Fraunhofer Institute for Integrated Circuits IIS, Germany
Department: Electronic Imaging

To expand our team we are offering:

3-Months Internship for Master Students
(with the option to continue for the Master Thesis)

Topic: Development of GPU based Real Time Image Processing Algorithms under OpenGL ES and Android platform
Supervisor: Dipl.-Ing. Anton Papst

The Electronic Imaging department at the Fraunhofer IIS is developing point-of-view cameras for broadcasting services. For image data processing we are using a graphic processor with OpenGL ES2.0 capability. The porting of the state-of-the art image processing algorithms on the graphics hardware is a challenging task.

Task to be performed:
Do an analysis of the existing techniques and approaches for image processing on the GPU under OpenGL ES 2.0. Implementation of promising algorithms, e.g. for feature point detection. Evaluation of the implemented algorithms regarding speed and quality. The programming framework is Android operating system with Android SDK.

Please send your formal application including CV, motivation letter, latest grades report, and the date of your earliest possible start to:

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