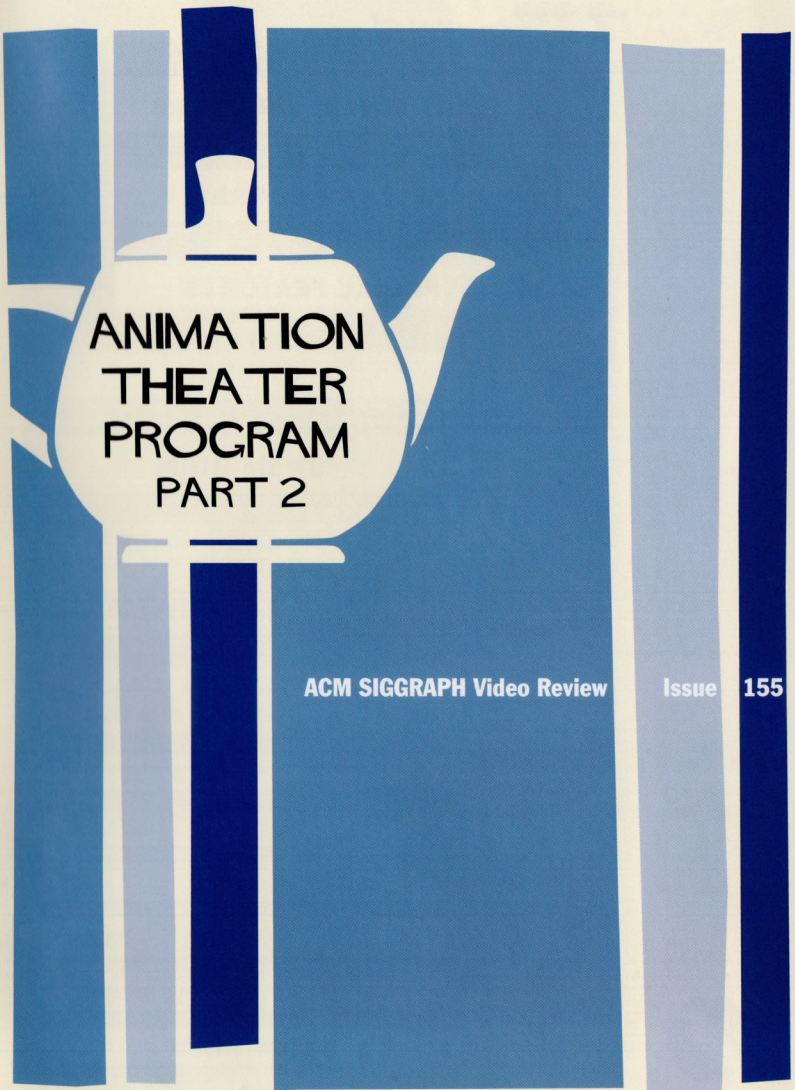




SIGGRAPH2006



ANIMATION
THEATER
PROGRAM
PART 2

ACM SIGGRAPH Video Review

Issue 155



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SIGGRAPH 2006

**ANIMATION THEATER PROGRAM
PART 2**

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Special Features

Computer Animation Festival / SIGGRAPH Video Review Credits

S2006 Art Gallery Video Program Part 2

à tort ou à raison - donc voilà

TRANSREC - Concordia University

C++ - Tepei Kuroyanagi

Akkad - ENSAD

Time Away - Bowling Green State University

01 beloved

2:57

This animation looks into Asperger's Syndrome (AS) and the way that it affects the individual's outlook on the world. It aims to convey a sense of unease and vulnerability, drawing similarities between the viewer's own emotions and those of an AS sufferer. Using an exciting visual style and a contemporary soundtrack, it is an innovative and dynamic short film.

HARDWARE

Dell Workstations / Linux

SOFTWARE

Maya, Shake

Director: Alex Wilkie

Producer: Bournemouth University NCCA

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02 theros

2:27

"Theros" (harvesting in ancient Greek) is a non-narrative character based piece, which through the use of strong imagery and repetitive animation delivers a visual, emotional and political message. The overall look is non-realistic with abstract forms and loose representations of a plausible reality. Behind the visuals, the project involves many technical issues.

