

#### December 2002 – April 2003 East England

TUTUPE PHYSICAI ing technology – a human adve

placing the body at the

centre of digital interaction







the Future Physical programme has four research strands...

- WEARABLE COMPUTING & SMART TEXTILES
- **BIO-TECHNOLOGY**
- **ECO-TECHNOLOGY**
- RESPONSIVE ENVIRONMENTS

These topical areas provide the menu for a series of four Network Exchange Events presenting:

- **International co-productions**
- InterChange events
- **Commissioned works**

Photos by Jemma Mickelburgh

Future Physical is a cultural programme co-conceived by shinkansen and East England Arts, produced by shinkansen/Future Physical Ltd for East England Arts.





eastengland arts echnology

shinkansen evolving performance through media technologies

shinkansen is an artist-led cultural research and production unit specialising in the performative use of digital technologies. The unit has specialist skills in collaboration, interauthorship, networked production processes, intelligent stage and telematic performance creation, shinkansen delivers a year-round programme integrating professional development and public events at a local to global level. The unit creates performance for live to digital distribution, generating projects that enhance creativity and learning for public and professionals alike, shinkansen is financially assisted by London Arts. Across 2001-2003 shinkansen has a focus on producing the Future Physical cultural programme with East England Arts.

web: www.shinkansen.co.uk e-mail: interested@shinkansen.co.uk

contact **Future Physical** Ltd 4 Bedale Street, London SE1 9AL t 020 7357 0823/4 f 020 7357 0825 e interested@futurephysical.org East England Arts arts and technology

East England Arts is the Government development agency for the arts in Bedfordshire, Cambridgeshire, Essex, Hertfordshire, Norfolk, Suffolk and the unitary authorities of Luton, Peterborough, Southend-on-Sea and Thurrock. Its mission is to increase the impact of the arts in East England. It does this by making strategic investments in the arts in partnership with other agencies and stakeholders. During the life of its current Corporate Plan 2001-2004, East England is investing £30 million of public funds in the region's arts.

Andrea Stark, Regional Executive Director of East England Arts: "The East of England has a reputation as the European business centre for new technologies. That includes many artists who are leading the field in creative and innovative users of technology. We're delighted that our investment in Future Physical and our partnership with shinkansen is enabling these exciting projects to take shape."

woh: www.goarts so uk o mail: info@goarts so uk

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what is authentication what is natural?

what is live?

how will the human body interact with digital tools of the future?

stretching technology – a human adventure

between the body and technology. Both public and

a human adventure

# marketplaces | exhibitions | reactive objective

## installations | live events | debates & dis

## virtual

#### http://www.futurephysical.org

#### for information

- visit hot news for the latest programme updates
- ioin the mailing list to receive programme updates to your mailbox
- find out about the open opportunities advertised
- sign up for the InterChange events for specialist exchange/debate
- join the debate forum and air your views on body and technology

#### for exploration

- make your own indelible mark on the site by contributing to the keywords
- utilise the extensive links section organised by research strand
- tell us what you would do with your V-You
- view live webcasts of selected Future Physical events
- visit the gallery and get to know the digital inhabitants on the site see small-scale web works by Simon Byford (Norwich), Liam Wells (Norwich), Bruno Martelli (London), FoAm (Brussels) and NEST (Tokyo)

#### **Creative User Research**

A project documenting the development of the user interface as an expressive arena of interactive work through user testing with artists, communities and the public. Documentation activities include critical writing, video and photographic documentation for presentation, web-based archives and publications. The Creative User Research is taking place throughout

















# commissions/co-

Ambienttv.net [International/London]: Flip Flop Wearable Computing/Perfor Simon Byford [British/Norwich]: Love Story Responsive Environments/Web F

