

Para_site

(2007)



Dance performance with sensors

Wiki: <http://parasite.selfworld.name> Live video: <http://live.selfworld.name/chambre.swf?id=48>

A choreographic piece, for one dancer,
original visual and musical work, within an interactive environment
using body sensors and physiological sensors

An analogy of an amoebic power structure and human behaviour inverting the usual 'dancer controls sound and images' approach

A collaboration between choreographers **Anne HOLST** and **Jean-Marc MATOS** (K. Danse company), dancer **Yuko YAMADA**, composer **ROLAND CAHEN** and artist-programmer **Ivan CHABANAUD**

Premiere : spring of 2007

Concept, choreography

Anne Holst, Jean-Marc Matos

Images, programming, sensors

Ivan Chabanaud (Pure Data, on Linux)

Dance

Yuko Yamada

Music

Roland Cahen (original interactive composition)

Duration : 50 mn (variable performance according to the venue, in terms of duration and scenic installation)

Project description

As technologies develop, the individual senses a growing agency, an increasing power over the world. But as the human interlocutor is replaced by technology, the exerting power becomes displaced and intangible. As the power of the individual in virtual space increases, the power of the body in physical space is reduced by a strategic partitioning of time, space and movement.

The western metaphor of light as objectivity and truth posits light/sight as right and good; darkness as bad. The images that surround us often promulgate this idea. **Para_site** investigates these notions – power, discipline, and the docile body. **Anne Holst**

This performance explores in a new way, and within a multi screen scenography, various body sensors for real time treatment of image and sound and for interaction with 3D objects. **Physiological sensors** (measuring the breathing, for example) will be used. Algorithms based on “**neuronal networks**” will be integrated in order to provide the system with learning capacities. In this performance images and sounds “control” the dancer.

Context, Team

Para_site is the meeting of [the K. Danse company, composed of Jean-Marc Matos and Anne Holst](#), pioneers in the joint writing of choreography and technology (video and digital) for more than 15 years, with [Yuko Yamada](#), Japanese dancer, [Ivan Chabanaud](#), artistic collaborator, visual artist and computer programmer (see the wiki [ChabaLab](#)) and Roland Cahen, composer (see his [site](#))

Touring

« work in progress », Auditorium of the Médiathèque of Camponac, Pessac, december 16th 2006
Caixa Forum, Barcelona (IDN Festival), march 3rd 2007
Centre Culturel Bellegarde, Toulouse, may 3-4th 2007
Théâtre Marcel Pagnol, Villeneuve-Tolosane, launching of euro regional project, september 29th 2007
Le Cube, Issy-Les-Moulineaux, november 11th 2007

Partners

City of Toulouse, Conseil Régional Midi-Pyrénées, Conseil Général de la Haute-Garonne,
Théâtre Marcel Pagnol (Villeneuve-Tolosane)
Centre Culturel Multimédia Bellegarde (Toulouse)
Espace Culture Multimédia de Camponac (Pessac)
Le Cube, Issy Les Moulineaux, ...
With support from the Centre de Développement Chorégraphique of Toulouse/Midi-Pyrénées (In Vivo project), ...
This performance is part of the Euro Region project « CorpusMedia » (Midi-Pyrénées, Languedoc-Roussillon, Catalogna)

Technical requirements

Equipment requirement

Video equipment

1 powerful video projector (2000 lumens minimum) - frontal projection

Lighting and sound

6 to 8 cut lights on stand

Dimmer board 10 circuits

Sound system for stage and house

Sound projection 4 points

Space requirement

- Stage for dance 9 m x 9 m (ideal), 8 m x 6 m minimum and black dance floor

- Metal bars on ceiling to fix suspended screens (gauze) (2 m high x 1,50 m wide), adaptable in terms of technical conditions - **brought by the company**

- Black back drop (see attached photograph)

Technical assistance

One person for stage, lights and sound

Brought by the company

Video treatment

Central Unit Pentium Biprocesor 2Ghz 1G Mem, Linux (Mandrake)

Software : Pure data, Firefox, Python, Perl Compiler C,C++

acquisition card Pal 720x576 25 Img/Secondes, 2 network cards 10/100

Master computer

Laptop Pentium , Linux , Pure data software

Acquisition and sensors

Kroonde 8 sensors (Kitchen.fr); body sensors (pressure, accelerometers, orientation, inclination) and physiological sensors (breathing, body electricity, etc.)

Original music

Digital original music and real time sound treatment

Max MSP software, Laptop Mac, networked with master computer and with computer for real time video treatment

Contact

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