HARDWARE

Dell Workstations / Linux

SOFTWARE

Maya, Shake, MentalRay

Director: Georgios Cherouvim

Producer: Bournemouth University NCCA

Contributor: Ioannis Cherouvim

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Four sit on a sofa and watch football, two guys, a girl and a 'Black Sheep'. That's where the trouble begins. After a while, the Black Sheep is getting bored by the game and starts its own entertainment. It sticks its slimy tongue in the girl's ear, then swallows one guy's beer, smashes it and munches the other guy's last bit of pizza. Fed up with all that, the sofa people are about to whack the Black Sheep, but it shoots its next weapon, a long fluttering fart. The guys and the girl dismiss their attack and cover their faces. The Black Sheep seems to be in control again as the doorbell rings. This time it seems the Black Sheep is in trouble as it looks around in panic and its teeth clatter. The G.E.Z. is at the front door.

In Germany, you have to pay a fee if you connect a TV or a radio to an antenna. The G.E.Z. is the institution that ensures everyone pays the fee. If not, 'it gets expensive'. This commercial is for those who do not pay, they are the stinky Black Sheep.

HARDWARE

NVIDIA Graphics

SOFTWARE

SOFTIMAGE|XSI, Photoshop, Avid,
Digital Fusion/Flame, DVD Studio Pro

Director: Peter Spans

Producer: Kathrin Juergensen

Contributors: Client: Suedwestdeutscher Rundfunk; Agency: Toepfer, Grenville, Crone; Production Company: Spans & Partner GmbH; Service Company: Heller, Pfennig & Co.; 3D Animation, VFX, Postproduction: Spans & Partner GmbH; Animation Director: Peter Spans; Executive Producer: Martinique Spans; CG Supervisor: Martin Chatterjee; Character Modeling: Jakob Schulze-Rohr; Creature TD: Martin Chatterjee; Character Animation Lead: Jakob Schulze-Rohr; Character Animation: Markus Geerts; Hair, Fur: Markus Geerts; Texturing Lead: Kristy Wagenknecht; Texturing: Markus Geerts, Cornelia Prescher; R&D Programming: Samy Makki; Render Wrangling: Tom Sporer, Markus Geerts; Compositing Lead: Gabriel Reichle; Compositing: Markus Reithoffer; Tracking, Matching: Andreas Schulz, Tom Sporer, Markus Geerts, Kristy Wagenknecht; Actors: Sascia Haj, Patrick Dreikauss, Hartmut Jonas

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Sharing Bears

1:09

Danny Bear sings a happy song about sharing among black bears, white bears, brown bears, and even panda bears.

SOFTWARE

Maya 6.5, Photoshop, After Effects, Premiere

Director/Producer: Steven Ford

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Relighting Human Locomotion

2:00

This film presents new research that processes high-speed photography of a walking or running actor so that they can be rendered from novel viewpoints and in novel lighting conditions. The actor is filmed with three high-speed cameras as they walk on a rotating treadmill under lighting conditions changing at 1000 frames per second. In 45 seconds, over 100,000 images of the actor are acquired; these images are then registered to each other using optical flow. From the flowed images, the subject can be rendered from any novel camera viewpoint through a combination of view morphing and light field rendering. With image based relighting, the performance can also be illuminated with new environmental lighting conditions. The video demonstrates the technique by virtually rendering actors into both real and synthetic 3D environments.

HARDWARE

NVIDIA 7800

SOFTWARE

RTMixer (hardware accelerated reflectance field renderer), HDR Shop, PanAlign, Facade, Shake, Premiere, After Effects

Director: Paul Debevec

Producer: Tom Pereira

Contributors: Per Einarsson,

Charles-Felix Chabert, Andrew Jones, Bruce Lamond, Tim Hawkins,

Wan-Chun Ma, Katsunori Ishikawa, Aimee Dozois, Brian Miller, Sebastian Sylwan

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06 Sciatica

1:54

A project based around the sensations of pain resulting from a trapped sciatic nerve. This is not uncommon, but it can be a debilitating condition, and so it provides an opportunity to explore the themes of chronic pain through the medium of animation. The film relies heavily on the interaction of audio and visual elements, which are used to describe different aspects of the condition.

