CineGrid Working Groups intro

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They pay this trip :-)

Contents

Structure

- Working groups are bottom up grass roots community efforts!

- Working groups happen to come into existence because the community sees a need for a forum on a certain subject.
  - To have one place to meet/contact experts on a particular subject
  - To have a discussion, make conceptual progress, knowledge exchange
  - To organize infrastructure, experiments, demonstrations, middleware/tools

- Working groups have a lightweight structure:
  - 2 co-chairs
  - A liaison to the executive committee
  - Will meet at annual CG event, may meet at interim meetings (NAB, IBC, SC, …)

- Working groups will happen because they serve the communities needs, not because we say so!

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2. Example from GLIF charters

3. Proposed CG WG's

4. Discussion about the list

5. Plan for rest of the week

6. Q/A

The main objectives of the 2004 GLIF meeting

GLIF Governance and policy

Our small-scale Lambda Workshop is now turning into a global activity. TransLight and similar projects contribute to the infrastructure part of GLIF. A good and well understood governance structure is key to the manageability and success of GLIF. Our prime goal is to decide upon and agree to the GLIF governance and infrastructure usage policy.

GLIF Lambda infrastructure and Lambda exchange implementations

A major function for previous Lambda Workshops was to get the network engineers together to discuss and agree on the topology, connectivity and interfaces of the Lambda facility. Technology developments need to be folded into the architecture and the expected outcome of this meeting is an agreed view on the interfaces and services of Lambda exchanges and a connectivity map of Lambdas for the next year, with a focus on iGrid 2005 and the emerging applications.

Persistent Applications

Key to the success of the GLIF effort is to connect the major applications to the Facility. We, therefore, need a list of prime applications to focus on and a roadmap to work with those applications to get them up to speed. The demonstrations at SC2004 and iGrid 2005 can be determined in this meeting.

Control Plane and Grid Integration

The GLIF can only function if we agree on the interfaces and protocols that talk to each other in the control plane on the contributed Lambda resources. The main players in this field are already meeting, almost on a bi-monthly schedule. Although not essential, this GLIF meeting could also host a breakout session on control plane middleware.

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Candidate WG Themes 1-3

1. <u>CineGrid Exchange (22)</u>: Networked Storage, Distribution, Exchange and Archiving of Digital Media for CineGrid members

2. <u>CineGrid Distribution Mastering ToolKit (5)</u>: Development of Open Source Mastering Tools for Secure Networked Media Distribution, starting with DCI-compliant 4K/2K DCP encoded with JPEG 2000 (CineGrid Exchange Support Tools)

3. <u>CineGrid Cultural Media Restoration (8)</u>: Workflows, systems, tools and techniques for network-distributed ingest/scanning of film/video/audio content, digital processing with human-in-the-loop interactive remote-control and collaboration, and ascension of the restored media assets into the CineGrid Exchange for access by CineGrid members

Candidate WG Themes 4-9

4. <u>Streaming Audio & Video (19)</u>: Systems for Live Performance Multicasting, Interactive Telepresence and Interactive Remote Collaboration

5. <u>Moving Media Faster (5)</u>: Tools and Techniques for Accelerating Big Digital Media Transfer over Fat Long Pipes

6. <u>Compression for Storage and Transmission (4)</u>: Encoding and Decoding of Sound and Motion Pictures at HD, 4K and Beyond

7. <u>Media Transcoding and Format Conversion (0)</u>: Up-converting, down-converting and so much more (CineGrid Exchange Support Tools) --> 1

8. <u>CineGrid Security (1)</u>: Content Protection for Very High Quality Media using Very Fast Networks --> 1

9. <u>Networked Workflows for Production & Post-production (13)</u>: Audio and Video

Candidate WG Themes 10-15

10. <u>CineGrid Creative Arts Collaboration (13)</u>: Concepts, Tools, Artists and Infrastructure for International Networked Arts Projects

11. <u>Stereoscopy (7)</u>: Theory and Practice of Stereo Acquisition/Generation, Post-production, Playback, Display and Perception

12. <u>CineGrid Education (5)</u>: Resources, Methods, Collaborative Projects for Students and Teachers

13. <u>Remote Collaborative Workspaces (14)</u>: Using Networks to Collaborate on Media-related Work, Using Networked Media for Remote Collaboration of all Types

14. <u>CineGrid Nodes (2)</u>: Designing and Integrating Next Generation Networked Media Environments for Audience Presentations and Content Creation

15. SunShine (144): Sitting outside and enjoying the sun!

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The list

- Program says:
  - CineGrid Exchange
  - Streaming Audio and Video
  - Production and Post production Workflow
- To correct and add during talk :-)

Candidate WG Themes

1. CineGrid Exchange, Security, Moving Media Faster (21)
   o   4004

2. CineGrid Distribution Mastering ToolKit, Media Transcoding and Format Conversion, Compression for Storage and Transmission, Streaming Audio & Video (19)
   o   5302

3. CineGrid Networked Workflows for Production & Post-production, Live streaming camera's, Cultural Media Restoration (16)
   o   5004

4. CineGrid Creative Arts Collaboration, Remote Collaborative Workspaces, Education, Nodes, Beyond 4k, Stereoscopy (16)
   o   outside

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Plan for the rest of the week

- Meet today, Tuesday and Wednesday during lunch

- Take notes that will be published, collect slides, send to CG-secretariat

- Make small few slides summary

- I will call co-chairs to present Wednesday 14h15-15h00 session

- Rooms:
  - 4004 largest group
  - 5302
  - 5004
  - Outside at the tables

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Questions ?

www.cinegrid.org
www.cinegrid.nl
www.supertube.org
www.science.uva.nl/~delaat