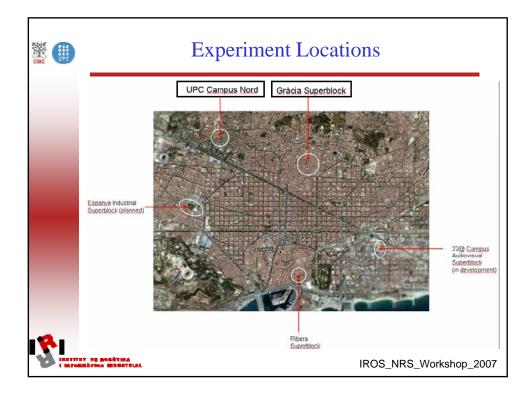
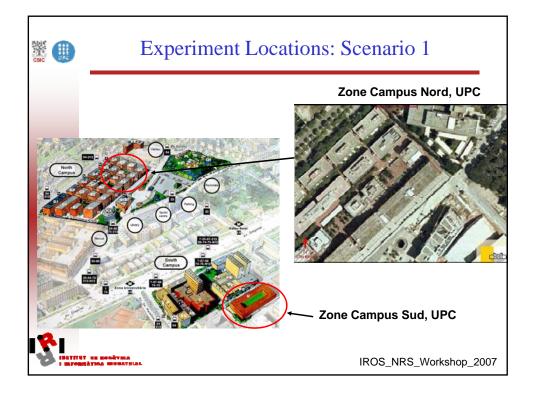


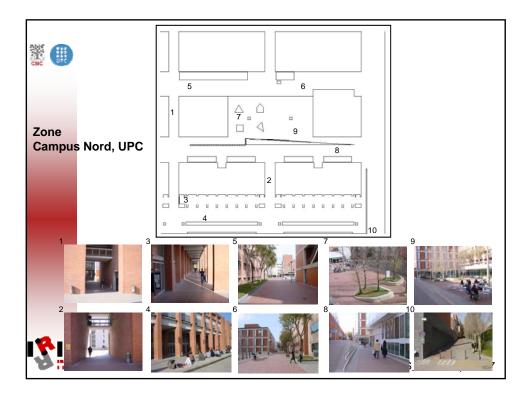


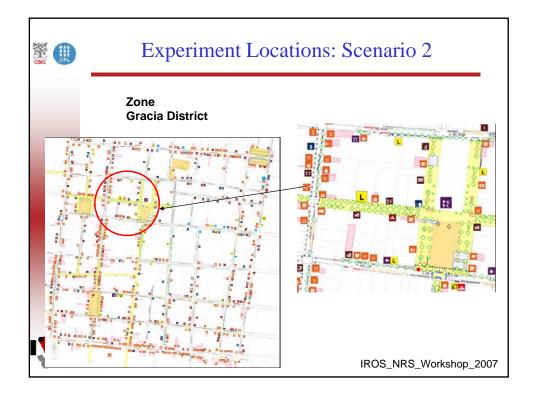
| Since ( | <ul><li>Project Objectives</li><li>Objectives:</li></ul>  |  |  |  |
|---------|---|--|--|--|
|         |   |  |  |  |
|         | • The main objective is to develop an adaptable network robot architecture which integrates the basic functionalities required for a network robot system to do 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   |  |  |  |

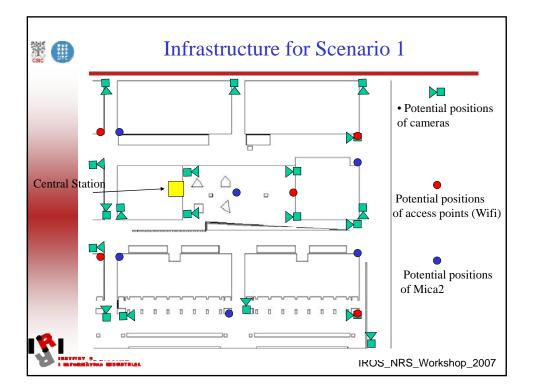
| URUS Partners                   |             |  |                          |
|---------------------------------|-------------|--|--------------------------|
| Participant<br>Role*            | Country     | Participant name   | Participant shor<br>name |
| Coordinator<br>Research Partner | Spain 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