Director: Peter Nancolis
Producer: Bournemouth University NCCA

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07 KuhFo_huepfen

:19

A herd of crazy cows stands on what seems to be steep pink hills, crunching grass and doing nothing. A UFO, piloted by an udder shaped alien, appears and toys with the cows...This short animation is one in a series that tell a story of Close Encounters of udder nonsense.

HARDWARE

Dual Intel Computer, Xeon NVIDIA Gelato
Renderer, NVIDIA FX3400, FX3450

SOFTWARE

Maya, After Effects

Directors: Hannes Appell, Holger Wenzl
Producers: Olli Dressnandt, Max Penk
Contributors: Technical Director:
Sebastian Schmidt;
Sound Design: Chris Bremus

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In about 3 billion years, the Milky Way galaxy will likely collide with the neighboring Andromeda galaxy. The sun will still exist at this time and perhaps our evolutionary descendants might live to see this event. What will they see when they look up at the sky at night as the two galaxies coalesce in their transformative gravitational dance? We select a particle that mimics the orbit of the sun and attach a virtual camera that locks onto the center of the Milky Way. We then render the stellar distribution from two perspectives. The resulting animations are two time-lapse projections of the full night sky lasting 2 billion years. Andromeda grows from a small ellipse beneath the Galactic plane to fill the sky and cross the Galactic plane. The sun is thrown out into an elongated orbit that leads to an oscillating rollercoaster ride through the Galactic center providing alternating near and far views of the ensuing galactic catastrophe.

HARDWARE

Mckenzie 528-processor 2.0GHz Xeon Parallel Supercomputer, Mac G5

SOFTWARE

PARTREE (n-body plus integrated particle visualization), netpbm, Final Cut Pro, Quicktime Pro

Director/Producer: John Dubinski

Contributors: Composer,

Pianist: John Kameel Farah

Contact:

John Dubinski

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Dept. of Astronomy &

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Fog (Niebla)

7:26

An old man tells us the nostalgic story about the days when he was young and suddenly the sheep begin to fly, bringing the town to a moment of prosperity.

HARDWARE

Intel PC

SOFTWARE

Maya

Director/Producer: Emilio Ramos
Contributors: Maria del Mar Hernandez,
Jordi Codina, Leonardo Heiblum,
Marcelo Dematei, Carlos Smith,
Dani Fornaguera

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Treibgut

:47

A dreamlike sequence in the home of an old woman. In the steel blue haze of a megatown, multistoried buildings rise up threateningly.

HARDWARE

Dell PC

SOFTWARE

SOFTIMAGE|XSI, Shake, Photoshop

Director: Ruediger Kaltenhaeuser
Producer: Robin Sturm
Contributor: Sound Design, Music: Jonathan Wulfes

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A computer generated spot that relied on 35mm live action elements as reference material for CG lighting and compositing. A two-day motion control shoot on a stage provided the necessary elements. High Dynamic Range Panorama photography was used to capture the live action lighting setup and was incorporated into the CG lighting. Extensive pre-visualization evolved into rough animation and then to final animation. At each stage CG models had to be remodeled and re-animated to accommodate the evolving concept of transformations. Seamless transitions from beginning to end meant that any change anywhere including modeling and animation affected the rest of the animation. Larger objects were transformed first and smaller objects were incorporated later.

Director: Arman Matin

Producer: Karen Bianca

Contributors: Executive Producer: Camille Geier;

CG Director: Natasha Saenko; Senior Animator: Jeff Guerrero;

Lead Artist: Joe Burrascano; Visual Effects Supervisor: Josh Frankel;

CG Modeler: Paul Liaw; Lighting Artist: Ido Klair;

Technical Director: Jesse Clemens

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MEMORIAL

5:51

After witnessing the death of her father on the street below her apartment, a young girl's reality blurs with her memories as she journeys into the layered walls of her urban landscape. Struggling to fill the void of her unresolved feelings, she colors in her father's chalk outline and enters a psychological world of grief and reconciliation where her fear and sadness take the form of painted and pasted street art characters.

HARDWARE

HP Workstation XW8200

SOFTWARE

Maya, Shake, Creative Suite

Directors/Producers: Matt Clausen,

Jon Gutman

Contributors: Cosku Turhan

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Jon Gutman, Matt Clausen

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CAPs

1:20

A group of mysterious druids celebrate an old ritual by pouring colors into an obscure monument. When the last druid opposes, he drinks the colored elixir and drives away by scooter. Produced as a trailer for the International Festival of Animated Films Stuttgart 2006, we wanted to create a dark and cold atmosphere where one goofy character spoils an old tradition, but brings the warmth and color back into the world.

