



CineGrid Amsterdam

Cees de Laat

On behalf of the CineGrid Amsterdam Collaboration

→ please switch off phone! ←

A large crowd of people is shown in a dimly lit setting, likely at night. Many individuals are holding binoculars to their eyes, and some are using cameras. The scene suggests a public event or a group of people observing something of interest. The lighting is primarily blue and dark, creating a focused and somewhat somber atmosphere.

SEEING IS BELIEVING

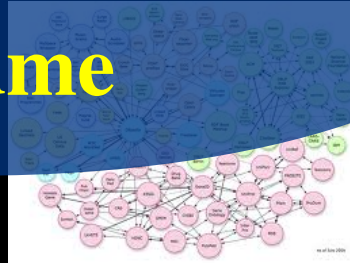
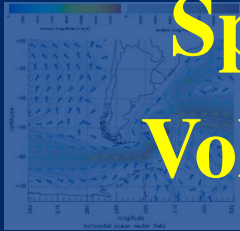
... more data!

Internet developments

Google

Speed
Volume

DATA



Deterministic

Real-time



twitter



Scalable

Secure

Linked in



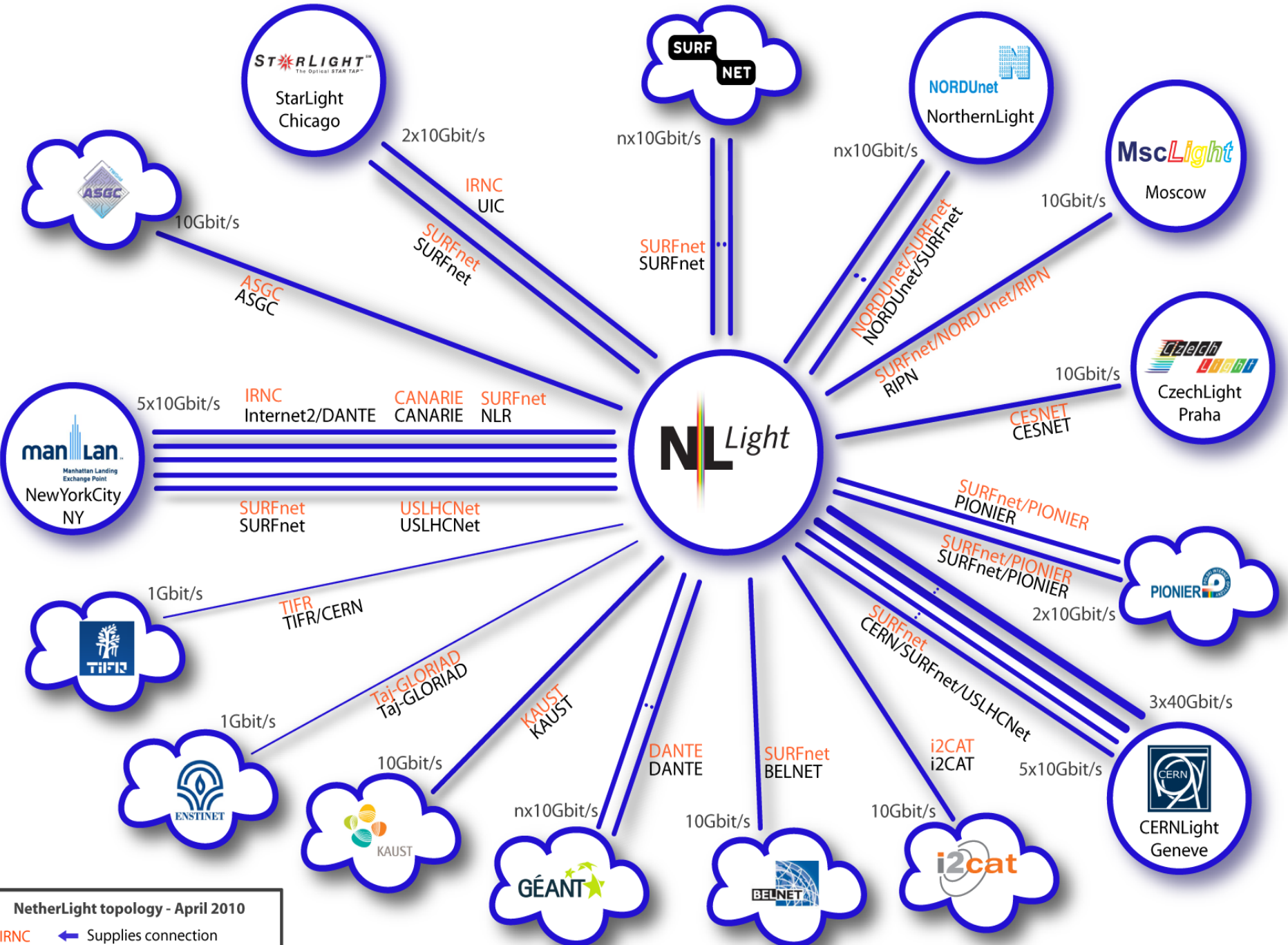
myspace
SchoolBANK

Hyves

flickr
from YAHOO!