Sara Diamond [Canada]: Code Zebra 3D Chat Room/Website

FoAm [Belgium]: tx0om Responsive Installation

Masaki Fujihata [Japan]: COAST Digital GPS Walking Project

Joseph Hyde [British/Bristol]: RememberMe Responsive Environments/Instal

Igloo [International/London]: Dot.Dot Responsive Environments/Virtual Environments

kondition pluriel - Martin Kusch [German/Vienna] and Marie-Claude Pouli

Sophia Lycouris [Greek/London], Yacov Sharir [Jewish, American/Texas] and S

People Like Us - Vicki Bennett [British/Erith]: The Remote Controller Re

Jane Prophet [British/London] and Neil Theise [American/New York]: Cell B

Isabel Rocamora [Spanish/London]: Memory Release Bio-Technology/Resp

Tom Sapsford [British/London]: Hypnos Bio-Technology/Performance

Thecla Schiphorst [Canadian/Vancouver] and Susan Kozel [Canadian/Vancou

Seachange [British/Great Yarmouth]: txOom Apprenticeships Wearable Co

Stanza [British/London]: genomixer Responsive Environments/Bio-Technolog

Nicholas Stedman [Canadian/Toronto]: The Blanket Project Wearable Com

Phillip Warnell [British/Colchester]: Shock Bio-Technology/Installation

Catherine Watling [British/Cambridge]: Temporal Manifestations Bio-Tech

Liam Wells [British/Norwich]: Scribble Man Responsive Environments/Web F

Rachel Wingfield [British/London]: Digital Dawn Responsive Environments/

Sheron Wrey [British/London] and Fleeta Siegal [American/London]: Textern

Alexa Wright [British/London] and Alf Linney [British/London]: Alter Ego









december 2002
WEARABLE COMPUTING & SMART
TEXTILES Norwich/Great Yarmouth

february 2003 **BIO-TECHNOLOGY** Colchester

14th Saturday	15th Saturday	16th Sunday	17th Monday	18th Tuesday	19th Wednesday
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## network exchange events

## **WEAR ME!!!**

Future Physical / Plan B

#### **Wearable Computing & Smart Textiles**

A Future Physical focus for artists, designers, technologists and the public to debate and view topical developments and innovations in wearable computing and smart textiles.

## alive fabrics | responsive fibres | emergent wearables | wireless networking | software interfaces

The Wearables content area explores the integration of the digital into our clothing in practical and conceptual terms, highlighting the near-future evolutions that will give us easy to wear, fashionable and portable interfaces.

The WEAR ME!!! Network Exchange is a co-production between Future Physical (shinkansen/East England Arts), Plan B, FoAm and Norwich Arts Centre in co-operation with Norwich School of Art and Design and Magna, with sponsorship from Xybernaut and funding from Culture 2000 Framework of the European Commission and Arts Council of England.

#### tx0om

FoAm (Belgium/International)

SUNDAY 1ST — SUNDAY 8TH DECEMBER Hippodrome Circus Space, Great Yarmouth

The prime attraction at WEAR ME!!! Is tx0om, a pioneering installation and responsive PlaySpace in Great Yarmouth's Hippodrome Circus Space. Inside tx0om, participants can become one with both the architecture (by wearing suits attached, for example, to ropes hanging from the roof) and sound plus computer-generated visuals, which can be influenced and interacted with by, essentially, playing and having fun. tx0om may be art, but it's an enjoyable place to visit with all the family. It's also educational: its environment is designed as a public experiment for testing and research in the fields of biomimetics, visualisation and sonification of human behaviour, and human-computer interaction in mixed realities. The project has been developed by a mixture of local communities and national and international artists. http://fo.Am

txOom is a co-production between FoAm VZW, Future Physical/shinkansen (UK) Time's Up (Austria), Interactive Institute (Sweden) and KIBLA (Slovenia). Supported by: Culture 2000 framework of the European Commission, Flemish Ministry of Culture, (Belgium), Fonds BKVB, (The Netherlands), Future Physical (UK), Arts Council of England (UK), CIEFFE srl, (Italy).

#### **Keynote Speech**

Thecla Schiphorst (Canada)

THURSDAY 5TH DECEMBER
Norwich School of Art and Design

A recording of the speech wil be available on the website after the event

## network exchange events

#### **BIO-TECH**

Future Physical / firstsite / Colchester Arts Centre / Signals Media Arts / essexdance

#### **Bio-Technology**

A Future Physical focus for specialists in the fields of biology, neurology, arts, technology, and the public, to debate and view topical, and often controversial, issues surrounding biotechnology.

