

WAF2020

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INVITED SPEAKER

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Dr. Pablo F. Alcantarilla is the CTO and Head of Research at SLAMcore, leading the company's research efforts in visual SLAM, dense mapping and deep learning. Previously he worked at iRobot corporation developing long-term visual SLAM technology for the Roomba i7 robot's. In addition, he spent two years at Toshiba Research in Cambridge working on efficient computer vision techniques and deep learning for autonomous driving. He obtained his Ph.D. from the University of Alcala, Madrid, Spain in 2011 and after that he worked few years in academic institutions such as the Advanced Laparoscopy and Computer Vision Lab (ALCoV), in Clermont-Ferrand, France and the School of Interactive Computing of the Georgia Institute of Technology, Atlanta, USA. He is the author of the popular KAZE and A-KAZE features that are widely used in industry and academia.

Visual SLAM and how to build a company to democratise the use of it

In this talk I will give a brief overview of my background and my recent research in visual SLAM and deep learning. After this I will introduce SLAMcore, a UK-based startup from Imperial College that has the goal of democratising the use of SLAM-based solutions in robotics and drones industries. I will describe the company origins, where we are at the moment and some areas in which we are currently working on.

CONTACT

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