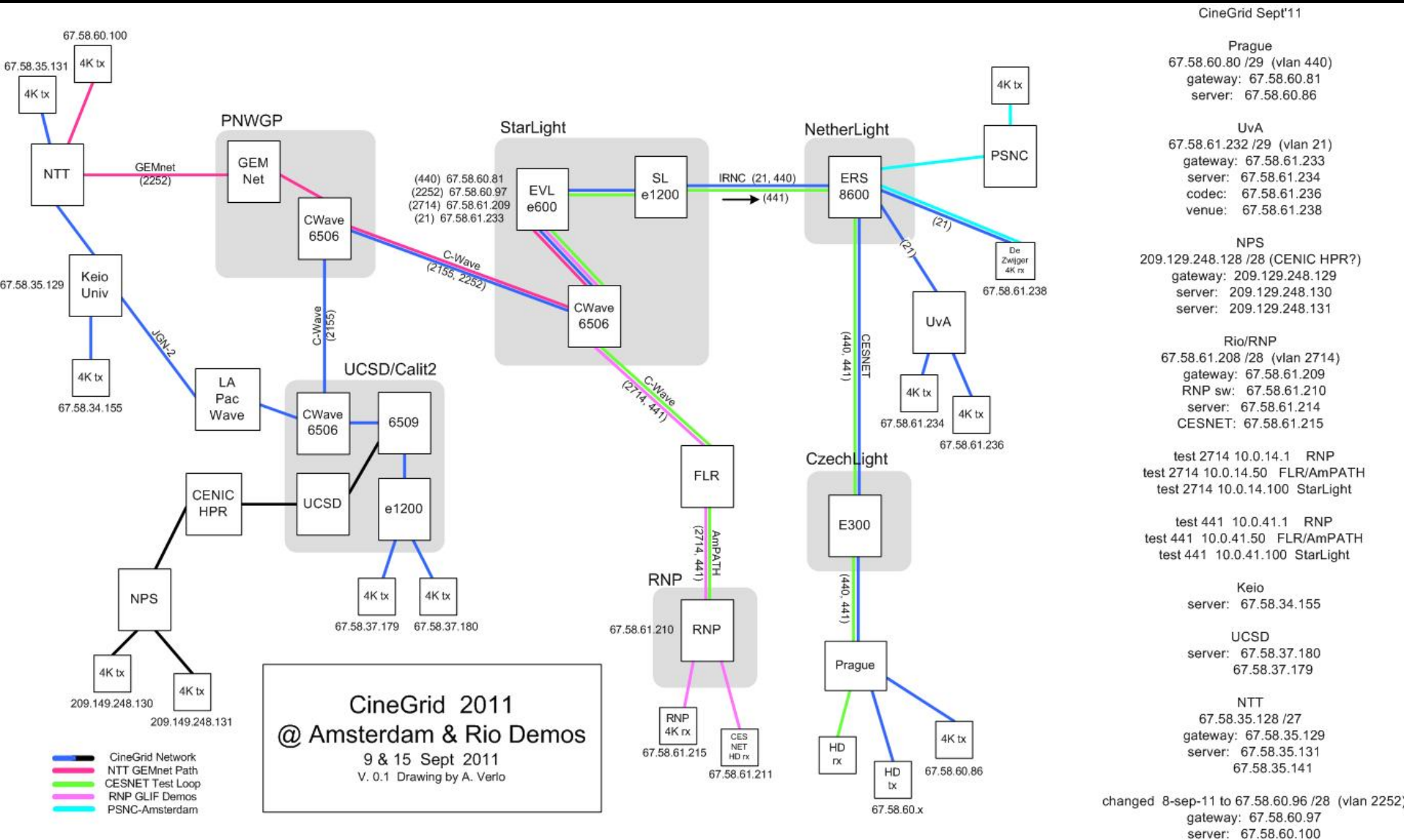


... more users!



