THE BANFF CENTRE

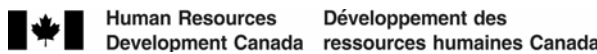# BANFF NEW MEDIA INSTITUTE

2002

Bridges II agenda

BRIDGES II

October 4 - 6, 2002

This event is a part of The Banff New Media Institute's
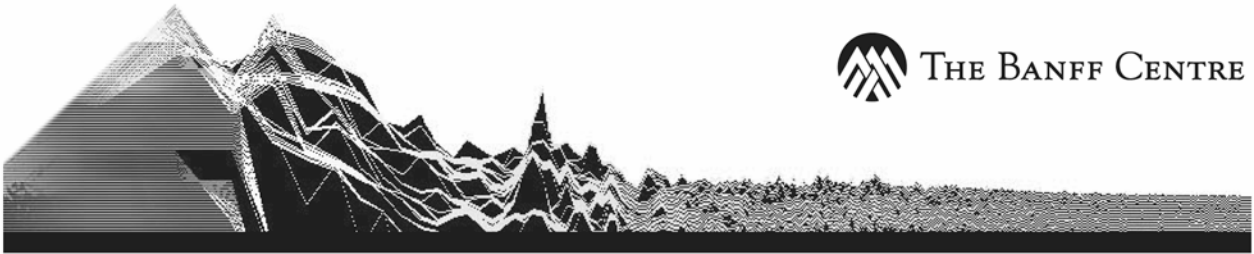**Human Centered Interface Project**.
The research initiative is made possible through the support of:

THE ROCKEFELLER FOUNDATION

Bell Globemedia

NRC·CNRC

ASRA Alberta Science and Research Authority

Telefilm Canada

Social Sciences and Humanities Research Council of Canada   Conseil de recherches en sciences humaines du Canada
(Research Development Initiative)

Canadian Heritage   Patrimoine canadien

Human Resources Development Canada   Développement des ressources humaines Canada

The Alberta Foundation for the Arts   Alberta COMMUNITY DEVELOPMENT
COMMITTED TO THE DEVELOPMENT OF CULTURE AND THE ARTS

Arts Tra...   ...entre are
support...   ...dian Heritage
and Hu...   ...Canada through
the Nati...   ...Program.

Canada Council for the Arts   Conseil des Arts du Canada

**LISTEN TO BRIDGES LIVE AT: http://www.ceebanff.ca/live.ram**

BRIDGES II MISSION

BRIDGES is an international consortium for the study and exploration of interdisciplinary collaborative processes in art, culture, science and technology. Creating with technology increasingly requires both deeper levels of specialization and greater levels of collaboration between people with creative and technical expertise. The BRIDGES Consortium works from the belief that the great challenge of convergence is not technology, but communication between people. As technology further enables global multi-cultures and economies, the challenges of communication become even more urgent. Differences in work and communication styles, priorities, educational principles, institutional frameworks, temperaments, fundamental beliefs and values have the potential to become either obstacles or stimulants to effective collaboration. The BRIDGES consortium pinpoints collaboration itself as a skill to be identified, studied, and learned, and proposes practical strategies for including it as a vital component in education, creation and research. It identifies best practices, amplifies networks and provides a means of communication for those engaged in the reality of collaborative research across disciplines, borders and cultural contexts.

The BRIDGES Consortium is structured around an annual summit that includes case study presentations, discussion groups, and hands-on workshops in interdisciplinary collaboration. The first of these was held May 31-June 2, 2001 at the Annenberg Center. It brought together top experts from educational, research and funding institutions and the private sector, as well as independent artists, technologists, and scientists. The 2002 conference has expanded to include delegates and speakers from around the world. There is a strong Aboriginal presence at this event. As well as computer science and engineering, it includes scientists from a range of disciplines. It has a strong focus on social science and humanities collaboration as well as art and technology.