HARDWARE

3 Intel Xeon 2.4GHz Workstations (2GB RAM)

SOFTWARE

Lightwave 3d 8.5, Photoshop CS,

After Effects 6.5

Directors: Moritz Mayerhofer, Jan Locher

Producer: Nico Grein

Contributors: Lead 3D, Animation,

Design: Moritz Mayerhofer; Lead 2D,

Animation, Design: Jan Locher; Music, Sound Design: Steven Schwalbe

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Aal im Schädel

3:02

A traveler suffers from a disease and searches for a cure.

SOFTWARE

Maya, Digital Fusion, 3ds Max, Shake

Director: Martin Rahmlow

Producer: Anne Hoever

Contributors: Animators: Onni Pohl,
Waldemar Fast;

Technical Directors: Daniel Stern,
Volker Heisterberg, Matthias Zeller,
Andreas Rohr

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KuhFo_lovestory

:28

A herd of crazy cows stands on what seems to be steep pink hills, crunching grass and doing nothing. A UFO, piloted by an udder shaped alien, appears and toys with the cows...This short animation is one in a series that tell a story of Close Encounters of udder nonsense.

HARDWARE

Dual Intel Computer, Xeon NVIDIA Gelato
Renderer, NVIDIA FX3400, FX3450

SOFTWARE

Maya, After Effects

Directors: Hannes Appell, Holger Wenzl

Producers: Olli Dressnandt, Max Penk

Contributors: Technical Director: Sebastian
Schmidt; Sound Design: Chris Bremus

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'Walking with Monsters' is the latest adventure in the 'Walking With' series. The three 30 minute programs - bring to life the bizarre beasts who roamed the Earth millions of years before dinosaurs, featuring 29 different CG creatures that can be seen in nearly 600 VFX shots.

There are shots so close that you can see the pupils dilating and feel the creature breathing. The creatures are also more exposed than ever before - sitting on rocks, walking across sand, muscling up to the camera (in the case of a Brontoscorpio, 'shattering' the lens). They are filmed with a camera that continues zooming until it is inside them. All of these tricks help foster the illusion that what the audience sees somehow actually occurred.

Shot in Super 16, the live action backplates (both above and under water) were filmed in locations ranging from Florida to Arizona to the Canary Islands over a 12 month period. In addition, special detailed sections of the burrows, lizard eggs, a dead tree and other elements were built and shot in the studio.

SOFTWARE

Cyslice, Maya (modeling); Boujou, 3D Equalizer (tracking); Maya (animation); Mental Ray (rendering); Shake, Flame (compositing)

Directors/Producers: Chloe Leland (episodes 1 and 2), Tim Haines (3)

Contributors: Framestore CFC: Director of Computer Animation: Mike Milne;

VFX Supervisor: Tim Greenwood; Animation Supervisor: Neil Glasbey;

Visual Effects Producer: Joanna Nodwell;

Executive Producers of Computer Animation: Fiona Walkinshaw,

William Sargent; Executive Producer: Tim Haines; Editor: Andrew Wilks

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K Liquid

:31

An animation made for a local techno event called Kozzmozz, the theme for this particular event being liquid.

HARDWARE

Mac G5

SOFTWARE

Realflow, Cinema 4d, After Effects

Director/Producer: Rizon Parein

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The Fly

2:44

A warrior must overcome a pesky fly in order to achieve a state of tranquility. Can he achieve his goal before he is pushed to his breaking point?

HARDWARE

HP Workstations

SOFTWARE

Maya 7, Renderman, Shake, Photoshop, Premiere, Tsunami

Director: Han Jin Song

Producer: Ringling School of Art and Design

Contributors: Faculty Advisor: Ed Gavin

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19 Real Birds don't Barf

3:10

Two Birds are in mid-air. One is old, one is young. One wants to fly, the other one is afraid of air pockets, cramps or a heart attack. Eventually, only one will survive.

