

Web3D 2009

14th International Symposium on 3D Web Technology

Web3D 2009

14th International Conference on 3D Web Technology
June 16-17, 2009 at Fraunhofer Institute for Computer Graphics,
Darmstadt, Germany

sponsored by:



in cooperation with:



- Annual conference since 1995.
- <http://www.web3d2009.org>
- Important dates
 - Submission deadline: **March 22, 2009**
 - Notification to authors: April 14, 2009
 - Final material delivery: April 27, 2009
 - Conference: June 16-17, 2009
- Full papers (9 pages) and short papers (4 pages)
- Accepted papers will appear in the Symposium Proceedings, published by ACM Press.

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- Organization

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- A new wave of interactive 3D applications rises from the World Wide Web. New technologies are emerging and existing technologies are evolving to enable the third dimension in web browsers. This also leads to the appearance of a new generation of consumers and producers of 3D content in the new Read-Write Web environment.
- 14th in the series (USA, Germany, France, UK, Italy), the Web3D 2009 International Symposium will address this wide range of topics covering 3D hypermedia on the web. The annual Web3D Symposium is a major event, which unites researchers, developers, experimenters, and content creators in a dynamic learning environment. Attendees share and explore methods of using, enhancing, and creating new 3D web and multimedia technologies, such as *X3D*, *VRML*, *COLLADA*, *Croquet*, *MPEG4*, *Java3D*, and *Canvas3D*. The symposium will also address new trends such as interactive 3D graphics applications on mobile devices.
- Web3D 2009 will take place at *Fraunhofer Institute for Computer Graphics (IGD)* in Darmstadt (Germany) close to Frankfurt / Main. The conference is scheduled one week after *EUROVIS 2009* (Eurographics/IEEE Symposium on Visualization, June 10 - 12) in Berlin, Germany. With only a weekend in-between this is a chance for overseas visitors to attend both conferences on one trip. There will be an *X3D Earth Workshop* on technical strategies for scaling up on Monday June 14 at IGD.

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Topics of interest include but are not limited to:

- Interactive 3D graphics and immersive systems for servers, desktop and thin clients
- High-performance 3D graphics for Virtual Worlds, MMO environments, Mixed and Augmented Reality, and interactive on-line gaming
- Animated humanoids and complex reactive characters
- Integration and interoperation between 3D documents and web/multimedia technologies, including the Semantic Web
- Methods for modeling and rendering complex geometry, structures and behaviors
- User-interface paradigms and interaction methods for real-time 3D graphics and virtual environments
- Innovative 3D web applications in industry, science, medicine, culture, entertainment and education
- Novel 3D content creation technologies and tools – including both on-line and off-line content creation
- Interactive 3D graphics for mobile devices like Smartphones, PDAs and UMPCs

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- Web3D 2009 will take place at [Fraunhofer Institute for Computer Graphics \(IGD\)](#) in Darmstadt, Germany. Darmstadt is located close to Frankfurt / Main in the center of Germany. International Airport Frankfurt is only 15-20 minutes away and accessible by train, car and shuttle bus.
- IGD focuses on the development of product prototypes (hard- and software) and the realization of concepts, models, and solutions for computer graphics and its adaption to specific application requirements. The work is rounded off by object-oriented basic research projects and the realization of single devices and computer graphics systems with pilot character (e.g. virtual and augmented reality, mobile computing, and security technologies). About 200 full-time researchers deal with all aspects of Computer Graphics and its applications. IGD performs about 300 studies, research projects and product prototype developments per year.



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- A lot of demos during the exhibition including: Heyewall 2.0, CAVE, Augmented Reality (iTACITUS, MATRIS), etc.
- There will be a Demo Showcase where X3D content from speakers and attendees will be presented on our immersive installations Heyewall and Cave
- Tutorials on the June 16-17 (Proposals are welcome)
- Large barbecue in the garden of IGD on the first day

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- Accommodation

New Welcome Hotel in Darmstadt which is located next to IGD, the Technical University Darmstadt and the cultural facilities in and around Karolinenplatz and the park "Herrngarten"



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