The BRIDGES web site provides the general public access to the results of this work, including transcripts of each event, as well as special features from members. It also encourages ongoing dialogue, networking, and support, and the opportunity to form new collaborative partnerships. We are also forming alliances with other organizations working on related issues to help support and encourage further development of interdisciplinary skills in this growing arena. Visit www.banffcentre.ca/bnmi/bridges

The BRIDGES Consortium was co-founded by Celia Pearce, formerly a Visiting Scholar at The Annenberg Center for Communication of the University of Southern California and currently Research and External Relations Manager for the Media Arts Layer of Cal- (IT)2 at the University of California, Irvine, and Sara Diamond, Artistic Director, Media & Visual
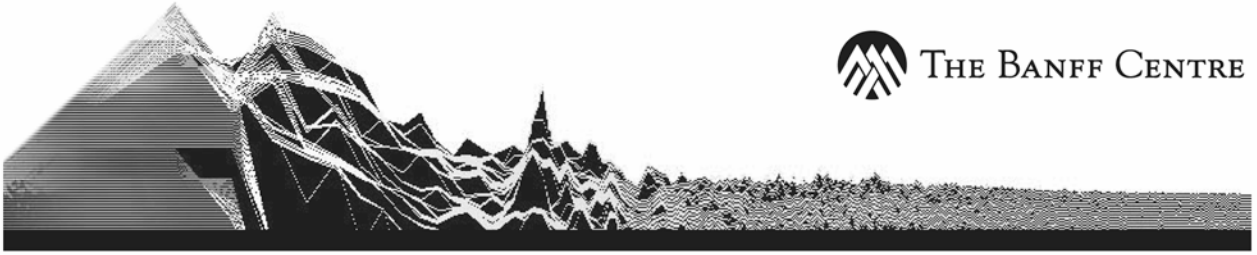
2002

Arts, Executive Producer Television & New Media and The Banff New Media Institute at The Banff Centre, Alberta.

THURSDAY OCTOBER 3

8:00 – 10:30pm
**DELEGATE REGISTRATION**

MEET AND GREET - ROUNDTABLE AND DISCUSSION
Location: Eric Harvie Theatre West Lobby
This event will kick off Bridges—it is an opportunity for organizations to express their mandate for collaboration and participants at the conference to introduce themselves. Organizations are asked to choose one speaker who will have three to five minutes to express their focus.

- **Informal Welcome**
- **Introduction of Jury:** Sara Diamond, Artistic Director, Media and Visual Arts, The Banff Centre, Canada (Chair); Mark Beam, CEO, Creative Disturbance, USA; Pierre Boulanger, Professor, Computer Science, University of Alberta, Canada; Martin Brooks, Director, Interactive Information Group, National Research Council, Canada; Tom Calvert, Professor, Computer Science, Simon Fraser University, Canada; Sheelagh Carpendale, Professor, Computer Science, University of Calgary, Canada; Diana Domingues, Professor and Coordinator, Laboratory of New Technologies in Visual Arts, University of Caxias Do Sul, Brazil; Susan Kennard, Producer, Banff New Media Institute, Canada; Roger Malina, Leonardo, USA; Ahasiw Maskagon-Iskew, Aboriginal Peoples' Television Network, Canada; Branda Miller, Professor of Media Arts, iEARS Studios, Rensselaer Polytechnic Institute, USA; Celia Pearce, Research and External Relations Manager, Cal - (IT)2 Media Arts Layer, University of California, Irvine, USA; Andrea Polli, Associate Professor, Film/Media and Integrated Media Arts, Hunter College, USA; Chris Salter, Interaction Architect/Co-Director, Sponge, Germany/USA; Kathleen Scherf, Dean, Faculty of Communication and Culture, University of Calgary, Canada; Sha Xin-Wei, Professor, Georgia Institute of Technology, USA; Ron Wakkary, Associate Professor, Interactive Arts, Simon Fraser University, Canada.
- **Introduction of participating organizations:** USC, RADICAL, SmartLab Centre, UK, NESTA, NRC
- **Casual introduction of participants**
- **Music**

