

Collaboration GRID

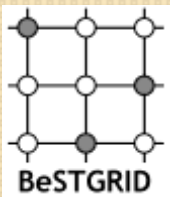
Advanced Video Conferencing

Access GRID

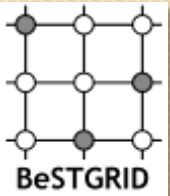
EVO (Enabling Virtual Organisations)

VRE (Virtual Research Environment)

“Low-hanging fruit”



- UKERNA Introduction to AccessGRID









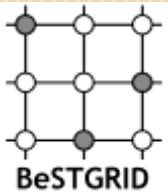




What researchers really want....

A transparent tool that:

- **Absolutely no barriers to getting started**
- User operated
- Requires just a web cam and headset plugged into **my** computer
- Has **no** associated software installation...
- ...and I can tell my collaborators to go to a just a web link
- Is **Cross-platform**: Windows, Linux, Macintosh
- Has **no associated costs** ... research can continue when the grant runs out
- Hi-quality video and sound, multiple cameras, low-latency
- Bridges to standard **H.323 MCU, and SIP sessions**
- **Shared Whiteboard**
- Ability to **share my computer** screen/desktop and 'point'
- Share files, pictures, video
- Works with Unicast or Multicast, no complicated firewall settings





- Funded by Department of Energy (US)
- Developed at Caltech
- Used by researchers worldwide






Team meeting



Microsoft PowerPoint - [Prezentácia programu PowerPoint - [Mouth-Motion-Editor-Prezentácia.pptx]]

Súbor Úpravy Prehľadávač Oľno Pomocník Zadáte otázku

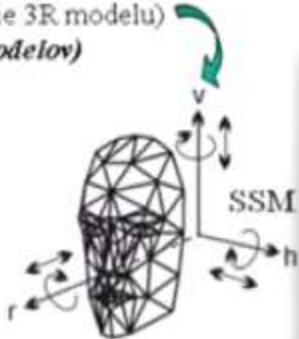
- **Medzi prenášané parametre patria**
 - Tvar, veľkosť a východzia pozícia 3R modelu
 - Textúry (2R obraz)



Stačí preniesť iba raz na začiatku!