## enhanced life | neural networks | genetic manipulation | biometrics | artificial intelligence

The Bio-Technology content area explores the possibilities, practicalities and moral consequences that new technologies offer the human body in terms of repair, enhancement and extension; for example, genetics, artificial intelligence and implant technology.

 $\label{thm:continuous} The {\it BIO-TECH Network Exchange} is a {\it co-production between Future Physical (shinkansen/East England Arts), firstsite, Colchester Arts Centre, Signals Media Arts in association with essex dance.$ 

#### Code Zebra

Sara Diamond (Canada)

IN & AROUND THE NETWORK EXCHANGE PERIOD Web based project – http://www.codezebra.net

Code Zebra is, primarily, a visionary 3D chat and game environment – but it's not like any of the chat rooms we are used to finding on the web. Its striking, organic-looking interface borrows from biological cell structure, allowing users to create visual conversation histories, play games with each other and generate gorgeous individual patterns which bring to mind both the visual diversity of animal fur and plumage and tree bark. Other elements of the Code Zebra experience include related video and documentary clips, live events, chats and the ability to create customised animal-print clothing. All of which explore the theme of marrying the technological to the biological. The Code Zebra team spans the globe, featuring artists based in Canada, the USA, The Netherlands and the UK. http://www.codezebra.net

Code Zebra is a project by Sara Diamond and Code Zebra Inc. The partners involved are Smartlab Centre, London, UK; V2, Rotterdam, The Netherlands; C3, Budapest, Hungary; University of Turku, Tampere, Finland and Future Physical (shinkansen/East England Arts), UK.

#### **Keynote Speech**

Sara Diamond (Canada)

SUNDAY 16TH FEBRUARY
Colchester (for InterChange participants only)

A recording of the speech wil be available on the website after the event

The keynote speech detailing a vision of the marriage between biology and technology by international artist/scientist Sara Diamond (Artistic Director,

february 2003 **ECO-TECHNOLOGY** Colchester

## april 2003 RESPONSIVE ENVIRONMENTS Cambridge

30th Sunday	31st Monday	1st Tuesday	2nd Wednesday	3rd Thursady	4th Friday	5th Saturday	6th Sunday	7th Monday	8th Tuesday	
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# physical

## network exchange events

#### **ECO-TECH**

Future Physical / firstsite / Colchester Arts Centre / Signals Media Arts

#### **Eco-Technology**

A Future Physical focus for artists, ecologists, environmentalists, biologists, architects and the public to debate and view topical developments and innovations in ecology and technology.

#### artificial realities | biospheres | virtual architectures | online worlds | micro-macro

The Eco-Technology content area explores how art and technology can work with nature to bring about change in our perception and use of it, debating the positive and negative aspects of what is natural and what is artifice.

 $\label{thm:continuous} The \textit{ECO-TECH Network Exchange} is a \textit{co-production between Future Physical (shinkansen/East England Arts), firstsite, Colchester Arts Centre and Signals Media Arts.$ 

#### **COAST Digital**

Masaki Fujihata (Japan)

IN & AROUND THE NETWORK EXCHANGE PERIOD Essex Coast

Digital art can be fun for all the family: as COAST Digital will demonstrate. This project involves groups of people taking walks along the Essex coast, armed with GPS satellite location devices and video cameras. Location information will be gleaned and video footage will be shot, enabling world-renowned digital artist Masaki Fujihata to create what is, in effect, a three-dimensional digital video installation of the walks. Produced as part of the larger scale visual arts initiative COAST, site-specific artworks will be created along the Essex coast. In ECO-TECH, Masaki Fujihata will run a training workshop for the project team and present his previous work. http://www.field-works.net

COAST Digital is commissioned and produced by Future Physical (shinkansen/East England Arts), firstsite and shinkansen for COAST, an Essex County Council initiative - Essex Visual & Media Arts with Commissions East, firstsite and Future Physical (shinkansen/East England Arts) in association with Colchester, Rochford, Maldon and Tendring Councils and with Clacton County High School, Colbayns High School and Bishops Park College

#### **Keynote Speech**

Masaki Fujihata (Japan)

WEDNESDAY 19TH FEBRUARY Colchester

A recording of the speech wil be available on the website after the event

The keynote speech by Japanese new media artist Masaki Fujihata expresses a Japanese view of nature and explores technology as a mirror of self reflection.

