

## Enrique Fernández Perdomo

Enrique Fernández Perdomo is a robotics engineer at PAL Robotics in Barcelona. In 2009 he graduated with a master degree at the Institute of Intelligent Systems and Computational Engineering in the University of Las Palmas de Gran Canaria, Spain and worked there as research assistant after his studies. He received his Ph.D. on “Contributions to Underwater Glider Path Planning” in 2013. His research interests include Robotics, Computer Vision, and Artificial Intelligence in general; in particular, he is currently working actively on Path Planning and SLAM for different robotic platforms, as non-holonomic mobile bases and biped humanoid robots. Dr. Fernandez is author of the book “Learning ROS for Robotics Programming”.



### **PAL Robotics Autonomous Mobile Robots From humanoid biped robots to low-cost customizable AGVs**

The presentation starts with an overview about the company PAL Robotics and its robots: humanoid differential drive bases (REEM-H) and humanoid biped (REEM-C), as well as the new low-cost mobile bases in development, the arms and 5-finger hand. Dr. Fernandez will also present the research he is in charge of in the company: autonomous navigation and mapping.