



PRESS RELEASE

For immediate release

OPTIS to showcase THEIA RT, the world's first physically correct real time renderer at Siggraph



Physically correct, real time rendering for designers and engineers alike

Toulon, France Tuesday, July 26, 2011 OPTIS, the world leader in developing light and vision simulation software solutions, today announces THEIA RT the world's first *truly* physically correct real time renderer enabling engineers and designers to work more efficiently, more accurately ...without the wait.

The THEIA RT Suite offers unrivalled accuracy with the inclusion of physically correct materials, colors and light sources giving engineers and designers instant feedback and decision making power.

Offering uncompromised performance based on OpenCL using AMD FirePro™ Professional Graphics Cards, THEIA RT delivers true real time interaction, even on multiple screen systems and in virtual reality centers.

Simply drag and drop physically correct materials and light sources to achieve immediate photorealistic representation creating time to consider multiple design variants in any environment, within any lighting scenario, day or night, all in real time.

A world first, THEIA RT simplifies innovative design when using colors, materials, textures by removing the need to create complex shaders or material definitions. The material and light source libraries found inside THEIA RT contain comprehensive physics based models for use directly in the 3D scene.

Pete Moorhouse, VP Sales & Marketing says “this breakthrough solution, combining scientific based visualization and real time performance, will revolutionize the way in which industry interacts with virtual prototypes. For the first time ever OPTIS has given engineers and designers a tool to make instant decisions on their choices of color, material, lighting and to accurately assess overall perceived quality. With markets becoming increasingly competitive, product development time must be reduced whilst improving final quality standards and we are confident this technology will help our customers compete at the very highest level.”

THEIA RT, based on the proven technology behind the industry standard SPEOS, is unique in taking into account human vision, ensuring results correlate exactly to the way the human eye perceives an object. THEIA RT offers a real time preview of complex ergonomic issues such as sun glare, disturbing reflections and areas of poor visibility – particularly useful for automotive and aerospace human machine interface design and optimization.

Connecting THEIA RT to OPTIS’ unique OMS² point-and-scan material scanner opens unlimited possibilities to capture and create sophisticated, custom material and source libraries. No more time consuming manual creation of colors, materials or textures ... simply one button acquisition directly into the software.

Jacques Delacour adds “when I founded OPTIS 22 years ago, I was convinced that optics would revolutionize rendering due to the fact everything you see is a form of light. I am proud that OPTIS is the first editor able to fully generate images in real time thanks to pure physics. With THEIA RT we have created the missing link between designers and engineers as now any user can manipulate physics simply by using libraries or our OMS² patented scanner.”

The all new THEIA RT suite of products will be on show on OPTIS’ booth number 925 at this year’s SIGGRAPH event in Vancouver, August –9-11.

Another first from OPTIS, physically correct, real time visualization, providing quantitative feedback, making decision making simple without the wait...more than just a pretty picture.

About OPTIS

OPTIS is the world leading software editor for the scientific simulation of light and human vision within a Virtual Reality Environment. Its solutions allow designers, ergonomists and engineers to simulate and optimize lighting performance, product appearance as well as the visibility and legibility of information on Human Machine Interfaces, in a fully-immersive environment.

Since integrating its SPEOS solution in SolidWorks in 2001, CATIA V5 in 2002 and Pro/ENGINEER in 2008, OPTIS is still the only company to provide a light simulation solution fully based on a physical model inside a CAD/CAM software.

OPTIS has delivered more than 6000 licences to 1600 customers in 36 countries worldwide. Users include most of the major automotive, aerospace, electronics, white goods and lighting manufacturers, as well as architects, universities, research laboratories and defence agencies. They use the SPEOS technology to design, simulate and visualise in a Virtual Reality environment, products as diverse as automotive lighting, mobile phone screens and keypads, dashboard and cockpit displays, LCDs, LEDs, luminaires, military detection systems and optics for industrial vision, defence and medical applications.

More information can be found at <http://www.optis-world.com>

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