BANFF NEW MEDIA INSTITUTE

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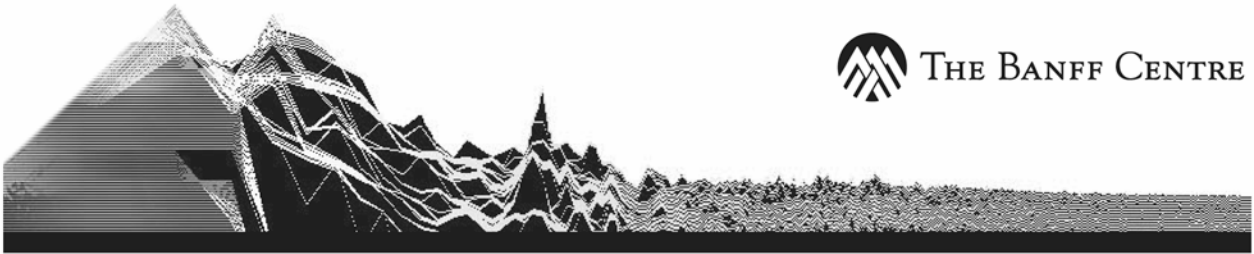
7:00 - 8:30am
BREAKFAST IN THE BANFF CENTRE DINING ROOM

7:45 – 8:45am
MORNING WARM UP
Location: Sally Borden Gym
Light movement with yoga and pilates

7:45 - 8:45am
TECHNICAL RUN THROUGH FOR PRESENTERS
Location: Rice Television Studio, JPL
Please refer to technical schedule for details

8:30 - 9:00am
DELEGATE REGISTRATION
*Location: JPL Lobby*

9:00 -10:00am
KICK-OFF SESSION
Location: Rice Television Studio, JPL
- **WELCOME** by Co-Chairs Sara Diamond, The Banff Centre and Susan Bennett, University of Calgary—introduction of head table (5 minutes)
- **Banff Centre Welcome**—Joanne Morrow, Senior Vice-President (5 minutes)
- **Aboriginal Arts**, The Banff Centre (5 minutes)
- **ADDRESS** -- Sara Diamond, Artistic Director, MVA, Executive Producer, New Media, Television, Research; **Challenges and Possibilities - building collaborative practice and vocabulary across cultures--Themes of the 2002 conference: methodologies, formations, access and inclusion, the global context, from disciplinary perspectives, policy, curriculum and learning models, collaborative tools—what might we achieve at Bridges 2002?** (15 minutes)
- **Comments** by Susan Bennett, Associate Dean of Research, Department of Humanities, University of Calgary, **The role of social science and humanities in cross-disciplinary research** (8 minutes)
- **The Bridges Consortium**— Celia Pearce, 2001 Conference Lead, and Bridges Consortium Co-Founder, Research and External Relations Manager, Cal - (IT)2 Media Arts Layer, University of California, Irvine—**The Value of an Ongoing Consortium--Collaboration, The Bridges Consortium and Welcome** (8 minutes)
- Mark Beam, CEO, Creative Disturbance, Board Member, Leonardo, **What we Learned from Bridges 2001—a brief summary** (8 minutes)

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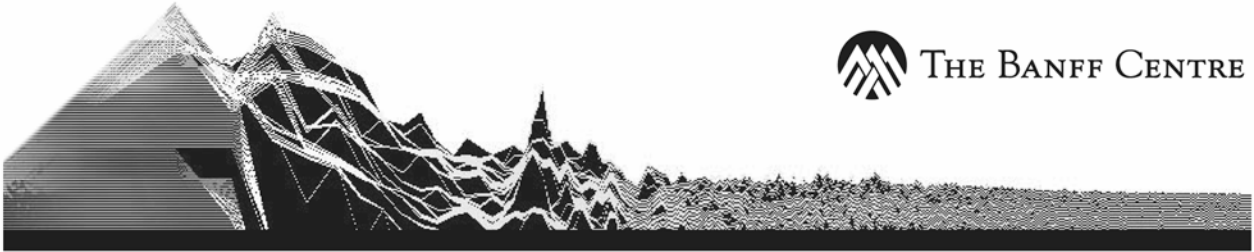
- Christiane Robbins, **Welcome on behalf of University of Southern California** (3 minutes)

10:00 -11:00am
KEYNOTE ADDRESS: (TALK AND RESPONSE WITH DISCUSSION)
Location: Rice Television Studio, JPL
Co-Moderated by Susan Bennett and Sara Diamond

