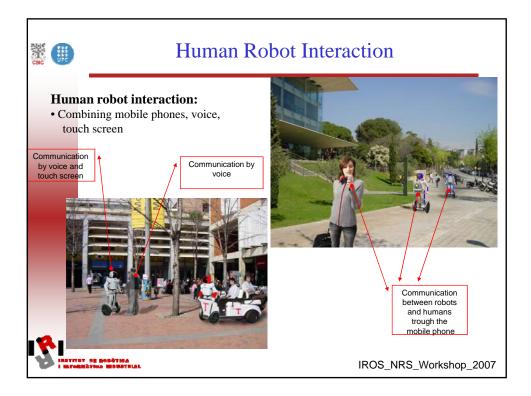


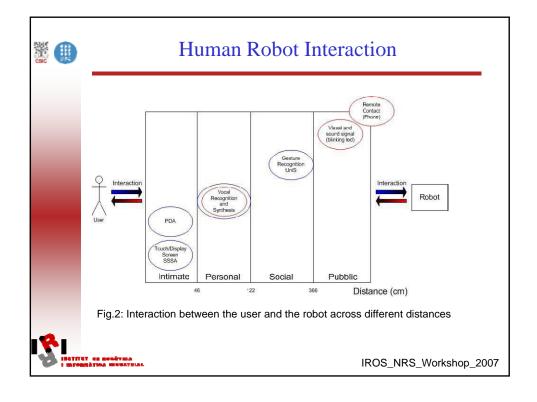


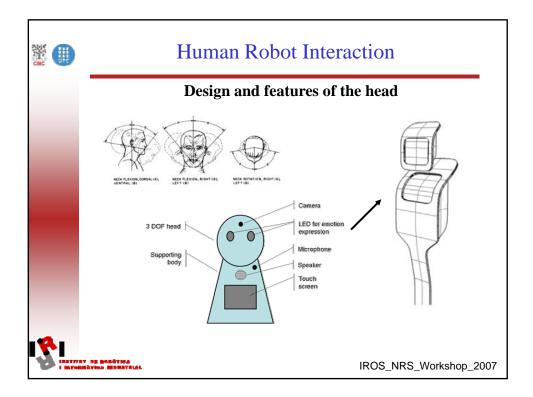


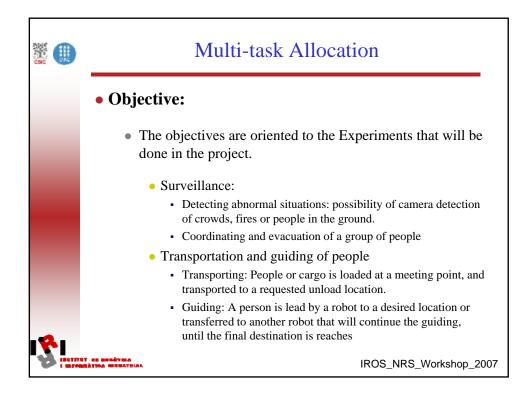


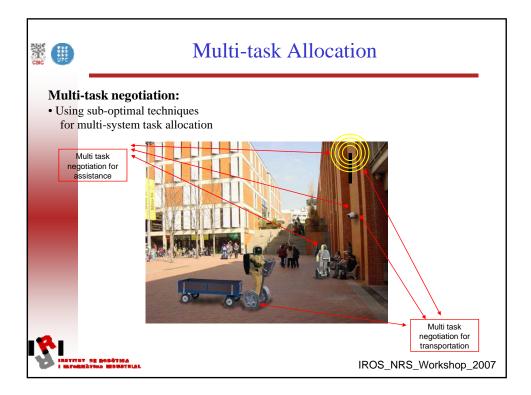


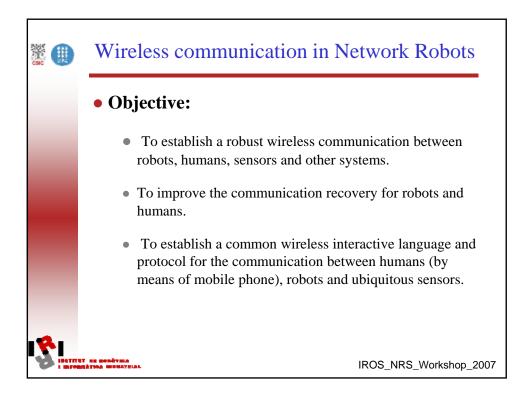


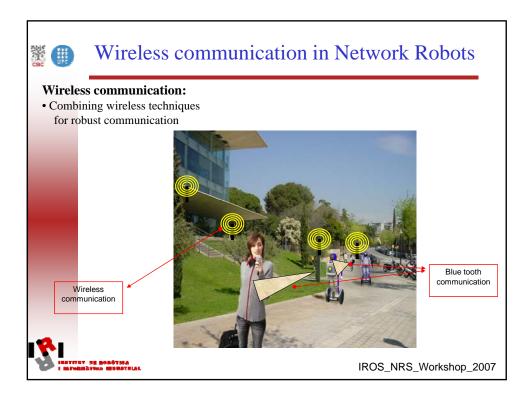












200 C	Experiments
	• Urban experiments:
	• 1 Transportation of people and goods
	<ul> <li>Transporting people</li> <li>Taxi service requested via the phone</li> <li>User request the service directly</li> <li>Transport object</li> </ul>
	<ul> <li>2 Guiding people</li> <li>Guiding a person with one robot</li> <li>Guiding a person with two robots</li> </ul>
	<ul><li> 3 Surveillance</li><li> Coordinate evacuation of a group of people</li></ul>
121	• 4 Map building IROS_NRS_Workshop_2007

