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ARM Joins drawElements Quality Program

HELSINKI, Finland – 6th November, 2013 – drawElements is proud to announce the subscription of ARM Ltd. to the unique graphics processing unit (GPU) analysis system drawElements Quality Program™.

ARM Ltd., the leading semiconductor intellectual property (IP) supplier, expands its quality assurance processes with the adoption of the OpenCL™ and OpenGL ES® 3.0 test modules of the drawElements Quality Program – the dEQP™. The dEQP provides ARM with tens of thousands of automated test cases as well as associated services from drawElements' expert engineers. The added quality assurance strength helps ARM to bring out new technologies faster and with smaller technology risks.

The GPU capabilities are increasingly important for modern smart devices. For example, the success of a device is often determined by fluid user experience, in which the computer graphics plays a significant role. Secondly, according to a recent study (1), game apps take 43% of the total time spent using mobile apps.

The Khronos Group specified programming interfaces OpenGL ES and OpenCL allow applications to tap into the power of the GPUs. As new technology is being brought to the market, sources for real-life test content are scarce and building it is very time consuming. Automated testing with the dEQP ensures the shipped technology meets customer expectations and public specifications. Measuring the quality is an essential tool in controlling the technology risks associated with adopting new technologies, such as OpenCL or OpenGL ES 3.0.

“As a leading company on its field, ARM has a major impact on digital products of today. We are excited to have ARM as our customer and to help them in delivering high quality products. Together we are building a world where customers get products they expect – not just promises.” said Kalle Raita, the CEO of drawElements.

The dEQP is sold as annual subscriptions of technology modules, which scales well for the rapidly changing technological landscape. drawElements constantly collects feedback from customers and other sources to ensure the dEQP measures what really matters in the market.

drawElements has offered an extensive OpenGL ES 3.0 test module already since the launch of the specification in Fall 2012.

The OpenCL module was launched in June 2012 and it covers specification versions between 1.0 and 1.2.

(1) Flurry Analytics, November 2012

About drawElements

drawElements is a software expert company focused on computer graphics technologies for the embedded space. drawElements' main product is the drawElements Quality Program, an analysis tool for measuring the quality of GPUs and their drivers. The company has also been working on related technologies such as runtime optimized blitters, OpenGL ES 2.0 drivers and software rasterizers. drawElements is based out of Helsinki, Finland.

Further information can be found from <http://www.drawelements.com>.

About The Khronos Group

The Khronos Group is an industry consortium creating open standards to enable the authoring and acceleration of parallel computing, graphics, vision, sensor processing and dynamic media on a wide variety of platforms and devices. Khronos standards include OpenGL®, OpenGL® ES, WebGL™, OpenCL™, WebCL™, OpenVX™, OpenMAX™, OpenVG™, OpenGL ES™, StreamInput™ and COLLADA™. All Khronos members are able to contribute to the development of Khronos specifications, are empowered to vote at various stages before public deployment, and are able to accelerate the delivery of their cutting-edge media platforms and applications through early access to specification drafts and conformance tests. More information is available at www.khronos.org.

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