- Michael Century, Rensselaer Polytechnic Institute, **Clashes and Conjectures in the Epistemic Cultures of Studio-Laboratories**
- **Respondent:** Tom Calvert, Professor, Computer Science, Simon Fraser University, Former VP Research, Technical University of BC

11:00 – 11:15am
COFFEE BREAK

11:15 - 1:00pm
ROUNDTABLE: CULTURAL PERSPECTIVES: (15 Minute PRESENTATIONS and DISCUSSION)
Location: Rice Television Studio, JPL
Do cultural perspectives shape how we understand collaboration? Implications for methodology, policy and practice. Co-moderated by Andrew Chetty, Performing Arts and New Media Curator, Institute of Contemporary Art, London, UK, and Sara Diamond.

- Taki E'Bwenze, Director, Grafrica, Musee Virtuel, **Art as an Instrument of Transformation from one state to another—state of being, of consciousness, of knowledge, of development—intercultural dialogues and traditional African Art**
- Zainub Verjee, Media Arts Officer, Canada Council; and Narendra Pachkede, Professor, Simon Fraser University, **Science, Art and Technology: Truth, Beauty, and Metamorphosis—Exploring the Intersections, collaborations and policy frameworks—transnationalism versus globalization**
- Janice Dickin, Associate Dean (Research), Faculty of Communication and Culture; and Frits Pannekoek, Director, Information Resources, University of Calgary, **The Internet as a Site of Citizenship—an evaluation of Canadian content on the Internet**
- Fatoumata Kande, Visual Artist, Senegal, West Africa, **Collaboration as language, culture and form of communication—gender ethnicity, religion**
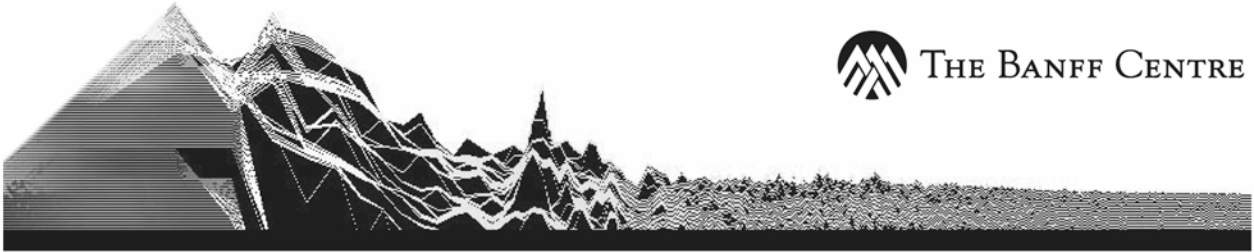
1**:00 - 2:00pm**
LUNCH IN THE BANFF CENTRE DINING ROOM

1:00 - 2:00pm
TECHNICAL RUN THROUGH FOR PRESENTERS
Location: Rice Television Studio, JPL

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Bridges II agenda

Please refer to technical schedule for details

1:45pm
OPTIONAL TOUR OF MEDIA AND VISUAL ARTS DEPARTMENT
Location: Meet in lobby of JPL

2:00 – 3:15pm
ABORIGINAL COLLABORATIONS—Within and Between NATIONS, Within and Between CULTURES
Location: Rice Television Studio, JPL
Co-Moderated by Ahasiw Maskegon-Iskwew with Sara Diamond
- Christine Morris, Arts Queensland, Queensland University, Australia, **Indigenizing the Effects of Global Culture—oral cultures and technological hegemonies** (15 minutes)
- **Observations on Collaboration Models** (5 - 8 minutes each respondent)**;** Ahasiw Maskegon-Iskwew; George Baldwin, Institute Director and Acting Dean for the Social and Behavioral Science Center, California State University, USA; Cheryl L'Hirondelle, Musician, Canada; Sheryl Kootenhayoo, Artist, Canada
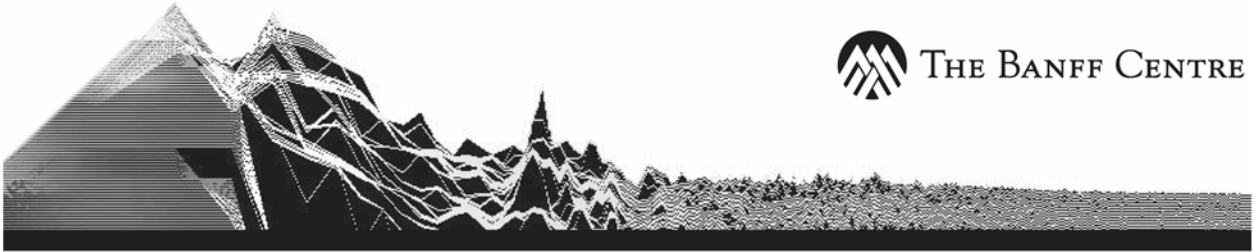
3:15 - 3:30pm
COFFEE BREAK