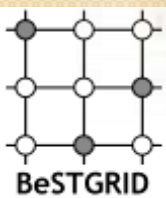
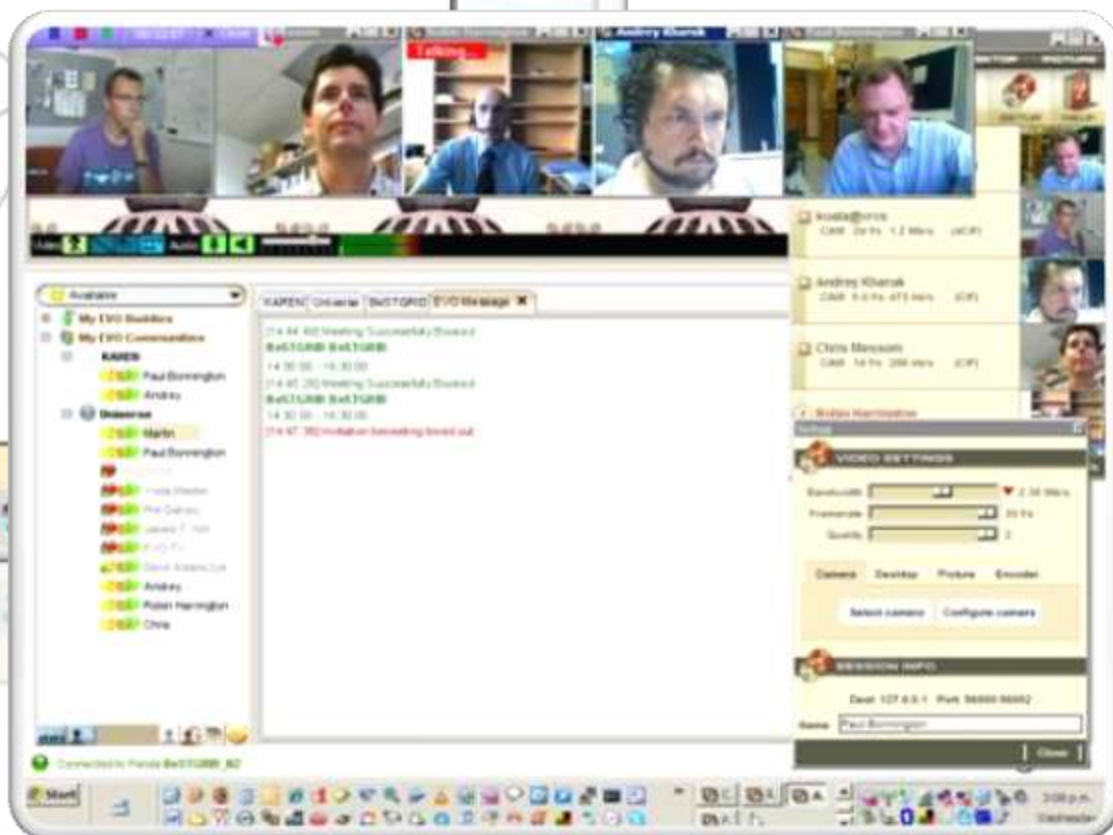
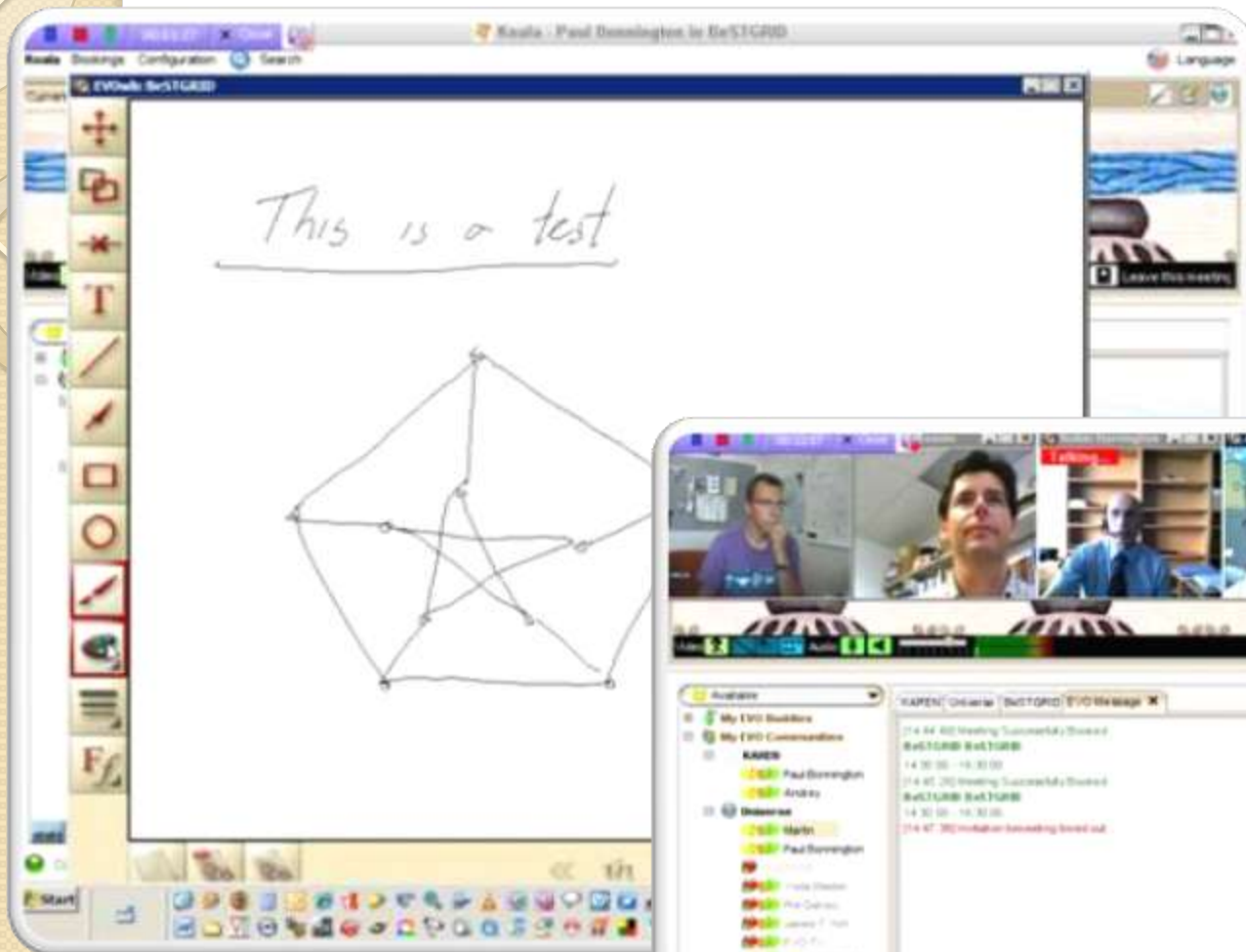
- Pozadie (2R obraz)
- 3R globálneho pohybu (parametre rotácie a translácie 3R modelu)
- 3R lokálny pohyb (animácia - lokálne zmeny 3R modelov)

- **Analýza parametrov v kodéri**
 - Kalibrácia 3R modelu
 - Generovanie textúr
 - Estimácia parametrov globálneho 3R pohybu
 - *Estimácia parametrov animácie (pohyb úst)*



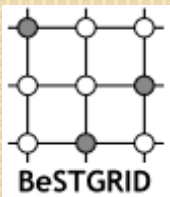
Prezentácia 4 z 13 Výchozí návrh





Virtual Research Environment

SAKAI-VRE



Virtual Research Environments

- At their most basic, these are collaborative environments that enable:
 - communicating via both asynchronous (email, bulletin boards) and real-time (instant messaging, text chat, and less commonly, voice- and videoconferencing) channels
 - sharing documents
 - managing a "virtual organisation" e.g. meeting calendar, project management tools
 - aggregating information e.g. through RSS feeds from sites of relevance.
- “myspace.com” for Researchers