## network exchange events

#### **RFSPOND**

Future Physical/The Junction/CUMIS

#### **Responsive Environments**

A Future Physical focus for artists, architects, filmmakers, media engineers and digital/spatial researchers and the public to debate and view topical developments and innovations in 'interactive' responsive environments.

## intelligent | interactive | responsive | reactive | smart | virtual | physical stages | play | learn | new narratives

The Responsive Environments content area explores the blurred edges between the virtual and the physical – media spaces, simulated realities and smart environments. It culminates the four research strands of Future Physical and draws on The Junction programme Smart Space and the work of CUMIS in the evolution of intelligent moving image architecture.

 $\label{thm:continuous} The RESPOND \ Network \ Exchange \ is a co-production \ between \ Future \ Physical \ (shinkansen/East \ England \ Arts), \ The \ Junction \ in \ association \ with \ CUMIS.$ 

#### whisper

Thecla Schiphorst/Suzan Kozel (Canada/International)

DURING THE NETWORK EXCHANGE PERIOD Drama Centre, Covent Garden, Cambridge in close collaboration with Kristina Anderson, Julie Tolmie, Norm Jaffe, Sang Mah and Andruid Kerne

Here's an unprecedented opportunity to find out how humans, clothes and technology will coexist and interact in the near future. This participatory installation may push back boundaries and employ new technologies, but that doesn't mean it won't be fun. At the heart of whisper, you will find linked, networked devices, designed to be worn on or near to the skin, which will gather various types of data from your body. Through cutting-edge techniques of visualisation and sonification, that data will be interpreted, and fed back to everybody else participating in whisper, bringing all manner of insights into the interior of the human body and how we interact with others. The all-woman whisper team draws together some of the world's leading lights in dance improvisation, design, engineering and computer science, and gives everyone the chance to push back boundaries. http://lab.v2.nl/projects/whisper.html

This project has been carried out with the support of V2, DEAF 03, Daniel Langlois Foundation, B.C. Arts Council, Canarie, Canada Council for the Arts and Future Physical (shinkansen/East England Arts).

#### **Keynote Speech**

WEDNESDAY 2ND APRIL Cambridge

#### **Commissioned Works**

THURSDAY 5TH - SATURDAY 7TH DECEMBER Norwich

The WEAR ME!!! Network Exchange presents a number of commissions as presentations, performances, exhibitions, process demos and installations.

- Ambienttv.net Flip Flop (remote connected performance)
- Stanza genomixer (web project)
- Simon Byford Love Story (web project)
- kondition pluriel scheme II (research project)
- People Like Us / Vicky Bennett The Remote Controller (DVD project)
- Thecla Schiphorst whisper (performance installation)
- Nick Stedman The Blanket Project (reactive object)
- Rachel Wingfield Digital Dawn (responsive window blind)

#### **WEAR ME!!! Marketplace**

SATURDAY 7TH DECEMBER — ADMISSION FREE The Forum, Norwich

Find out what you will be wearing on your body in the not-too-distant future. At the WEAR ME!!! Marketplace you will see the latest hardware and softwearable prototypes, products and equipment demos by international artists and innovative electronics and textile companies.

Featuring demos by international experts Yacov Sharir (US), kondition pluriel (Austria), Ambienttv.net (UK), Nick Stedman (Canada), Sha Xin Wei (US), Thecla Schiphorst (Canada), FoAm (Belgium), Rachel Wingfield (UK), Lisa Mills (UK), Tania Telford (UK) plus industry stalls from Mr Blinky (UK), Vexed Generation (UK), Karrysafe (UK), Ridgewell Press (UK), Motorola (US/UK), Softswitch (UK), Logitech (UK), Digimask (UK), Xybernaut (Germany/UK) and Groovy Gecko (UK).