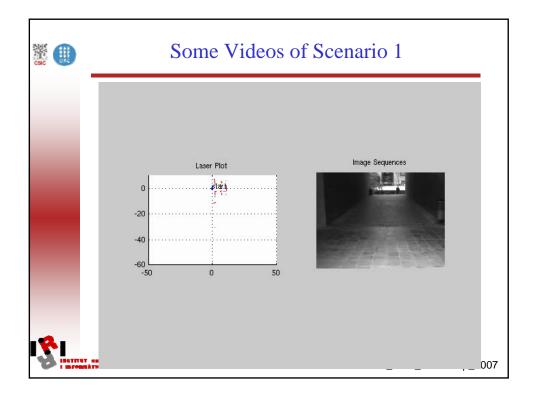


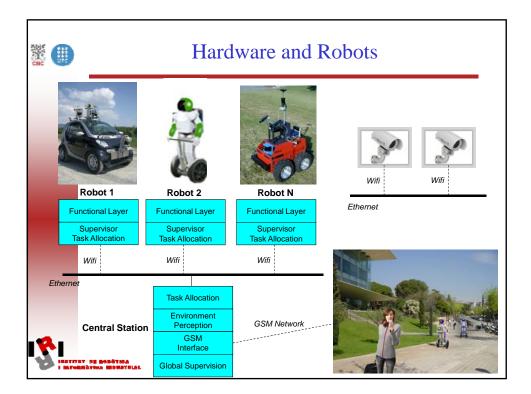




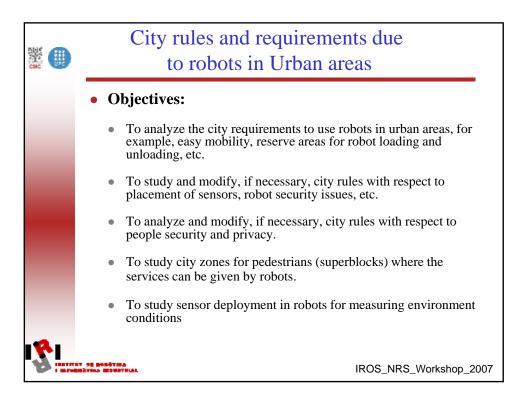






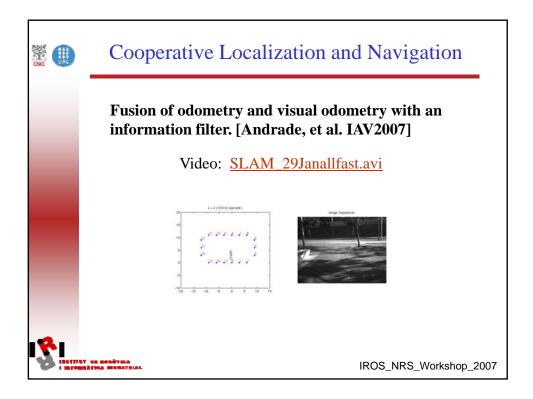


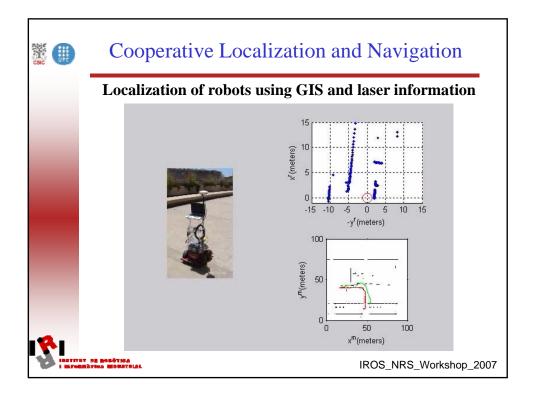


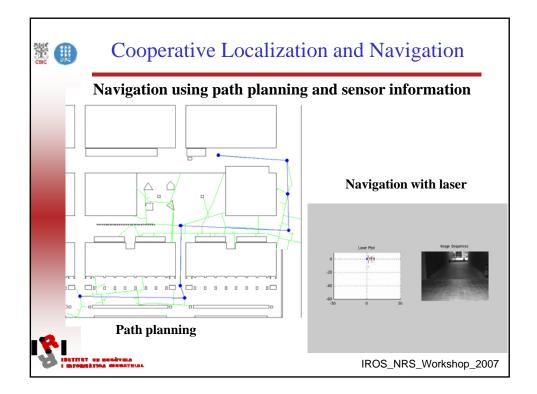


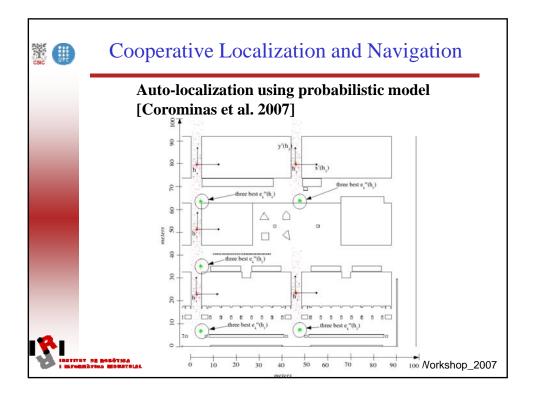