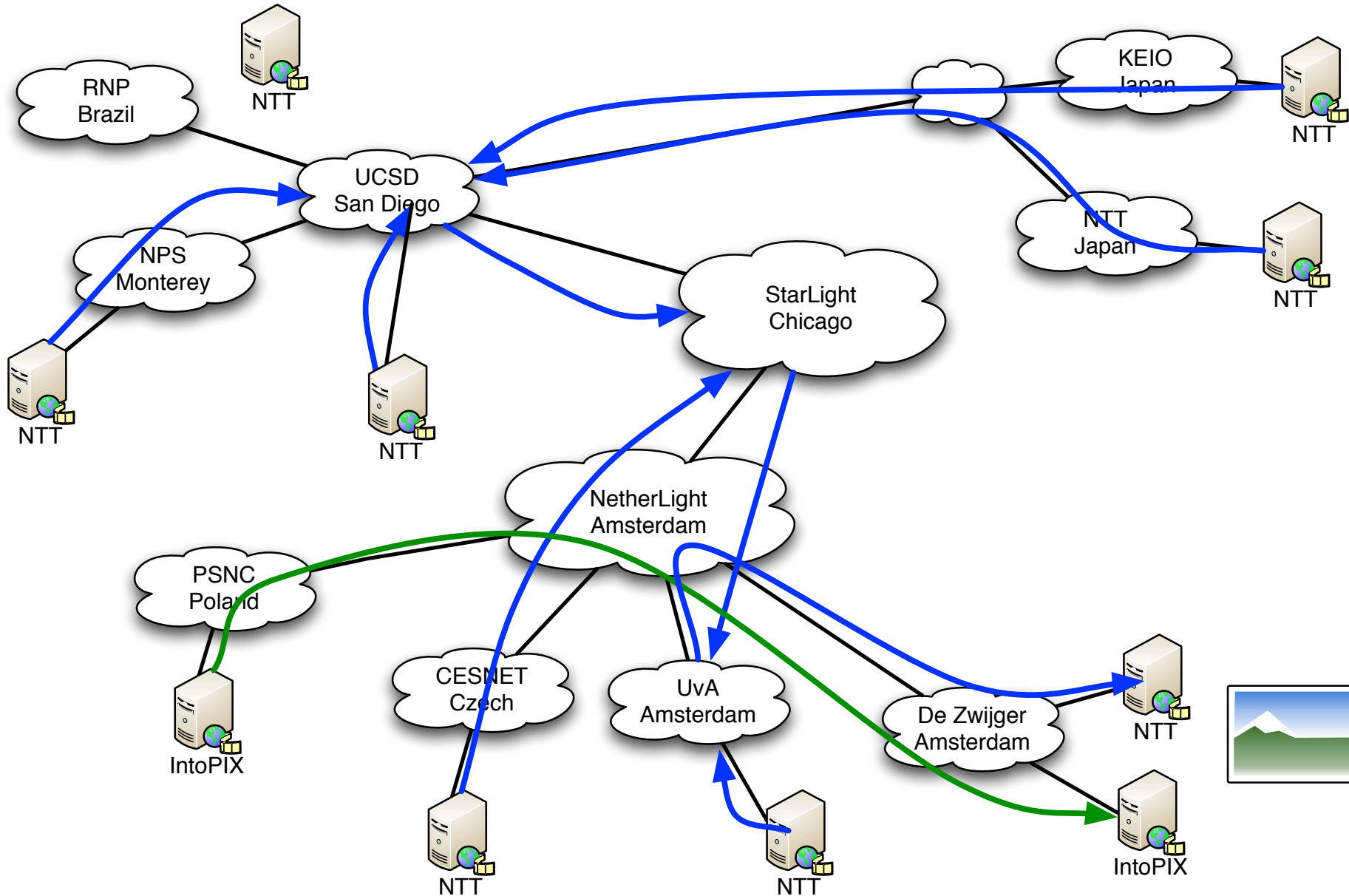
NetherLight topology - April 2010
 IRNC ← Supplies connection
 SURFnet ← Controls usage of connection

The Network @ CG-AMS 9/9/11



changed 8-sep-11 to 67.58.60.96 /28 (vlan 2252)
gateway: 67.58.60.97
server: 67.58.60.100

The Network @ CG-AMS 9/9/11



CINEGRID AMSTERDAM GOALS

Assemble technology, science, art and education to create new concepts, pilots & business models that result in:

- New forms of storytelling
- New domains for scientific exploration
- Transformation of workflows in creative media production
- Better education
- Enhanced economic growth





EXPAND

PROJECTORS

Sony's First Ever 4K Home Theater Projector Shoots Super Resolution for Super Cash

4K video might be our inevitable future, but for now it's prohibitively expensive and rarely available. Sony's taking care of the latter part with its new VPL-VW1000ES projector—four times the resolution of 1080p (!) for mega,

BY SAM BIDDLE

SEP 8, 2011 12:48 PM

Share

Like

58

12,477 70



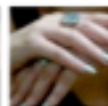
Gizmodo op Facebook

Vind ik leuk

272,092 mensen vinden Gizmodo leuk.



Jim



Amanda



Monika



Jennifer



Baz

PARTNERS

CONSORTIUM PARTNERS

SURFnet, UvA, SARA, Dutch Film- and Television Academy, DELL, TNO, Holland Festival, Blender Institute, Sandberg Institute, MediaGuild, Waag Society

COLLABORATORS

Poznan Supercomputing Center, Amsterdam Innovatie Motor, UCSD, University of Illinois, NHK, KTH, KEIO University, Pathé Benelux, Filmmuseum, Salto, Nationale Computer Faciliteiten, IDFA, BeamSystems, ISOC, IDFA, DutchView, PICNIC, GridForum and many more

CINEGRID AMSTERDAM

Research-, development- and outreach facility
for production, transport and projection of
digital cinema:

- Digital projection and sound in very high quality
- Editing and capture facilities
- Rendering & disk space
- Extremely high quality networks

In the center of Amsterdam

International context



RESOURCES

- CineGrid Studio for 4K postproduction
 - 100 TB of Highly Connected Storage Space
 - High Performance Render Cluster
 - 3 * 4K Screens and
 - 1 - 10 Gb/s light path connections
-
- Expertise in
 - - production
 - - encoding
 - - transmission
 - - screening



SO FAR

Mediapark Jaarcongres '08 '09 '10

Holland Animation Film Festival

Holland Festival '07 & '10

Content, content content..

Educational contest

4K How to Cookbook

PICNIC '08 & '09

SURFnet GigaPort

Workshops 4K

ICT Delta '09

BeamLab





Handelingen Maarten de Heer



Red End
Robin Noorda & Bethany de Forest

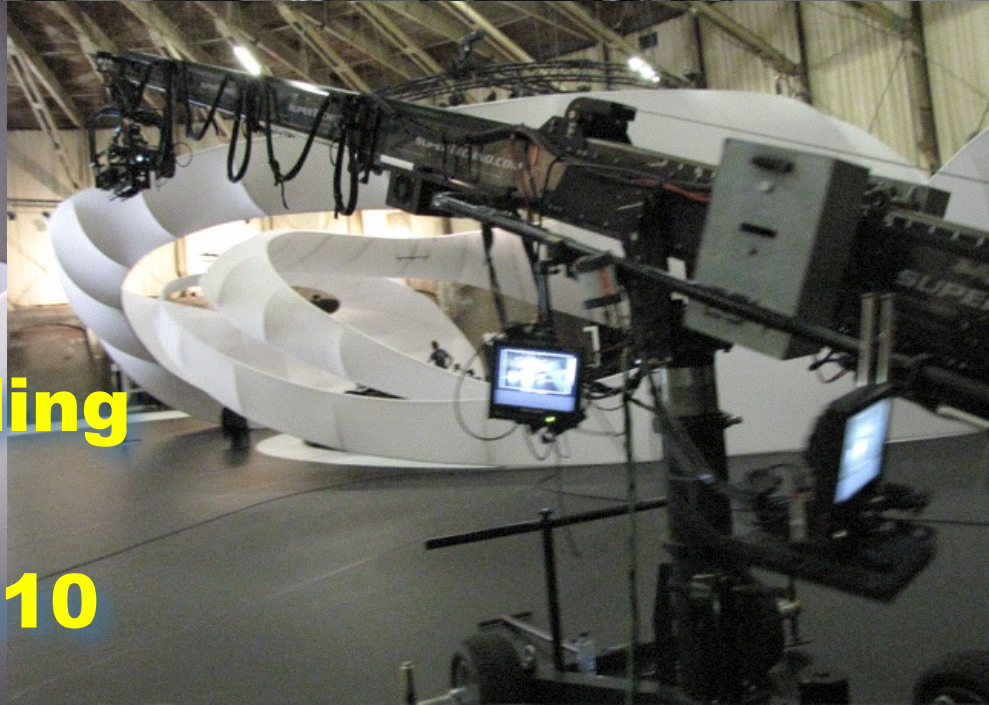


Hey, sit still.



