



This service takes into account three components detailed below:

## 1) Digital capture of a workshop



- **Audio-visual capture** of all the talks during the conference, 1 dedicated video on the main speaker, audio/vidéo TV quality, PAL resolution.
- **One-day audiovisual equipment renting:** video camera with tripod, audio recording material (1 lapel microphone), 1 multimedia station equipped for high resolution audio-video-image capture.
- **On-site equipment installation,** on-site tests, audio, video, image capture checking. Operator travel costs.
- **On demand options:** pre-event site visit.

## 2) Multimedia stream processing & indexing



- **Transfer of the video,** audio and image files on a dedicated multimedia file server. Audio/vidéo synchronisation with projected slides.
- **Content-based slide Indexing** with **optical character recognition** based on state-of-the-art artificial intelligence research algorithms.
- **Video, audio, image encoding** at standard digital formats with basic video streaming on all existing platforms: Windows, Mac, Linux.
- **Talk structuring and editing** (with speaker names, titles of the presentations)
- **On demand options:** personnalised multimedia processing (eg. Flash streaming, special editing requests).

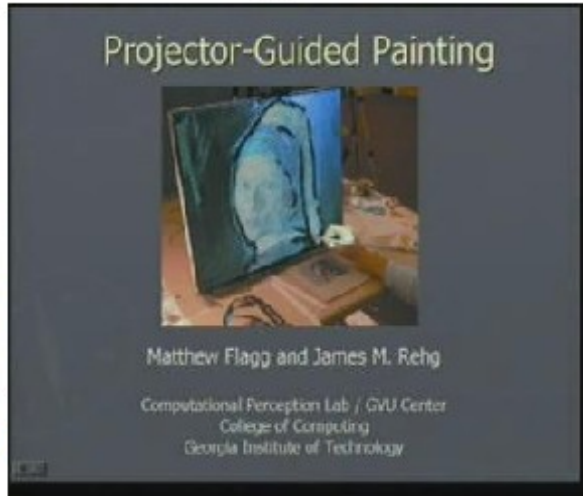
## 3) Webcasting your seminar on the Internet



- **Web pages** presenting the set of structured talks with **online videos** following the specific chronological conference program.
- **Personalised and sophisticated search tool** based on the text appearing in the slides, allowing to retrieve most interesting parts of the talks.
- **1-year internet hosting** renewable on a powerful multimedia file server with audio / video / images, basic **video streaming** service, back-up solution.
- **On-demand options:**
  - Personalised adverts for your sponsors (to be given: logos)
  - Protected access to the videos with a login and a password
  - Personalised web design, streaming, insertion in an existing CMS

## Projector-Guided Painting

Matthew Flagg, James M. Rehg (Georgia Institute of Technology)



## Slide browsing web interface

Display on Canvas

Virtual Rear Projection (VRP) creates illusion of "embedded" display using redundant projection

00:05:59 DIVX real

Geometric Calibration

Projected image Camera view User view

projector-camera homography  
screen-camera homography  
 $P = C^{-1}T$   
Warp image by  $P^{-1}$

00:06:37 DIVX real

Problem: Projecting onto a Painting

# Geometric Calibration

Projected image Camera view User view

$T$ : projector-camera homography  
 $C$ : screen-camera homography  
 $P = C^{-1}T$   
Warp image by  $P^{-1}$

Screen

**Solution:**  
Warp image by  $P^{-1}$

Projector  $T$  Camera

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# Slide search web interface

Found **19** slides

1. [Interacting with Dynamically Defined Information Spaces using a Handheld Projector and a Pen](#) by Xiang Cao, Ravin Balakrishnan (*University of Toronto*)



[ + enlarge ] [ play @ 00:00:48 sec. ]

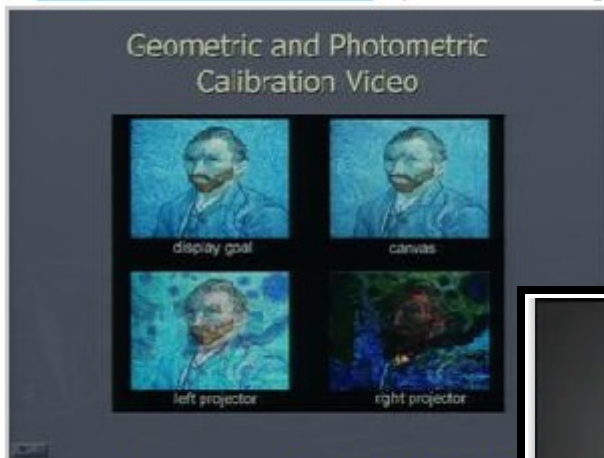


**Extracted text:**

Projectors becoming Mitsubishi Pocket **Projector** PVPm Laser **Projector** Symbol Laser Projection Display Unm of Toronto [...]



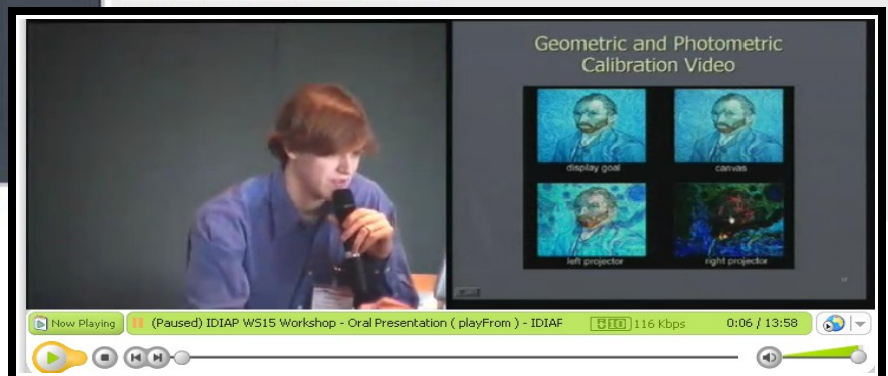
00:00:48 sec.



[ + enlarge ] [ play @ 00:09:16 ]



00:09:16 sec.



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