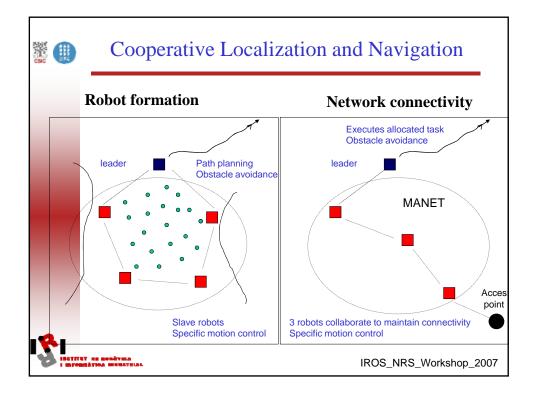


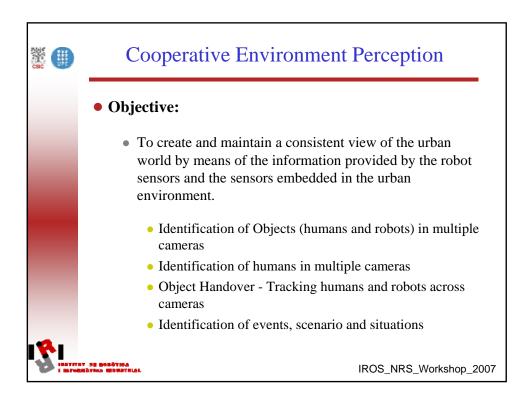


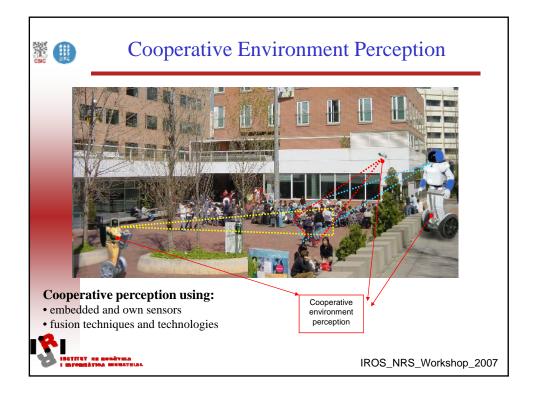


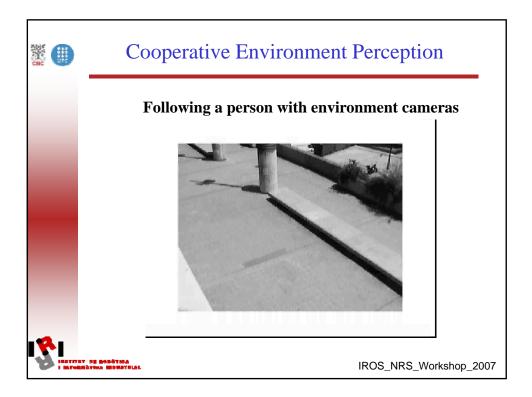


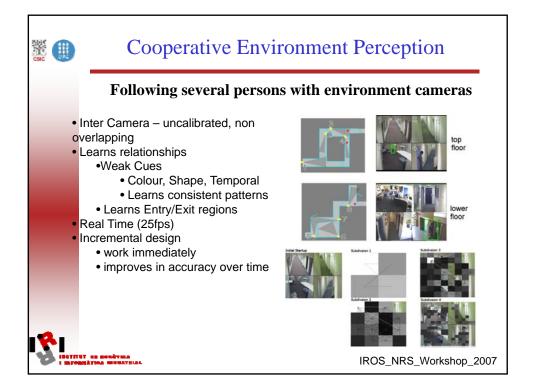


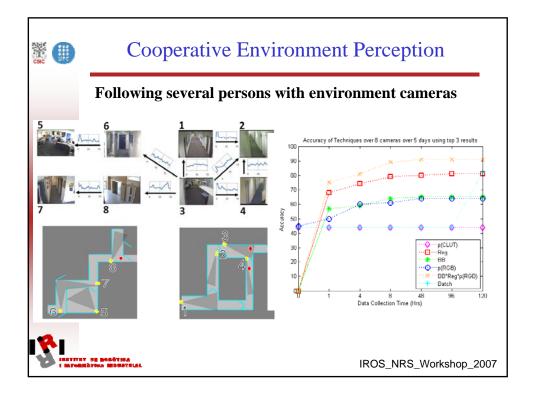


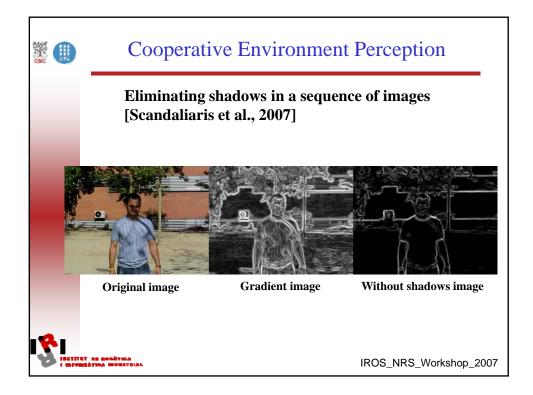


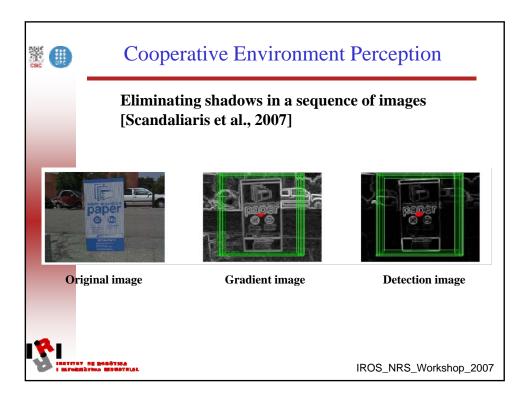


