Pascual Campoy Résumé

Pascual Campoy is Chair Professor on Automatics at the Universidad Politécnica Madrid (UPM), where he received his PhD in Engineer in 1988. He presently lectures on Control, Machine Learning and Computer Vision at graduated and post-graduated level. He has been in charge of a wide variety of research projects concerning technology transfer of Computer Vision to the industry. These projects can be clustered into three main application areas: Automated Visual Inspection, Vision for Robotics and Visual Information Management System. He has been leader of 12 Projects funded by the European Commission, 7 National R&D projects and over projects contracted directly by the industry. He is inventor of 9 patents in the field of Computer Vision, three of them registered internationally in several countries all over the word. His research activities have been gathered in more than 100 international publications in technical journals and symposia contributions, having 652 cites and a H number 13. He was founder of the company "I4: Innovation in Industrial Images Inspection", which is a spin-off of the U.P.M. and it is aimed to transfer R&D results to the industry in the field of Machine Vision.

He is presently leading the Research Group on Computer Vision at U.P.M. His has a large activity in using Vision for Unmanned Aerial Vehicles (UAV), which includes object tracking, visual servoing, visual control and guidance, visual SLAM, stereo and omni-deirectional vision. He is presently working on new learning paradigms for bio-inspired Neural Networks that are aim to be used in image segmentation, detection recognition.

He strongly believes in active learning and collaborative learning, being pioneer in using the SCALE-UP methodology in ETSII-UPM since 2007, when the collaborative classrooms were implemented. He is the funder of the ISA Student Association at UPM and its advisor Professor in the period 2004-2012.

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