Uptake

- Launched last month, our VRE already has
 - Over 200 self-registered participants
 - involved in over 30 projects in Humanities, Science and Engineering
- Based on the UK JISC work on the SAKAI Virtual Research Enviroment

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Paul Bonnington

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Welcome to "Network of Excellence for CNC (NetExCNC)"

Recent Discussion Items

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Probing Strategy in Part 16

(Xun Xu - May 1, 2007 10:23 pm)

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Hi All

(Paul Bonnington - May 10, 2007 2:32 pm)

Recent Announcements

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Probing Strategy in STEP-NC Part 16

(Xun Xu - May 1, 2007 10:26 pm)

Research Seminar on STEP-NC

(Xun Xu - May 1, 2007 4:42 pm)



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<input type="checkbox"/> Title	Actions	Access	Created By	Modified	Site
NetExCNC Resources	Add Revise Reorder				
<input type="checkbox"/> Official Launch of NetExCNC	Add Revise Permissions	Entire site	Xun Xu	3/16/07	
<input type="checkbox"/> NetExCNC Program of the Launch	Add Revise Permissions	Entire site	Xun Xu	3/16/07	
<input type="checkbox"/> Presentations	Add Revise Permissions	Entire site	Paul Bonnington	3/16/07	
<input type="checkbox"/> Presentations at NetExCNC Launch	Add Revise Reorder Permissions	Entire site	Xun Xu	3/16/07	
<input type="checkbox"/> Original Photos at NetExCNC Launch (07/03/07)	Add Revise Reorder Permissions	Entire site	Xun Xu	3/16/07	
<input type="checkbox"/> Intelligent and Interoperable Manufacturing Systems (IIMS)	Add Revise Permissions	Entire site	Xun Xu	3/16/07	
<input type="checkbox"/> STEP-NC Introduction	Add Revise Reorder Permissions	Entire site	Xun Xu	3/16/07	
<input type="checkbox"/> STEP-NC related meetings	Add Revise Reorder Permissions	Entire site	Xun Xu	4/6/07	

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- Resources 2**
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Site Members:

- Chris Amelung R
- Jim Laffey R
- Bosung Kim D
- Paul Turner C
- Xinxin Huang C

Christiana Kumalasari

Pei-Ju Liu

Piyanan Nuankhieo

David Reid

De Mei Shen

I-Chun Tsai

C: Chat

D: Discussion and Private Messages

R: Resources

↑ RESOURCES

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Location: CANS Exploration Resources

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	Title	Activity	Created By	Modified	Size
	CANS Exploration Resources				
	Desktop Awareness Widgets		Chris Amelung	01/31/06	
	1) EyeOnSakai v4.1		Chris Amelung	02/01/06	
	2) EyeOnSakai v3.0		Chris Amelung	02/01/06	
	3) EyeOnSakai v2.0		Chris Amelung	02/01/06	
	Email Digest		Chris Amelung	01/31/06	
	_README First.html		Chris Amelung	01/31/06	1 KB
	DigestExample.html		Chris Amelung	01/31/06	3 KB
	EmailDigestFAQ.html		Chris Amelung	01/31/06	6 KB
	Relevant Articles		Chris Amelung	01/31/06	

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Co-Present Members

 [Chris Amelung](#)
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... is viewing the _README First.html file...

 [Jim Laffey](#)
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[recent activity](#)

... just created Research.doc in Relevant Articles...

Most Active Resources

1) _README First.html

Author: Chris Amelung
Edits: 2
Views: 35

2) EyeOnSakai.widget

Author: Chris Amelung
Edits: 0
Views: 14

3) carrot2003-awareness.pdf

Author: Jim Laffey
Edits: 0
Views: 12



↑ WSRP CONSUMER ?

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
File Transfer Portlet - Browse

grid-compute.oesc.ox.ac.uk:2811/home/ngs0229 

Name	Size	Time		
 CoGtutorial.pdf	4026746	2005 May 25		<input type="checkbox"/>
 date.out	29	12:35 Dec 9		<input type="checkbox"/>
 largefile.junk	1073741824	2005 Jan 31		<input type="checkbox"/>
 ls_270705.out	93	11:35 Jul 28		<input type="checkbox"/>
 ls.out	5432	15:47 Dec 7		<input type="checkbox"/>
 sleep.out	0	15:24 Jun 23		<input type="checkbox"/>
 testdir1		11:26 Jun 10		<input type="checkbox"/>

Upload file:

 grid-data.rl.ac.uk:2811/home/ngs0229 

Name	Size	Time		
 CoGtutorial.pdf	4026746	16:53 Jun 10		<input type="checkbox"/>
 createlargefile	6113	2004 Dec 3		<input type="checkbox"/>
 date.out	29	12:56 Jun 15		<input type="checkbox"/>
 largefile.junk	1073741824	2005 Jun 9		<input type="checkbox"/>
 ls.out	1006	12:21 Aug 15		<input type="checkbox"/>
 testdir1		16:54 Jun 10		<input type="checkbox"/>

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