

Note: More speakers can be accommodated. Please submit new abstracts [here!](#)

Each presentation will be allocated 20 minutes (15 minute presentation plus 5 minutes questions)

December 6, 2004: Day One

8:30 to 9:10 Registration

9:10 to 10:30 Session 1 - Keynote

9:10 to 9:20 Welcome

9:20 to 10:30 Dr Mark Billinghamurst , Hitlab
"Next Generation Visualisation"

10:30-11:00 Morning Tea



11:00 to 12.30 Session 2 - Virtual Reality 1
Dr Darran E Edmundson, ANU

11:00 to 11:20 "Leveraging the OpenSceneGraph to create an interactive water inundation viewer"
Mr Hugh Fisher, ANU

11:20 to 11:40 "Procedural 3D graphics in Python/Performer"
Dr Peter Morse, UniMelb

11:40 to 12:00 "AVIARy: Audio Visualisation Interactive Augmented Reality"
Mr Mark Barry, QUT

12:00 to 12:20 "Using VRML to present visualisation of Engineering Finite Element Results"

12:30 to 13:30 Lunch



13:30 to 15:00 Session 3 - APAC Visualisation - Show and Tell

1. Dr Masahiro Takatsuka, USyd - "Java-based Visual Programming for Visualization"
2. Dr Michael Jones, GU - "Spacially

- 13:30 to 15:00 variant direct volume rendering in hardware"
3. Mr Mark Dwyer, QUT - Awaiting Abstract
4. Dr Karen Haines, UWA - "Distributed Interactive Virtual Environments"

15:00 to 15:30 Afternoon Tea



15:30 to 17:00 Session 4

Mr Alexander Streit, QUT

15:30 to 15:50

"Java as a visualisation platform"

Mr Alexander Streit, QUT

15:50 to 16:10

"A taxonomy of graphics clustering techniques"

Mr Stuart Ramsden, ANU

16:10 to 16:30

"Periodic 3D Networks from Planar 2D Hyperbolic Tilings"

Mr Barnard Meade, UniMelb

16:30 to 16:50

"Distributed Rendering in a University Environment"

APAC/QPSF

Project Discussion

(Facilitated by Ian Atkinson)

Concurrent with session 4

18:30 -



December 7 , 2004: Day Two

9:30 to 11:00

Session 5 - Virtual Reality 2

Mr David Beard, Geoscience Australia

9:30 to 9:50

"From Rocks to Eye-Candy using VRML, animations and movies to visualise geoscientific information"

Mr Paul Bourke, Swinburne University

9:50 to 10:10

"Hemispherical dome projection for

visualisation, education, and entertainment."

Dr Matthew Hutchins, CSIRO

10:10 to 10:30 "Temporal bone surgery training using networked haptic workbenches: an update"

Mr Drew Whitehouse, ANU

10:30 to 10:50 "Eaten Alive - A high resolution stereographic location based exhibit at the National Science and Technology Centre (Questacon)"

11:00-11:30 Morning Tea



11:30 to 13:00 Session 6 - Volume & 3D Graphics

Dr Francis Clark, UQ

11:30 to 11:50 "Real time analysis of noisy 3D datasets"

Dr Jasmine Banks, UQ

11:50 to 12:10 "Automatic particle picking algorithms for visualisation of biological macromolecules"

Mr Ajay Limaye, ANU

12:10 to 12:30 "VolumeRendering 201"

Mr Christoph Willing, UQ

12:30 to 12:50 "Shared Applications in the Access Grid"

13:00 to 14:00 Lunch



14:00 to 3:30 Session 7 - Flow Visualisation

Mr John Keogh, QUT

14:00 to 14:20 "Function Based Flow Field"

Visualisation and Animation"

Mr Lance De Vine, QUT

14:20 to 14:40 "Line Integral Convolution (LIC) and Related Techniques for the Visualisation of Vector Fields"

Dr Stephen Jeffrey, UQ

14:40 to 15:00 "Construction of a laparoscopic surgery simulator for training and maintenance of surgical skills"

Mr Drew Whitehouse, ANU

15:00 to 15:30 Announce OzVis05 & Close

15:30 to 16:00 Afternoon Tea



Provisional Program (as at 1-Dec)

Last Updated: 22/11/2004