#### **WEAR ME!!! InterChange**



THURSDAY 5TH - SATURDAY 7TH DECEMBER Norwich Arts Centre/University of East Anglia

For registered participants only, the WEAR ME!!! InterChange offers three days of research, debate and practice around the theme.

- Working groups on hardware and softwear and presentations of research and process by commissioned artists (see Commissioned Works above).
- Guest inputs from Yacov Sharir and Wei Yeh (US), Xybernaut (US/Germany) with Ambienttv.net (UK), Sha Xin Wei (US), Kristina Anderson and Digimask (UK).
- Evening film showings around future visions of technology and final night party.

InterChange registrations open from 28th September 2002 Sign up at: http://www.futurephysical.org

#### WEAR ME!!! 2003/2004 touring events...

February & April 2003: tx0om presentations in February in Maribor, Slovenia and in Brussels, Belgium in April. (EC Culture 2000 Programme).

14-19th April 2003: The best of WEAR ME!!! moves to Magna in Rotherham as an exhibition and fashion show. (Arts Council of England National Touring Programme).





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8TH FEBRUARY - 29TH MARCH 2003 — ADMISSION FREE firsite Colchester

Exhibition of generator media across disciplines including sound and text based works, performance and issues of science relating to chaos theory, complex systems and artificial life. Plus presentations of Future Physical BIO & ECO-TECH commissions at firstsite: Jane Prophet and Neil Theise – Cell (virtual environment); Stanza – genomixer (web project); Phillip Warnell – Shock (installation); Catherine Watling - Temporal Manifestations (research project); Rachel Wingfield – Digital Dawn (responsive window blind). http://www.generative.net/generator

Generator is a Spacex touring exhibition organised in collaboration with STAR and with support from the Institute of Digital Art and Technology and the National Touring Programme of the Arts Council of England.

#### **Commissioned Works**

SUNDAY 16TH – SUNDAY 23RD FEBRUARY Colchester

See ECO-TECH for details.

#### **BioFlows**

TUESDAY 18TH FEBRUARY Colchester Arts Centre

An evening of sharing process and practice from two of the Future Physical commissioned artists: Isabel Rocamora exploring interdependency between sensory visual traces and key energy centres and Tom Sapsford with neurologist Daniel Glaser looking at sleep and hypnosis.

#### Cluster

FRIDAY 21ST FEBRUARY Colchester Arts Centre

See BIO-TECH for details

#### **BIO-TECH InterChange**



SUNDAY 16TH - WEDNESDAY 19TH FEBRUARY Colchester

For a limited number of twenty specialist delegates involved in collaborative biology/art/technology/dance/based research practices. By application only.

- Led by professional artist/scientist mentors, Sara Diamond (Banff New Media Centre), Jane Prophet (University of Westminster), Daniel Glaser (UCL/ICA Scientist in Residence) and Nina Czgledy (Artist/Biologist).
- Working groups and presentations of research and process by commissioned artists (see Commissioned Works above).

InterChange application deadline 10th January 2003 For more information and application form visit: http://www.futurephysical.org

#### **Discussion Forum**

WEDNESDAY 19TH FEBRUARY Colchester

The last day of the BIO-TECH InterChange includes an open access session for the public to hear ideas in progress and conclusions and participate in questions and answers. This forum leads into the ECO-TECH Network Exchange.



























8TH FEBRUARY - 29TH MARCH 2003 — ADMISSION FREE firsite, Colchester

See BIO-TECH for details

#### **Commissioned Works**

SUNDAY 16TH - SUNDAY 23RD FEBRUARY Colchester

The BIO & ECO-TECH Network Exchanges present a number of commissions as presentations, performances, exhibitions, process demos and installations.

- Ambienttv.net Flip Flop (remote connected performance)
- Joseph Hyde RememberMe (photobooth installation)  $\blacksquare$
- People Like Us/Vicky Bennett The Remote Controller (DVD project)
- Jane Prophet and Neil Theise Cell (virtual environment)
- Isabel Rocamora Memory Release (research project)
- Stanza genomixer (web project)
- Catherine Watling Temporal Manifestations (research project)
- Rachel Wingfield Digital Dawn (responsive window blind)
- Alexa Wright and Alf Linney Alter Ego (research project)

#### Cluster

FRIDAY 21ST FEBRUARY Colchester Arts Centre

A performance/web club specially created by shinkansen, mixing eclectic sound and visual styles with live digital performance featuring Raya and the Cellbytes Crew, Code Zebra, Stanza, Ambienttv.net, People Like Us, Catherine Watling and others. An evening contrasting the natural and the artifice, exploring genetics and enhanced life, initiating neural and physical networks and extending virtual architectures and online worlds.

