



Software

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OpenCV

Willow Garage is supporting development on the **Open** Source **Computer Vision** Library (OpenCV) for use in robotic applications and to streamline its use in the ROS software platform. OpenCV already has a successful history in robotics, including its use on Stanley, the winning 2005 DARPA Grand Challenge vehicle, and Willow Garage is extending its use in areas like mobile manipulation to help further robotics research.

OpenCV Links

- [OpenCV](#)
- [OpenCV Docs](#)
- [OpenCV code](#)

History

OpenCV was started at Intel in 1999 by Gary Bradski for the purposes of accelerating research in and commercial applications of computer vision in the world and, for Intel, creating a demand for ever more powerful computers by such applications. Vadim Pisarevsky joined Gary to manage Intel's Russian software OpenCV team. Over time the OpenCV team moved on to other companies and other Research. Several of the original team eventually ended up working in robotics and found their way to Willow Garage. In 2008, Willow Garage saw the need to rapidly advance robotic perception capabilities in an open way that leverages the entire research and commercial community and began actively supporting OpenCV, with Gary and Vadim once again leading the effort.

Learning OpenCV

Gary Bradski and Adrian Kaehler have teamed up to write *Learning OpenCV: Computer Vision with the OpenCV Library*. This new book is a general introduction to the intuition and theories behind computer vision, a user's guide, functional reference, and performance tuning guide.

Learning OpenCV is published by O'Reilly Press and is available for purchase on [Amazon](#).

[Open CV Book](#)



Software News

May 31, 2011

[Compressing Point Clouds with Point Cloud Library \(PCL\) »](#)

Julius Kammerl from Technische Universität München, Munich, Germany spent his internship at Willow Garage working on the Point Cloud Library..

May 12, 2011

[Google I/O 2011: Cloud Robotics, ROS for Java and Android »](#)

Yesterday at Google I/O, developers at Google and Willow Garage announced a new rosjava library that is the first pure-Java implementation of..

April 18, 2011

[OctoMap integration into PCL/ROS »](#)

Kai Wurm from the University of Freiburg (Germany) recently visited Willow Garage. During his stay, he worked on integrating the..