3:30 - 4:45pm
THE SCIENCE OF COLLABORATION - METHODS PART I: What Models do we Use when we Build Collaborative Environments? Laboratories? Corporations? Networks? Open Source Software? Peer-to-peer? Universities? Collectives? Historical Cultural Models? (15 MINUTES each group) and DISCUSSION
Location: Rice Television Studio, JPL
 Co-moderated by Susan Bennett and Sara Diamond
- Brian Fisher, Associate Director, Media and Graphics Interdisciplinary Centre, MAGIC, University of British Columbia, **A Cognitive Science Perspective: can we move beyond the imposed focus of a discipline to create discipline surfers (Salomon's "intelligent novices") who consume knowledge from a variety of fields with the focus and intellectual rigor emerge from praxis rather than discipline?**
- Simon Pope, Senior Lecturer, UWIC Business School, UK, **Open Source and Free Software 'movements' – are these software developments models really models for artistic collaboration? Who do these models exclude?**
- Tania Fraga, Professor, Department of Visual Arts. University of Brasilia, Brazil; **Aurora 2001: Fire in the Sky and Hekuras—Collaborative Projects—Ancient and Scientific Knowledge: New Aesthetics, New Practices Across Cultures**

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4:45 - 6:00pm
THE SCIENCE OF COLLABORATION - MODELLING INSTITUTIONS PART II:
What Models do we Use when we Build Collaborative Environments? Laboratories?
Corporations? Networks? Open Source Software? Peer-to-peer? Universities?
Collectives? Historical Cultural Models? (15 minutes each group) and DISCUSSION
Location: Rice Television Studio, JPL
Co-moderated by Celia Pearce and Andrea Polli
- Peter Broadwell, ePTC, Sony, USA; **A Point Sample of International Research Collaborations in Convergent Technology, NewMIC, Canada**
- Andres Burbano, University of the Andes, Columbia, **Hipercubo/ok/ for Collaborative Methods: the relations between art, science and technology in Latin America**
- Chris Fields, Manager, Corporate Affairs, TRLabs, Calgary; and David Milne, Director of Operations, TRLabs, Saskatchewan; **TRLabs, a Networked Structure for ICT Research, Methods**

6:00 – 6:45pm
CONCLUSIONS FROM DAY ONE
Location: Rice Television Studio, Telus Studio, JPL 204, and JPL 313
Small groups, facilitated by Celia Pearce, Branda Miller, Kathleen Scherf and Susan Bennett

6:45 - 7:30pm
DINNER IN THE BANFF CENTRE DINING ROOM

7:15 - 8:15pm
TECHNICAL RUN THROUGH FOR PRESENTERS
Location: Rice Television Studio and Telus Studio, JPL
Please refer to technical schedule for details