#### **Future Natural Marketplace**

SATURDAY 22ND FEBRUARY — ADMISSION FREE Colchester Arts Centre

Where do ecology and technology meet? How can technology be used in positive ways to help sustain our natural world? Come and check out the future of nature and see the latest evolutions in the crossover between the environment and technology. Join in and explore the potential, for an ecologically sound future, or voice your concerns.

#### **ECO-TECH InterChange**



WEDNESDAY 19TH - SUNDAY 23RD FEBRUARY Colchester

For registered participants only, the ECO-TECH InterChange offers four days of research, debate and practice around the theme.

- Working groups and presentations of research and process by commissioned artists (see Commissioned Works above).
- Guest inputs from architects, Vector Special Projects, and interface designers, Digit, working with ecology issues.
- InterChange delegates also participate in an online nature/technology educational project taking place between Senegal and The Netherlands.

InterChange registrations open from 20th January 2003 Sign up at: http://www.futurephysical.org



A recording of the speech wil be available on the website after the event

Full programme details to be announced.

#### **Commissioned Works**

WEDNESDAY 2ND - SATURDAY 5TH APRIL Cambridge

The Respond Network Exchange presents a number of commissions as presentations, performances, exhibitions, process demos and installations.

- Ambienttv.net Flip Flop (remote connected performance)
- Joseph Hyde RememberMe (photobooth installation) Ħ
- Igloo Dot.Dot (virtual environment)
- kondition pluriel schème II (research project)
- Sophia Lycouris, Yacov Sharir and Stan Wijnans Intelligent City (site specific environment)
- People Like Us/Vicky Bennett The Remote Controller (DVD project)
- Phillip Warnell Shock (installation)
- Rachel Wingfield Digital Dawn (responsive window blind)
- Liam Wells Scribble Man (web project)
- Sheron Wrey, Fleeta Siegal Texterritory (SMS performance)

#### **RESPOND InterChange**

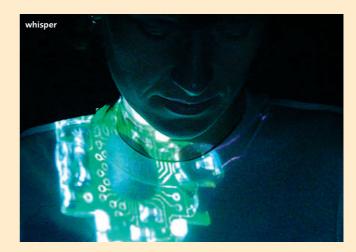


WEDNESDAY 2ND – SUNDAY 6TH APRIL Cambridge University

For registered participants only, the RESPOND InterChange offers four days of research, debate and practice around the theme.

- Working groups and presentations of research and process by commissioned artists (see Commissioned Works above).
- Guest inputs including Christa Sommerer.
- The Creative User and New Consciousness plus the additional theme of practice-based research in higher education

InterChange registrations open from 10th February 2002 Sign up at: http://www.futurephysical.org



#### **BOOKING & INFORMATION**

http://www.futurephysical.org phone +44 20 7357 0824

e-mail interested@futurephysical.org fax +44 20 7357 0825

Folgramme and booking details are available on request from Future Physical. Register as a member on the website and you will receive programme updates to your mailbox.

Tickets can be purchased or reserved through contacting individual venues. Check the Future Physical website for confirmed dates, times and venue details.

#### InterChange Events:

Attendees are required to sign up in advance for the InterChange events. Register on the website to receive a booking form. NOTE: InterChange places are limited, please register early. InterChange registration fees are payable in advance or on the day at registration. Cash or cheque accepted. No credit card facilities. Registration fees cover tickets for all public events.

#### Commissioning Opportunities:

For artisits wanting to create new digital artwork, Future Physical offers commissions linked to Norwich Arts Centre and Commissions East. Contact Future Physical for information and deadlines.

The Future Physical programme is subject to change without notice







