

Growing Things:

The Cultures of Nano Tech, Bio Tech, and Eco Tech Meat Art

Friday, June 2 – Sunday, June 4, 2000

Many artists are fascinated with the imminent possibilities of designing life forms, but are we damaging or growing things? How can we open the lines of communication between Human/Nature/Technology? After all, our species have intervened into Nature ways for a long, long time. Can we turn devastation into art? From agriculture and medical intervention to forestry and recycling older technologies, this millennial summit cultivates collaborations amongst artists, scientists, ecologists, technologists and developers from various industries who have interests in the accelerated growth of bio and nano tech. Bring your reaction diffusion patterns to Banff and share some serious R&D. Participants of this Banff event are also encouraged to start their experience at the "Zero Degree Monstrosities Festival" in Vancouver and participate in the "Code Zebra" on line discussion group, which will continue after the event at Banff.

This event is a part of The Banff New Media Institute's Human Centered Interface Project. The research initiative is made possible through the support of Alberta Science and Research Authority, Research Development Initiative, Out of the Box, SSHRC, in association with Telefilm Canada, sgi Canada, Alberta Foundation for the Arts, Montage, Silicon Valley North, Canada Council for the Arts, University of California DARNET, Free Radicals Framework Five and other partners.

Faculty Moderators:

- Roy Ascott Philosophy of science, art and research
- Maroon Tabbal Bioscience

Faculty Consulting:

- Char Davies Art and computing science, ecology

AGENDA

Thursday, June 1st

9:00 pm Meat and Greet

Location: Props Pub in the Donald Cameron Hall Building

FRIDAY, JUNE 2nd

Location: The Rice Studio, main floor, JPL building

8:00 am – 9:00 am – Technical Run Through – all presenters for the day must attend

Location: The Rice Studio, main floor, JPL building

9:00 am – 10:15 am

Welcome and introduction: Who, What, Why and How should we battle?

- Sara Diamond and faculty introduction

10:30 am – 12:15 pm

Opening, Art and Science, Parallel and Differing Methodologies

- Sara Diamond Executive Producer, TV & New Media, MVA, The Banff Centre
- Roy Ascott *Edge-Life: moistmedia and technoetic process*
Interactive Arts, University of Wales College Newport, www.caiia-star.net
- Maroon Tabbal Advanced Research Computing, UCLA School of Medicine
- Char Davies Independent Artist, Immersence Inc.
www.immersence.com/immersence_home.htm
- Olga Samborska Genetic Engineer, Czech Republic

12:15 pm – 1:15 pm

Lunch

1:15 pm – 2:45 pm

Genetic Engineering and Agriculture – Growing Things

- Heath Bunting UK, <http://www.irational.org/heath/>
- Brewster Kneen Farmageddon, Food and the Culture of Biotech, images,
& Cathleen Kneen languages and advertising, www.ramshorn.bc.ca
- Arpad Puczai *Genetic engineering crop plants. The view of an experimental
Scientist*, <http://www.freenetpages.co.uk/hp/a.pusztai>
- & Susan Bardocz *The most often used misinformations in GM debate*

3:00 pm – 4:45 pm

Ecologies, Land, Environments and Aesthetics

- Char Davies Independent Artist, Immersence Inc.
- Peter Poole Lead Researcher, Parks & Conservation, UTSB Center, Banff
- Larry Diamond Landscape Architecture, parks and nature, BC
- Radoslaw Karwowski *L-studio - an interactive plant modeling environment for biological research
and computer art*
- Lars Muendermann *Modeling plants using L-systems: an overview and personal experience*

5:00 pm – 9:00 pm

Environmental Bus Tour

Meeting Point: Professional Development Building (Reception)

9:15 pm – 11:00 pm

Biosphere Opera: Rachel Mayeri and Steve Ausbury

Location: The Rice Studio, main floor, JPL building

SATURDAY, JUNE 3rd

Location: The Rice Studio, main floor, JPL building

8:00 am – 9:00 am – Technical Run Through – all presenters for the day must attend

Location: The Rice Studio, main floor, JPL building

9:00 am – 9:30 am

Summary of previous day

9:30 am – 11:30 am

Dreaming Bodies, Animal and Human

- Marcelo Walter *Automatic Generation of Patterned Animals*
<http://www.cs.ubc.ca/spider/~marcelow>
- Maris Bustamante *Universidad Autonoma Metropolitana Mexico (UAM-A)*
<http://www.arts-history.mx/marisbustamante/homeinicial2.html>
- Diana Domingues *Brazilian artist and researcher – University of Caxias do Sul*
<http://artecno.ucs.br>
- Sara Diamond *Code Zebra*
- Nina Czegledy *Auroral Myth - Terrestrial Realities*
- Ricardo Peralta *Instituto de Ingenieria-U. Autonoma de Mexico*

