



ANNOUNCEMENT AND CALL FOR ABSTRACTS:

**2010 Spring PC-based
Simulation Working Group
Meeting sponsored by
Infoscitex Corporation for the
Air Force Research Laboratory
at South Point Hotel & Casino,
Las Vegas, Nevada.**

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April 20 & 21, 2010
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You are invited to participate in the PC-based Simulation Working Group meeting on April 20 – 21, 2010 at the South Point Hotel & Casino, Las Vegas, NV. The purpose of the PC-Based Simulation Working Group (PCWG) is to provide a forum to discuss issues and exchange information pertaining to the use of Personal Computers for both real-time and non-real-time simulation applications. In particular, because simulation can be applied to a wide spectrum of activities, this Working Group will focus on the simulation of Aerospace Vehicles and their related subsystems. In addition, because of the wide versatility of PCs, this Working Group will not be limited to one particular operating system, but rather include all PC-Based operating systems.

DETAILS

There are two focus areas for the meeting:

- 1.) Discuss hardware and software issues related to simulation architectures, modeling tools, and analysis tools for virtual and constructive simulations, and
- 2.) Obtain the latest information on commercial and home grown visualization languages and tools.

We are soliciting abstracts for the following topics:

- High-performance computing technologies, models and algorithms, taking advantage of multi-core CPUs via multi-threading and parallel processing applications
- Open Source applications and experiences (including software.forge.mil), toolkit and framework development experiences and innovative application approaches
- Gaming technology use and experiences
- Terrain/Sensor visualization and GUI visualization technologies
- Simulation interoperability, communications, protocols (such as DIS, HLA, Google's protocol buffers)

If you plan on attending and can provide information on one of these topics, RESPOND BY 1 FEB with no more than a one page abstract with picture if appropriate. Absolutely NO sales pitches or repeat performances please!

Where: South Point Hotel & Casino
9777 Las Vegas Blvd., Las Vegas, Nevada, 89183
Phone number: 1-866-791-7626 (please be sure to mention that you are with the PC Working Group Meeting)

When: 20 April 2010 (0830 – 1700) – Tuesday
21 April 2010 (0830 – 1700) – Wednesday

Cost: \$185 Early registration (by 31 Jan 10)
\$205 from 1 Feb - 14 April 10
\$225 after 14 April 10

Register at www.istdayton.com/pcwg.

Contact Ann Hoelscher at ann.hoelscher@wpafb.af.mil for additional information on the early registration.

Registration Deadline: It is requested that anyone wishing to attend the meeting reply to Bret Givens by 2 March 2010. The following information is requested from each person that will be attending: Organization Name, Mailing Address, Phone Number, Fax Number, E-mail Address, and whether or not you will be making a presentation. Since the meeting will be unclassified, Security Clearance information is not required. However, due to the nature of the discussions, attendance is, as always, limited to DoD, DoD contractors and NASA civilians and we will ask for the DD 2345 Form from contractors who can't be verified.

Membership:

Because of the broad range of simulation experience and applications within the U.S., it is important that this Working Group obtain attendance from Government, Industry and academia. In addition, attendance should include both users and developers of PC-Based Simulation Applications. Because of the sensitivity of the information being discussed within this Working Group, membership will be restricted to U.S. Citizens Only.

Restrictions:

This Working Group is to be used as a mechanism for meeting and sharing ideas with others working in common areas of interest and expertise concerning PC-Based Simulation activities.

This group is not:

- A mechanism for justifying funding, advocating research ideas or sales pitches.
- A mechanism for critiquing or approving research areas.
- Focused on specific PC-Based research areas or architectures.
- A mechanism for standardizing architectures, software, or techniques related to PC-Based simulations.

Meeting Format:

The purpose of these Working Group Meetings is to exchange information. The best way to accomplish this is through informal, unclassified presentations that are 15-60 minutes in duration. Written papers are not required. However, the presenter should provide documentation if it is deemed necessary for duplicating or implementing the results or techniques illustrated in the presentations. It is also desired that these presentations not involve Proprietary Information. The intent of the meetings, as previously mentioned, is to exchange information, and this will be best accomplished if distribution limitations are removed. This applies to both presented material and software modules.

Information Exchange:

To expedite the data exchange process within the Working Group, a password protected web site has been created that includes all presentation materials related to this Working Group. It will be the responsibility of the presenter to get clearance approval of their presentation materials from their respective organization if required. Information on the Web Site is restricted to U.S. Citizens Only and should not be considered public domain information. In addition to the presentation materials, Working Group Members are encouraged to submit other information such as technical papers, technical reports or software for inclusion on the web site. Finally, this web site has a forum to post questions and receive answers to PC related simulation questions from members of the Working Group.

Points of Contact:

Questions concerning the meeting or its content can be directed to the following:

Jim Zeh (james.zeh@wpafb.af.mil) 937.904.6556

Bret Givens (bret.givens@wpafb.af.mil) 937.429-9008 x204

Matt Duquette (matt.duquette@wpafb.af.mil) 937.904-6569