

# EXPOSURE TIME

## TWO MEDIA ART INSTALLATIONS

**Thomas Daniell**

Although very different in execution and expression, two recent media art installations in Japan (Akira Hasegawa's 'Digital Kakejiku' and Rafael Lozano-Hemmer's 'Amodal Suspension') shared a number of characteristics: both were nighttime, outdoor public spectacles, both used digital data as the raw material and artificial light as the expressive medium, and both partially relinquished artistic control to computer randomization. In each case, invisible aspects of the digital realm were made visible, rendered in light at scales and speeds available to human perception. Immanent global networks were

localized, instantaneous electronic transitions were decelerated; space was shrunk as time was stretched. Ephemeral events rather than physical objects, their magnitude was more temporal than spatial. Their existence relied on duration, or more precisely, on delay: a slowing of the speed of light.

The 'refresh rate' of the human brain is somewhere around 1/16th of a second.<sup>1</sup> Above this threshold, sequences of individual events can no longer be consciously distinguished. A clicking sound faster than 16 Hertz becomes a low bass note; an animated cartoon slowed to

fewer than 16 frames per second resolves into a series of individual images. The illusory movement of cinema is the result of interpolation between still pictures by the viewer's brain. Media artist Akira Hasegawa jokes that Disney should return half our money, as we are doing half the work.

### **Digital Kakejiku**

The theme of Hasegawa's own artistic project, entitled 'Digital Kakejiku' (or D-K), is the perception of that interval. Over three nights in April 2003, Hasegawa projected a series of



Rafael Lozano-Hemmers 'Amodal Suspension' at the opening of the Yamaguchi Center for Arts and Media. Foto Archi Biming



unrelated abstract pictures (all previously created by him with a computer) onto the exterior surfaces of Kanazawa Castle, complemented by music from composer Ryoji Ikeda piped through thirty speakers distributed across the castle grounds - the intent was to totally immerse the audience. Although the images were changed at one-minute intervals, there were no abrupt transitions. They were smoothly blended into one another by a computer constantly calculating the intervening states and updating the projection. The source images were lost in the flux, merging into a single seamless animation. There was no goal, no evolution, no climax. The beginning and end moments were arbitrary. The gradual movement was barely noticeable. At a glance, it seemed perfectly still, but look away for a minute, and it would be totally transformed.

The Kanazawa Castle installation was the first major D-K event, repeated in October at the construction site of Kanazawa's 21st Century Museum of Contemporary Art (designed by Kazuyo Sejima and Ryue Nishizawa). Several other D-K installations have been realized or are in planning, but Hasegawa has been developing the technique itself for a decade. His early experiments used computer monitors, and later shifted to video projectors. Hasegawa sees D-K as an architectural material, able to actively engage and transform any context, applicable at scales ranging from urban event to computer screen-saver. It is practically impossible to freeze-frame exactly the same image twice, and the possibilities of infinite variation have already attracted wide attention: D-K images have been commissioned to convert identical, mass-produced items into unique artifacts, from Mitsubishi Bank credit cards to Issey Miyake fabrics to the billboards at the Nagano Winter Olympics.

The *kakejiku* is a hanging scroll, usually found in the *tokonoma* alcove of the traditional Japanese house. They are changed frequently, according to the season, the mood or the guest that particular day. Like the original *kakejiku*, Hasegawa sees D-K as fundamentally relational and participatory: 'It is the combination of sensory perception and subconscious awareness. The changing scenery of the sunset, the 'space' between haiku lines, the 'space' between sounds, and the 'space' between times - none are tangible, but all are part of experiencing 'the moment'. When experiencing D-K, the things that you see and feel all come from you.'<sup>2</sup>

#### Amodal Suspension

'Amodal Suspension' was in operation for three weeks in November 2003, to mark the opening of the Yamaguchi Center for Arts and Media (designed by Arata Isozaki in collaboration with the performance art troupe Dumb Type). Reminiscent of the artist's earlier 'Vectorial Elevation' (Mexico City, 1999), the

installation hardware was an array of twenty computer-controlled searchlights distributed around an empty field adjacent to the YCAM. The encoded messages were passed amongst the searchlights at random: two beams would intersect, and the pattern would be picked up by the second beam as the first was extinguished. Up to ten messages were in circulation at any given moment, a 'literal flash mob', as Brian Massumi described it.<sup>4</sup> With each exchange, the lights were angled higher and the beams faded in intensity, until the message was accessed from the website by its addressee, or possibly by another observer. The original text was then briefly displayed on an electronic billboard fixed to the exterior of the YCAM, using computer software to trans-

late between English and Japanese. Anyone anywhere with a PC or mobile phone was able to contribute, and dedicated access pods were installed at the YCAM and at sympathetic institutions from San Paolo to New Delhi, including V2 in Rotterdam, ZKM in Karlsruhe, Eyebeam in New York, the Sendai Mediatheque, the Dessau Bauhaus and the MIT Media Lab. A realtime view of the sky over Yamaguchi City was projected on the ceiling of each venue.

The visual impact of this robotic choreography was simultaneous fluid grace and nervous energy, a web of random strobing that appeared to be on the brink of emergent order. The installation was like a holding pen for delayed communication, rendered temporarily

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