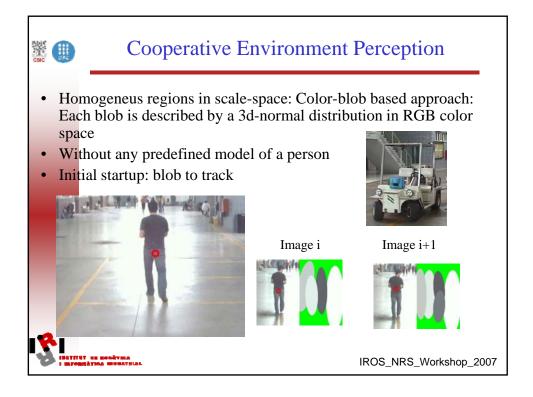


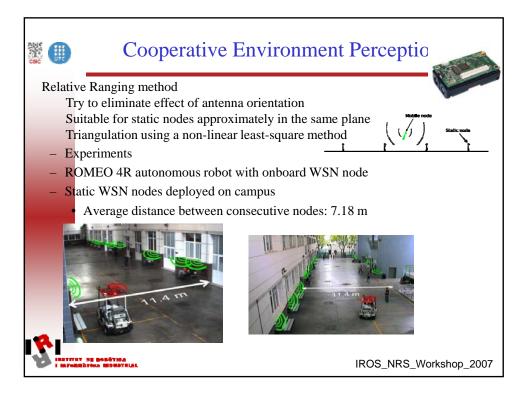


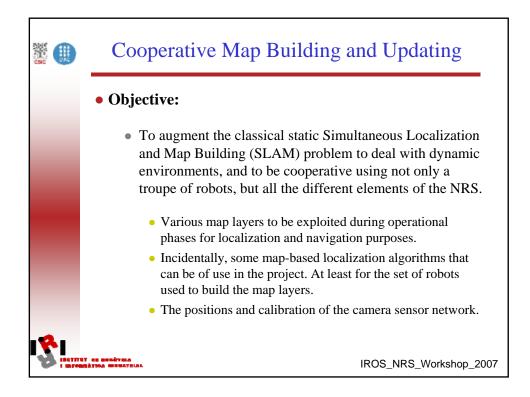


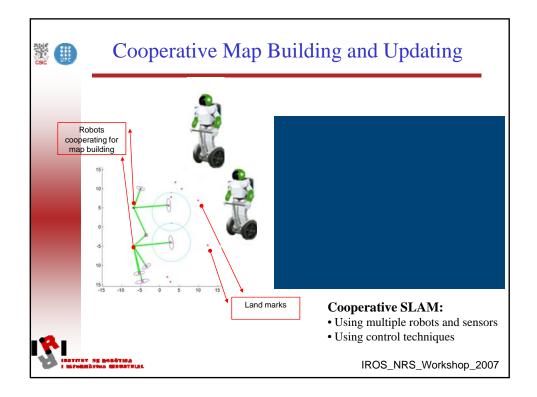


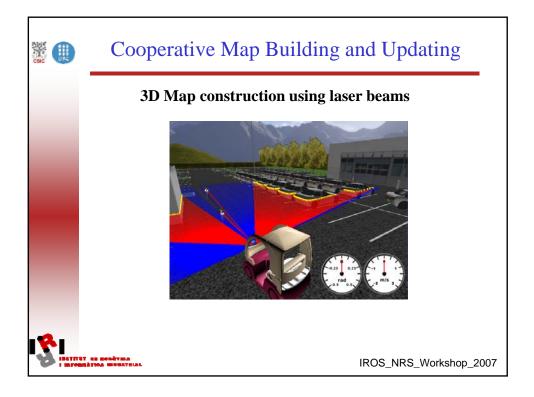


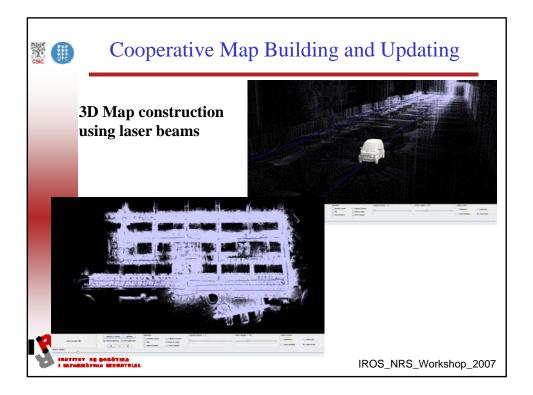


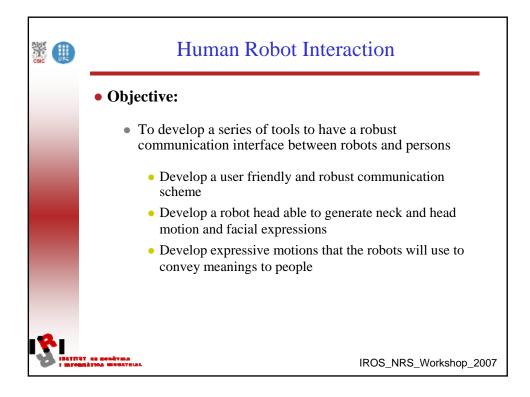


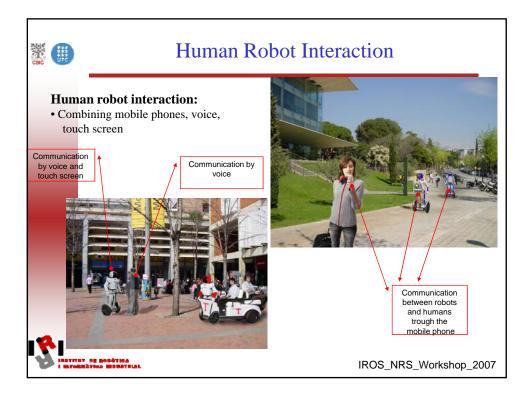