HARDWARE

Athlon 1200, 512MB RAM, Geforce 2MX

SOFTWARE

SOFTIMAGE|XSI, Photoshop, After Effects

Director: Bernhard Haux

Producer: Bjoern Hoven

Contributors: Script,

Animation: Bernhard Haux;

Speakers: Matthias Brodowy,

Christopher Weiss, Bernhard Haux;

Music: fuenf - die VokalSpottShow;

Comic: Walter Moers

Contact:

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20 SUBA

3:18

Rival jungle tribes create two huge robots for gladiatorial combat. They meet in a torchlit arena, but their confrontation develops in an unexpected way.

HARDWARE

PC, Macintosh

SOFTWARE

SOFTIMAGE|XSI, After Effects

Director: Alastair Graham

Producer: Philip Dobre

Contributors: Composer: Tom Jackson;

Animators: Larry Ruppel, Sam Wright

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KuhFo_rieseneuter

:24

A herd of crazy cows stands on what seems to be steep pink hills, crunching grass and doing nothing. A UFO, piloted by an udder shaped alien, appears and toys with the cows...This short animation is one in a series that tell a story of Close Encounters of udder nonsense.

HARDWARE

Dual Intel Computer, Xeon NVIDIA Gelato
Renderer, NVIDIA FX3400, FX3450

SOFTWARE

Maya, After Effects

Directors: Hannes Appell, Holger Wenzl
Producers: Olli Dressnandt, Max Penk
Contributors: Technical Director:
Sebastian Schmidt;
Sound Design: Chris Bremus

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Harry Potter and the Goblet of Fire

1:44

Framestore CFC delivered over 200 shots for Goblet of Fire, including an astonishing, purely CG underwater sequence. The 6 minute long underwater footage was particularly challenging. The fact that Framestore CFC had to compose and implement every single aspect of these shots called for a much greater degree of creativity and artistry than is normally expected from VFX teams. The fact that it was all CG (blue screen acting excepted), with everything moving - all the plants and so on - and with even the medium through which you are looking at the action consisting of CG water with its distortions and floating particles - all this meant that there were huge quantities of data and geometry involved.

Two species of underwater creatures were created: the merpeople and the Grindylows. The latter were the most challenging, not least because there are more than 100 of them on screen in some shots. Whilst automated 'cycles' were used in a limited fashion, as much of the Grindylow movement as possible was carried out using hand animation. One tool that proved highly useful was the in-house 'Choreographer' software.

SOFTWARE

Avid, Maya, Renderman, Shake, Inferno, Houdini, Syflex, Proprietary

Director: Mike Newell

Producer: Warner Brothers

Contributors: Framestore CFC:

Visual Effects Supervisor: Tim Webber;

CG Supervisor: David Lomax;

Visual Effects Producer: Sarah Dowland;

CG Producer: Robin Saxen;

Animation Supervisors: Pablo Grillo,

Max Solomon

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Color Dream No. 246

2:47

My earliest artistic love was visual art. Most children love to draw, but I was completely obsessed. My mother is an artist and art teacher, and was always ready with interesting materials to explore. However, when I was around 7 or 8, music completely took over my life. I followed the music path all the way through school and into a profession. About 8 years ago I began to draw and paint again, and it was like coming home. In particular, the mixing of colors brought back a flood of memories from my early life. I remembered just how I had felt mixing particular hues together. I have since been exploring various ways of integrating my two passions. 'Color Dream No. 246' is an attempt to share an experience I often have when trying to fall asleep, when I find myself plunged into a world of color, texture and sound. The piece was made by first creating watercolor paintings, and then flexibly traversing and transforming them on the computer.

HARDWARE

Macintosh G4

SOFTWARE

Synthetik Studio Artist, Max/MSP/Jitter

Director/Producer: Michael Theodore

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Multi-Touch Interaction Experiments

3:32

This video showcases some of the applications and interaction modalities we've been experimenting with for a novel multi-touch sensing technique.

HARDWARE

Custom

SOFTWARE

Custom

Director/Producer: Jefferson Y. Han

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Johnnie Walker 'Paintings'

1:03

For the first time some of the world's most famous paintings have been brought to life through animation. Through a combination of painstaking traditional animation and groundbreaking computer graphics, they become the background to an epic personal journey. Each piece of art is combined with real time action and our protagonist adventures through history and comes tumbling into the present.

