

Intelligent Vision Systems at AIT Austrian Institute of Technology

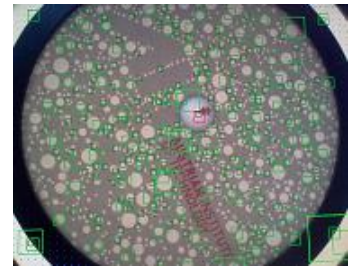
2012 we present the advanced 3D dental scanner live at AIT-booth!

The non-contact scanner enables fully digital dental teeth measurements and got awarded with the Vision Award 2011 and the Inventum Award 2011 (award for the patent of the year). The AIT innovation has been designed as an alternative to the silicon dental imprints currently used by dentists for measuring teeth. But 3D contains potential for further applications e.g. quality inspection of industrial goods, autonomous traffic systems or secure semi-autonomous convoys.



AIT innovations for tasks whereby the human eye is too slow!

High speed is a typical sign for industrial production nowadays. Due to the continuous increase of production speed optical camera inspection of products is hardly possible without contortions. This is why contortions must be eliminated during recordings in real-time for comparing them with target-patterns. The patented AIT technology „FlexWarp“ enables reliable optical high speed inspection work by high camera resolutions.



AIT presents innovative 360° panorama sensor, which works like human vision!

The technology is based on a revolutionary bio-inspired optical CMOS sensor which was developed at AIT and relies on characteristics of the human eye. This bio-visual system is able to detect and interpret relevant information of a 360°- environment in realtime. The sensor architecture is designed for low cost and energy efficient applications on mobile platforms e.g. security services, personal service robots or intelligent automobiles.



Scientific Vision Days 2012

Technology Presentations at the Stand

This year, we would once again like to invite you to attend our presentations about the latest image processing technologies for industrial and medical applications. The presentations will be held at **AIT stand number G17 in hall 1**. Details of the program will be published at the trade fair.

Visit us at Vision 2012:

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