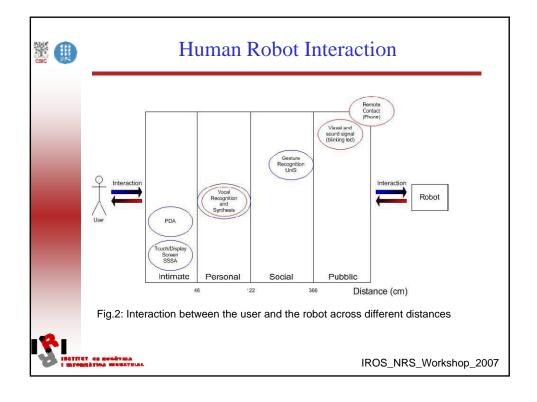


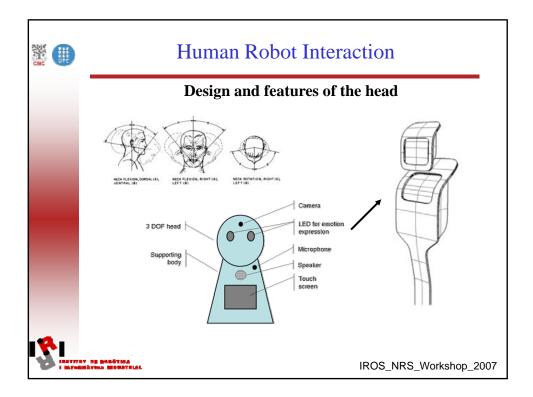


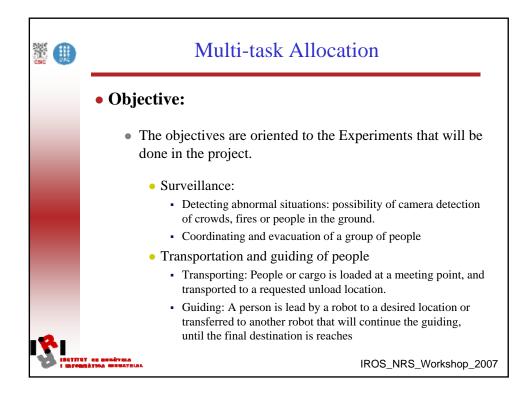


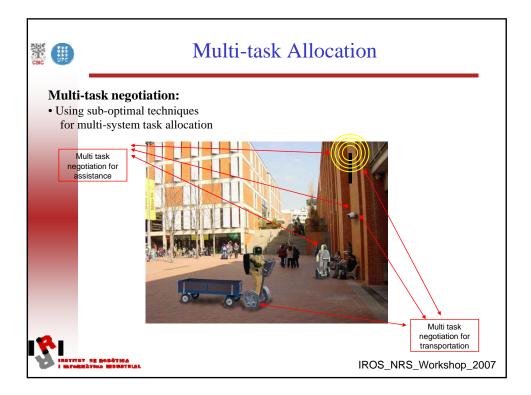


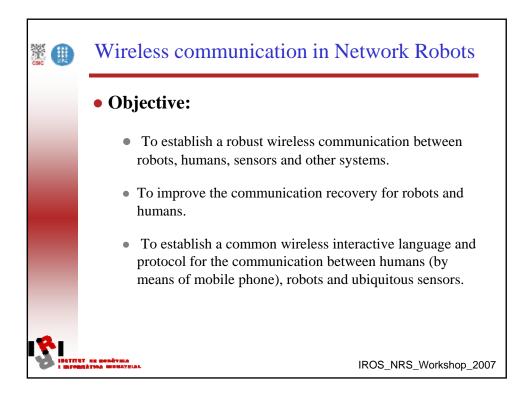


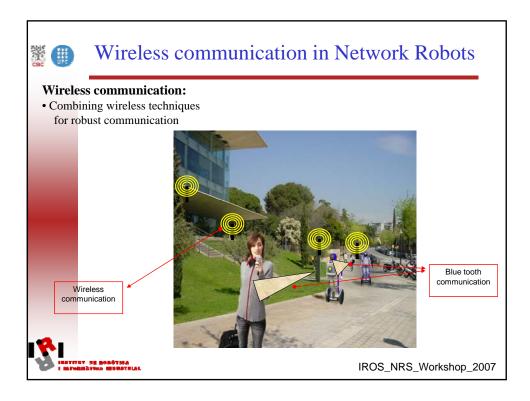












| 200 C | Experiments  |
|-------|--|
|       | • Urban experiments:   |
|       | • 1 Transportation of people and goods   |
|       | <ul> <li>Transporting people</li> <li>Taxi service requested via the phone</li> <li>User request the service directly</li> <li>Transport object</li> </ul> |
|       | <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  |

