Abstract
The University of Los Andes and the group of robotics specifically come working already does some time on a first prototype from wheelchair, with which great experience in subjects has been acquired such as: construction and control of movable platforms, signal processing sent by systems sonars, atmosphere recognition, navigation and voice recognition, subjects that reunited serve as a solid base to give beginning to this project. The investigation looks for to develop a sensorial system, whose caught information of the atmosphere allows the system of control of the chair to make decisions in functions from security and some special ones like following walls and crossing doors. The work was developed around the project of investigation «Attendance to the conduction of a wheelchair» directed by investigators Alain Gautier, Carlos Francisco Rodriguez and developed in collaboration with Colciencias and the Institute Roosevelt.

Keywords
Infrared Sensor, wheelchair Automated of Ultrasound, Sensor, Sensorial System.