We're almost done. Sshh...





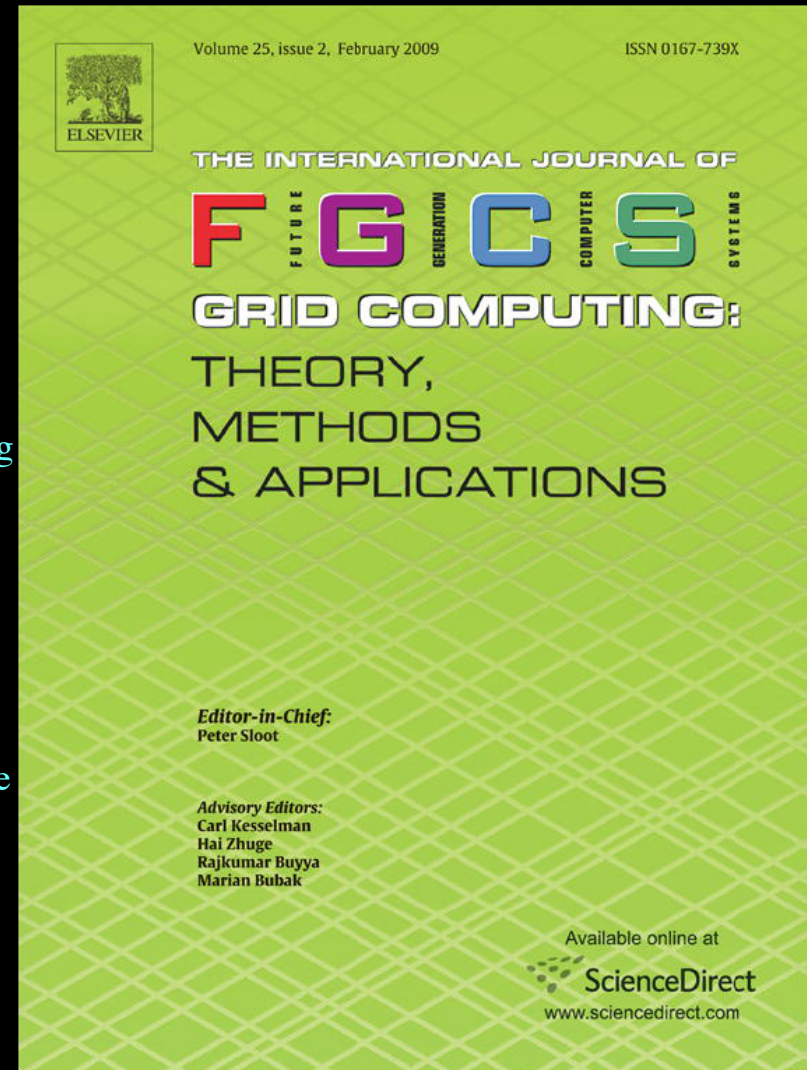
STEREO 4K Recording
Viktorija Mullova
Holland Festival 2010

Scientific Publications: FGCS Special Issue on CineGrid!

Volume 27, Issue 7, June 2011

Guest Editors: Naohisa Ohta & Paul Hearty & Cees de Laat

1. Real-time long-distance transfer of uncompressed 4K video for remote collaboration.
2. Media Network (HPDMnet): An advanced international research initiative and global experimental testbed.
3. Producing and streaming high resolution digital movies of microscopic subjects.
4. Enabling multi-user interaction in large high-resolution distributed environments
5. Tri-continental premiere of 4K feature movie via network streaming at FILE 2009
6. A collaborative computing model for audio post-production
7. Design and implementation of live image file feeding to dome theaters
8. Beyond 4K: 8K 60p live video streaming to multiple sites
9. Using ontologies for resource description in the CineGrid Exchange
10. CineGrid Exchange: A workflow-based peta-scale distributed storage platform on a high-speed network
11. CSTEP: A parallel data transfer protocol using cross-stream coding
12. Multi-point 4K/2K layered video streaming for remote collaboration



CINEGRID IS SUPPORTED BY

City of Amsterdam, Pieken in de Delta

EFRO / Kansen voor West, Province of Noord-Holland



X
X
X Gemeente
Amsterdam



www.cinegrid.nl