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## THREE-DIMENSIONAL MACHINE VISION

**Three-Dimensional  
Machine Vision**

Takeo Kanade



Kluwer Academic Publishers

Springer-Verlag New York Inc., United States, 2011. Paperback. Book Condition: New. 240 x 160 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.A robot must perceive the three-dimensional world if it is to be effective there. Yet recovering 3-D information from projected images is difficult, and still remains the subject of basic research. Alternatively, one can use sensors that can provide three-dimensional range information directly. The technique of projecting light-stripes started to be used in industrial object recognition systems as early as the 1970s, and time-of-flight laser-scanning range finders became available for outdoor mobile robot navigation in the mid-eighties. Once range data are obtained, a vision system must...

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- Authored by Takeo Kanade
- Released at 2011



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