

Dear (current and future) Fulldome Content Producers

We are pleased to announce a call for submissions for a fulldome showreel that will be presented at the GRAPHITE 2007 (ACM SIGGRAPH) conference to be held in Perth on the 1-4th of December 2007. We invite you to contribute material for this event, the first of its kind in this part of the world. The fulldome showreel will be presented on the 18m dome screen of Horizon - the Planetarium located at Scitech..

The fulldome showreel will provide examples from a broad range of disciplines, including scientific visualizations, animated shorts, show trailers, works-in-progress, student art projects and experimental works. This is an excellent opportunity to both expose the conference delegates to the potential applications of fulldome content and to showcase the work of artists and animators in the region. In order to maximise the content diversity, each submission is limited to five minutes (including credits).

We encourage you to forward this invitation to any potential contributors.

All questions should be emailed to Paul Bourke (graphite07-dome@siggraph.org)
Fulldome & Stereoscopic Visualisation Chair
GRAPHITE 2007
<http://www.graphite.siggraph.org/>

This event is being generously supported by “Horizon – the Planetarium”, Scitech, and WASP (UWA).



GRAPHITE 2007
many disciplines | one landscape

The 5th International Conference on
Computer Graphics and Interactive
Techniques in Australasia and
Southeast Asia

December 1-4, 2007
Perth, Western Australia

GRAPHITE 2007
Mailbag 202
University of Western Australia
35 Stirling Highway
Crawley
Western Australia 6009

Email : graphite@bur.st
Web : www.anzgraph.org/graphite2007

Technical Guidelines for the GRAPHITE Fulldome Showreel

Content formatting

1. Movies are to be supplied as individual frames, each an equidistant azimuthal fisheye projection, also referred to as a polar fisheye.
2. Area outside circular fisheye region of the image shall be black.
3. The minimum resolution accepted will be 2000x2000 pixels, the maximum resolution is 3600x3600. Please supply the frames at the size they were originally rendered at, do not scale up from lower resolution frames.
4. Frame rate is 30fps progressive, the maximum duration including credits is 5 minutes.
5. Each image should be a 24 bit image (no alpha channel), preferably using TGA (ideally with RLE compression) but frames as PNG or high quality JPG will be accepted.
6. Frames should be numbered according to the following (largely industry standard) naming convention: ShortName_00000.tga, ShortName_00001.tga, etc.
7. Fisheye orientation shall have the bottom of the image projected onto the front of the planetarium, the left of the image projected to the left of the planetarium. Note that while the Horizons planetarium is a tilted dome with unidirectional seating, in general material created for a horizontal dome will be acceptable in a tilted dome.
8. Audio submission may be supplied as stereo or 5.1 surround. These should be supplied as WAV files, timed for synchronization with 30fps video playback. The duration of the audio supplied must exactly match the total duration of the frames.
9. Audio shall be provided as one file for stereo submissions, or with each channel in a separate file for 5.1 audio (front left/right, rear left/right, center). The audio files will be named as follows.
Required: ShortName_frontleft.wav and ShortName_frontright.wav
Optional: ShortName_center.wav
Optional: ShortName_rearleft.wav and ShortName_rearright.wav

Submission deadlines

- 1 Sept 2007 Title, short description, sample fisheye image, and fulldome content use agreement. These will form the basis of any online or printed material.
- 1 Nov 2007 Final rendered frames and audio. They should be sent to:
Paul Bourke, WASP, M024
University of Western Australia
35 Stirling Hwy, Crawley, Perth 6009
Australia

Requirements for a successful submission (1 Nov 2007)

1. All frames are to be supplied on DVDs, a FireWire or USB-2.0 hard drive. Drives will be returned at owner's expense after the GRAPHITE conference. Drives shall be formatted as Fat32 (if you are using MSWindows/Linux) or Mac OSX file system.
2. Audio files of exactly the same duration as the frames when assembled at 30fps.
3. Sample QuickTime movie at 480x480 pixels.
4. Filled out and signed fulldome content use agreement form.

The organisers reserve the right not to include content that is deemed to be below standard or inappropriate for a public audience.

Fulldome Content Use Agreement

Fax to: Paul Bourke on 64 8 6488 8088 no later than 31 Sept 2007

1. The fulldome content ("Content") provided by the Contributor ("Contributor") is for demonstration at the GRAPHITE 2007 conference.
2. The Contributor warrants that its creative work shall be original and subject to legal protection as such, and that the Content provided shall not infringe upon or violate any copyright or patent.
3. Contributor indemnifies Scitech, GRAPHITE, and organisers against all actions, civil or criminal claims or demands that may arise out of sound or picture content of the Content or any exhibition of it.
4. The organisers will make every effort to ensure that all Contributors' Content is properly presented, but assumes no responsibility if Content submissions have errors, technical problems, or are not in compliance with the technical specifications.

Please acknowledge your acceptance of the terms and conditions of the Fulldome Content Use Agreement by completing the following. For questions on the Content Use Agreement, contact Paul Bourke by email at graphite07-dome@siggraph.org.

Full Name: _____ Organization: _____

Signature: _____ Date: _____

Title of Content: _____

Content Type: Scientific Visualisation Show Trailer or Excerpt
 Experimental /Art Other _____

Total Running Time (including credits): _____ seconds

Contact name: _____

Organization: _____

Mailing Address: _____

Telephone: _____ E-mail: _____

Production Credits: _____