8:30 - 11:00pm
BRIDGES MINI-FESTIVAL
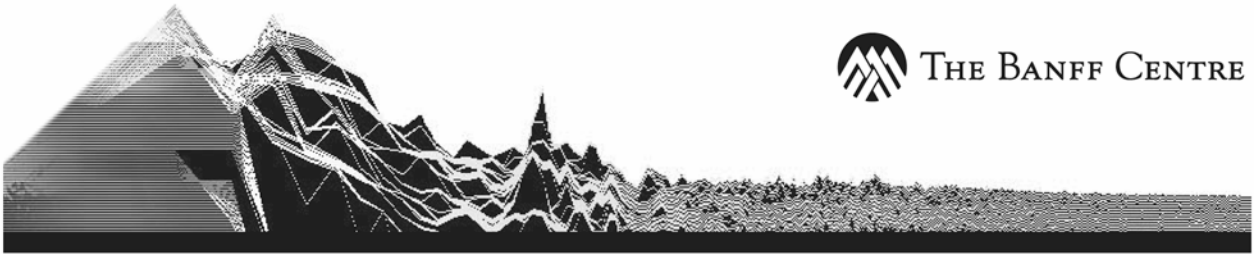*Location: Rice Television Studio and Telus Studio, JPL*
Cash Bar at All Festival Events—opens at 8:30
With M.C. Sarah Cook, assisted by Chris Salter. Discussion Context presented by
- Sha Xin Wei, Georgia Institute of Technology; **Art, Science -- New Beauty? What are the Ethics and Aesthetics of Collaboration?**
WORKS:
- Ricardo Dal Farra, Director, Electronic Arts Experimenting and Research Center - National University of Tres de Febrero, Buenos Aires - Argentina. The Electroacoustic Music Bridge: Collaboration between art, science and new technologies in Latin America. Musical works by composers from Bolivia, Peru, Brazil, Chile, Colombia,

Mexico, Cuba, Dominican Republic, Venezuela, Puerto Rico and Argentina - a sampler (installed over course of the conference in Telus Studio)

- Mike MacDonald, Artist and Curator, **Indians in Cyber Space—an excerpt;** works will be available for viewing on computer screen in Telus Studio throughout the conference
- Joanne Bristol, Artist, and Andrew Houston, Assistant Professor, Department of Drama and Speech Communication, University of Waterloo, **The Unmarked Measure: Mapping Performance on the Transdisciplinary (Playing) Field**
- Kathleen Ruiz , Assistant Director of Electronic and IT Arts, Rensselaer Polytechnic Institute, New York, and Lisa Naugle, Assistant Professor, Dance, University of California, Irvine; **The AVA Project: The Camaraderie of Invention, Part I: The AVA Project: terra incognita - Uncharted Landscape: human nature/technology.**
- Mark Hansen, Researcher, Statistics Research, Bell Laboratories, **Listening Post,** created with Ben Rubin (not present)

SATURDAY OCTOBER 5

8:30 -10:30am
EARLY MORNING HIKE
Location: Meet in front of JPL

9:15 - 10:15am
TECHNICAL RUN THROUGH FOR PRESENTERS
Location: Rice Television Studio, JPL
Please refer to technical schedule for details

10:15 - 10:30am
COFFEE BREAK

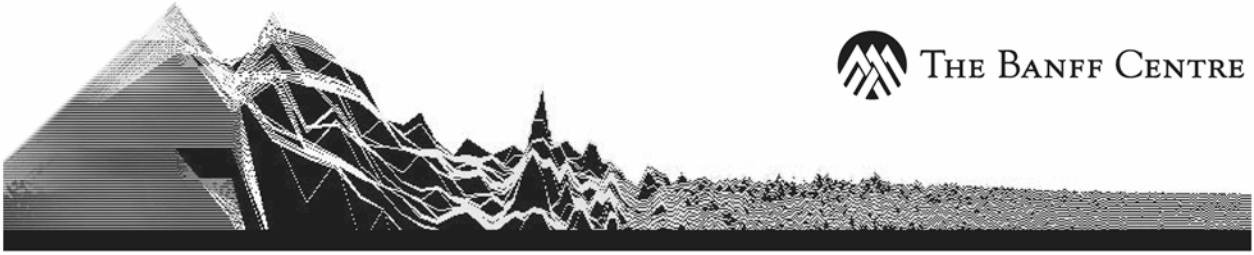**10:30 -11:15am**
REPORT BACK FROM GROUPS
Location: Rice Television Studio, JPL
Ideas to consider for the following days, Led by Celia Pearce, Branda Miller, Kathleen Scherf and Susan Bennett

11:15 -1:00pm
PERSPECTIVES FROM THE SCIENCES: Towards Interdisciplinary Collaboration
Location: Rice Television Studio, JPL

