

Press release

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VisualApplets supports the new PCIe frame grabber generation

At VISION 2006, **SILICONSOFTWARE** announces a new intermediate version of the hardware programming software VisualApplets.

VisualApplets is a graphically oriented tool, which simplifies the programming of image pre-processing on FPGAs dramatically. The usage of Visual Applet is based on graphic data flows, which are arranged by the combination of operators and filter modules of image processing libraries. The libraries contain arithmetical and morphological operators for pixel manipulation, logical operators for classification tasks and also complex modules e.g. colour processing and compression.

The intermediate version of VisualApplets supports the new product line of the PCI Express based frame grabber- and coprocessor boards now.

New features of this version are the integration of an object separation and compression methods.

With the usage of VisualApplets there is no configuration necessary for synchronization, timing or avoiding problems with side-effects. Both a synthesis and a high level simulation are integrated and offer full control over the final visual result of the application at any time.

The complete process of the hardware design creation lasts 10-15 minutes on an average. The hardware applet can immediately be used with the configuration software microDisplay or integrated in application by the SDK.

Although knowledge of hardware programming is advantageous, the software solution Visual Applet is addressed to software programmers in Machine Vision as a matter of priority. In first approximation Visual Applet is hardware-independent.

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Silicon Software GmbH, located in Mannheim/Germany, is a manufacturer of intelligent pre-processing solutions based on reprogrammable FPGA technology for machine vision applications. The hard- and software products are designed for flexibility, easy handling and performance featuring user programmable FPGA technology.

Exhibition information

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Booth 4.301
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