11:45 am – 1:00 pm

Genetic Engineering, Aesthetics: Culture

- Gregor Wolbring *Commodification of beings*, <http://www.thalidomide.ca/gwolbring>
- Steven Kurtz *Biotechnology and Resistant Cultural Practice*, <http://critical-art.net>
- Jenny Marketou *InfoBodies and Fluid Subjectivities*

1:00 pm – 2:00 pm

Lunch

2:00 pm – 4:30 pm

Art in Vivo

- Joe Davis *Molecular Biology, Microbiology and Genetics in the Arts*
- Oron Catts *The Tissue Culture & Art Project*
- Ionatt Zurr *The Tissue Culture & Art Project*
- Marta de Menezes *Redesigning nature: Art through the manipulation of butterfly wing-patterns*
- Katie Egan *Molecular Biology, Microbiology and Genetics in the Arts*
- Eduardo Kac *The School of the Art Institute of Chicago, cultures*, <http://www.ekac.org>

4:45 pm – 6:15 pm

Law and Genetic Orders: Utopias and Realities

- Carol Gigliotti *Whose Utopia? Whose Reality?*, www.cgrg.ohio-state.edu/Astrolabe
- Charles Ostman *Senior Fellow - Institute for Global Futures*
<http://www.techfuturist.com/charles1.htm>
- Niranjana Rajah *Not my Holy Cow!*

8:00 pm – 10:00 pm

Screening

Conceiving Ada, by Lynn Hershman

Location: Rice Studio, JPL building

10:00 pm – 2:00 am

Party – Bio Techno - Rock against Genetics

Locations: Walter Philips Gallery Lobby & The Other Gallery, Glyde Hall Building

SUNDAY, JUNE 4th

Location: The Rice Studio, main floor, JPL building

8:30 am – 9:30 am – Technical Run Through – all presenters for the day must attend

Location: The Rice Studio, main floor, JPL building

9:30 am – 10:00 am

Summary of previous day

10:00 am – 11:30 am

Artificial Life

- Rebecca Allen *The Art of Behavior : Artificial Life*
- Bruce Damer *Digital Biota and Cyberbiology: Seeding & Growing Things in Cyberspace*, <http://biota.org>, <http://ccon.org>
- Machiko Kusahara *Growing Virtual Pets*, Kobe University Graduate School of Science and Technology, <http://www.db.cs.kobe-u.ac.jp/~kusahara>
- Michael Tolson Artist/Researcher, Envioii (*represented by Char Davies*)

11:45 am – 1:15 pm

Visualization and Data Sets

- Patrick Clancy *Notes on the Science of Alchemy and the Engendering of Simulacra*
- Sharon Daniel Department of Film and Digital Media, Division of the Arts, University of California Santa Cruz, <http://arts.ucsc.edu/sdaniel>
- & Mark Bartlett *The Cell: Inside Out*, Multimedia Designer, Netera Alliance Inc., <http://www.netera.ca/>
- Dave Goulden

1:15 pm – 2:30 pm

Lunch

2:30 pm – 3:30 pm

Nanotech Intelligence, Human Images and Autonomous Machines

- Jan Hauser Sun Microsystems Federal, <http://www.janhauser.com>
http://www.wired.com/wired/archive/8.04/joy_pr.html
- Pekka Ollikainen *New forms of group communications*

3:45 pm – 5:00 pm

New Research Models: Artists and Scientists

- Oliver Ressler *Anti Gene-Worlds: Oppositions to Genetic Engineering (1998) & Focus on Companies (2000)*, www.lot.at/politics/contributions/oliver1.htm
- Nell Tenhaaf York University
- Barbara Crow University of Calgary, access to technology
- Faculty response

ZDM Recent Event: A Report

- Randy Lee Cutler Zero Degree Monstrosities
- & Daniel Jolliffe

5:00 pm – 6:15 pm

Summary and Next Steps

6:15 pm – 7:00 pm

Drinks, JPL building deck, 3rd floor

Dinner available at Dining Hall until 7:30 pm, or light meals at Sally Borden until 11:00 pm