2002

Bridges II agenda

Current science often demands interdisciplinary practice and scientists have developed systems and methods to work across disciplines. What are the experience and ideas of scientists, engineers and laboratory directors as they work with artists, social scientists, humanists and other experts? What are their collaborators' perspectives? How can art, science, humanities and social science researchers collaborate in emerging fields? How can we evaluate research? What are the ethics within our collaborations? **OPINION PIECES WITH DISCUSSION FROM PANEL AND PARTICIPANTS** (8 minutes each). Co-moderated by Sara Diamond and Sheelagh Carpendale (respondent)

- Cheryl Bartlett, Professor of Biology, and Bernie Francis, Professor, Integrated Science Program, University College of Cape Breton, Canada, **Remaking Science from an Aboriginal Perspective—A Collaboration**
- Stephen Marsh, Researcher, ITT, National Research Council, **Socially Adept Technologies, Trust, Intelligent Agents - Interdisciplinary Collaboration**
- Garnet Hertz, Soil Digital Media Suite, and Tanya E. S. Dahms, Department of Chemistry and Biochemistry, University of Regina, **Ethology of Art and Science Collaborations: Research Ethics Boards in the Context of Contemporary Art Practice**
- Ken Perlin, Computer Science, New York University, **Research can require being both artist and scientist,** with response from Lizbeth Goodman, Director SmartLab Centre, UK, and Radan Martinec, The London Institute.
- Anne Nigten, Director, V2 Laboratory, Netherlands, **Human factors in artistic research and development in multi- and interdisciplinary practice**

1:00 – 3:00pm
BREAK OUT GROUPS: WORKING LUNCH WITH FOLLOW UP DISCUSSION
Location: Banff Centre Dining Room and JPL Studios
Facilitated by Celia Pearce, Branda Miller, Kathleen Scherf and Susan Bennett
How can art, social sciences, humanities, and Science researchers collaborate in emerging fields (AI, biotech, etc.)? Does who leads a project matter? Delegates work in breakout groups to discuss questions of methodology with report-back in final half-hour on a series of questions identified at the end of Day One.

1:30 - 2:30pm
TECHNICAL RUN THROUGH FOR PRESENTERS
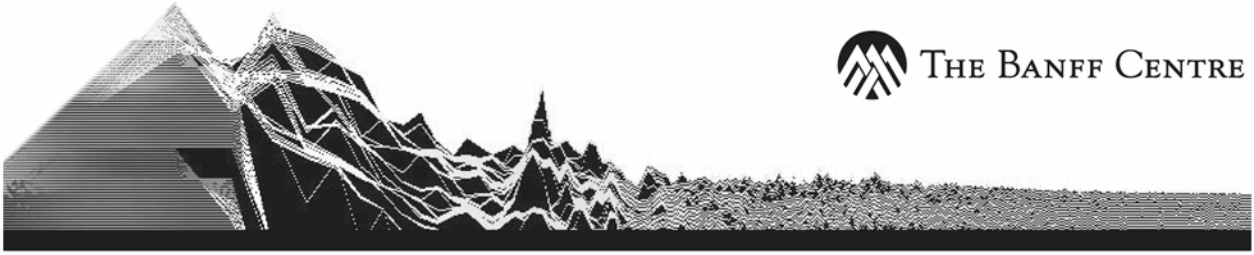*Location: Rice Television Studio, JPL*
Please refer to technical schedule for details

2:45 - 3:00pm
COFFEE BREAK

3:00 - 3:30pm
REPORT BACK

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Bridges II agenda

Location: Rice Television Studio, JPL
Led by Celia Pearce

3:30 - 5:00pm
<u>**TROUBLE IN THE WORLD: Where does art and science collaboration fit in a period of global economic, social and political crisis & war?**</u> **15 Minute Presentations from each group)**
Location: Rice Television Studio, JPL
Co-moderated by Diana Domingues and Sara Diamond