'Painting' presents an inspiring tale of personal progress. In this instance, a dramatic demonstration of how an individual can change his destiny, by leaping beyond the boundaries prescribed for him. What follows is a helter-skelter adventure through these memorable and celebrated images in the history of art: "The Battle of Taillebourg" - Eugène Delacroix, "Gaifu Kaisei" - Katsushika Hokusai, "Sunday Afternoon on the Island of La Grande Jatte" - Georges Seurat, "Manbirdstone" - Joan Miro and "La Victoire" - Rene Magritte.

HARDWARE

Power Mac G5 (dual-core 2GHz), Intel cored PCs (3GHz+)

SOFTWARE

Maya, After Effects, Final Cut Pro

Directors: Pat Gavin, Bobby Proctor
Producer: John Woolley
Contributors: BBH Agency; Producer:
Alice Peppiatt;
Assistant Producer: Chantal Darbyshire;
Art Director: Justin Moore;
Copy Writer: Steve Robertson;
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Moongirl

8:17

One night, the moon goes out while Leon and his pet squirrel Earl are out fishing on the bayou. Cursing the darkness, the boy fishes on, only to snag a giant fish-of-stars that carries him and his pet to the moon where they meet Moongirl. Shy Leon can't understand why he has to help this snappy, glow-eyed girl repair the moon or learn how to operate its controls. When the shape-shifting Gargaloon monster steals his bait jar, he and Earl skillfully win it back and discover their greater purpose in this mystical story.

Director: Henry Selick
Producer: Helen Kalafatic

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à tort ou à raison

2:06

Three people talk around a restaurant table and what appears to be a static drawing on the table comes alive and begins to sing. Although the animated characters are simple line drawings, they express emotion and help convey the meaning of the song. 'à tort ou à raison' uses a combination of live action and 2D animation.

Directors: Joris Clerté, Philippe Massonnet
Producer: donc voilà
Contributors: Screenplay: Joris Clerté;
Animation: Philippe Massonnet;
Music: Prudence

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A haunting look at the nature of transitional spaces, travel theory, and subconscious abstraction. The piece explores environmental desensitization induced by transient spaces.

SOFTWARE

Photoshop, Illustrator, After Effects,
Premiere Pro, Cinema 4d, Reaktor, Cubase

Director/Producer: Patrick Doan
(aka DEFASTEN)

Contributor: Sound Artist: Jeff McIlwain
(aka LUSINE)

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C++

7:41

The animation explores the difficulty and weakness of human communication in a Modern Japanese society. In a world where people actually do not communicate with each other face to face, it is very important to rethink what the word "communication" really means. Today people are living in an artificial condition on the Internet that results in problems such as the loss of identity and personal accountability. Words are almost meaningless when people blame, punish, and slander others repeatedly. The animation, 'C++', explores society's value systems in regards to personal communication and responsibility.

HARDWARE

Macintosh G5 1.8G, Windows 2GHz

SOFTWARE

Illustrator, Photoshop, After Effects

Director/Producer: Teppei Kuroyanagi

Contributors: Sound Design: Takahide Higuchi; Sound Mix: Nezu Project;
3D CG: Nobutaka Sumiya; 2D CG: Teppei Kuroyanagi;

Assistant Director: Ueda Tomomi

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Akkad

6:31

High concentration, mass transportation, architecture, and town planning are the main causes of human isolation, drowning people in a hurried crowd. In western society one's individualism, lack of solitude, behavior standardization and the imposed routine of big city rhythms should lead us to think about our way of life and the importance of human relationship.

HARDWARE

PC, Macintosh

SOFTWARE

Photoshop, After Effects, Final Cut, RythmTX

Director: Gregoire Pierre

Producer: ENSAD

Contributor: Music: Nicolas Bridier

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Time Away

2:55

An abstract representation of the psychological change that occurs during the creation of a work of art. The change begins slowly, while the artist's mind is distracted by everyday thoughts. As the artist continues to work on the piece, thoughts begin to dissipate and the mind begins to free itself. Instinctual creative processes begin to take over.

SOFTWARE

Photoshop, After Effects, DSP Quatro,
Logic Pro

Director/Producer: Dave Schwan

Contributors: Violinist: Sean Hagerty;

Advisors: Bonnie Mitchell, Dr. Elaine Lillios

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