- Robin Bargar, Director, Hexagram, **Peer Review, collaboration and the corporation in artistic practice**
- Jacquelyn Ford Morie, Associate Director for Creative Development, University of Southern California, Institute for Creative Technologies, **War and Art: The Intricate Connections between Military Science and the Mind of the Artist**
- Raitis Smits and Rasa Smite, RIXC/E-LAB, Riga, **Cultural Scientists of the Acoustic Space Lab**

- Ricardo Dal Farra, Coordinator, Multimedia Communication Professional Area, National Institute of Technology Education - National Ministry of Education, Science and Technology, Buenos Aires, Argentina. **Is it possible to find paths of collaboration between art, science and technology in countries/regions with emergent economies? Multimedia Professional Family. Feedback paths between education and work through interdisciplinary collaboration and convergence.**

5:15 - 6:30pm
<u>**COLLABORATION and OUR BODIES:**</u> **(15 minute Presentations by each group)**
Location: Rice Television Studio, JPL
Co-Moderated by Ahasiw Maskegon-Iskwew and Sara Diamond

- Amadou Cisse and Moussa Gueye, Forut Senegal, Directors of Programs, TIC—**The TIC Project, A Case Study, Disability, new media and creative practice in Senegal—home based production and craft through the Internet**
- Sang Mah, CEO/President, Credo Interactive Inc., Vancouver, and Susan Kozel, Associate Professor, Information Technology & Interactive Arts, Simon Fraser University, **A Case Study in First Person Methodologies—Fabricating Collaborative Processes,** in conversation with Ron Wakkary, **Network et al: Folding Patterns for Collaboration; Partnerships in Art and Technology Research—Needs, Approach, Benefits, Competition**
- Grisha Coleman and Rob Peagler, Artists, Hot Mouth Productions; **Ecological Systems meet Choreography, Dance, Information Science—discussion of a work in progress**
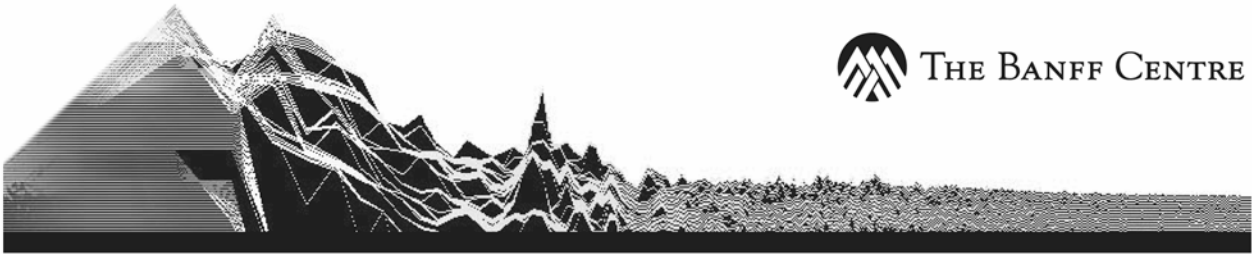
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- **Response** by Katherine Watson, Artist in Residence for Research Programs (AIRes), National Research Council and Canada Council for the Arts

6:30 - 8:30pm
BRIDGES FUTURES
Location: Banff Centre Dining Room and Rice Television Studio, JPL
Working Dinner led by Celia Pearce and Branda Miller

7:15 - 8:15pm
TECHNICAL RUN THROUGH FOR PRESENTERS
Location: Rice Television Studio, JPL
Please refer to technical schedule for details

8:30 - 9:45pm.
MINI FESTIVAL 2
Location: Rice Television Studio, JPL
Curating new media, lessons from the trenches and examples by Sarah Cook, University of Sunderland, UK, with presentation and discussion of works by Nina Pope and Karen Guthrie (TVSwansong), Bureau of Inverse Technology (BangBang), Cube Cinema in Bristol; Twenteenth Century (Dorkbot at Limehouse town hall); and Superflex, (Superchannel at FACT, tenantspin). Sarah will be joined by Jon Winet from San Francisco, who collaborates with Margaret Crane, and Jon Thomson and Alison Craighead from London.

9:45 – 11:30pm
RECEPTION AND RELAXATION
Location: Rice Television Studio, JPL
Cash Bar

SUNDAY OCTOBER 6

7:45 – 8:45am
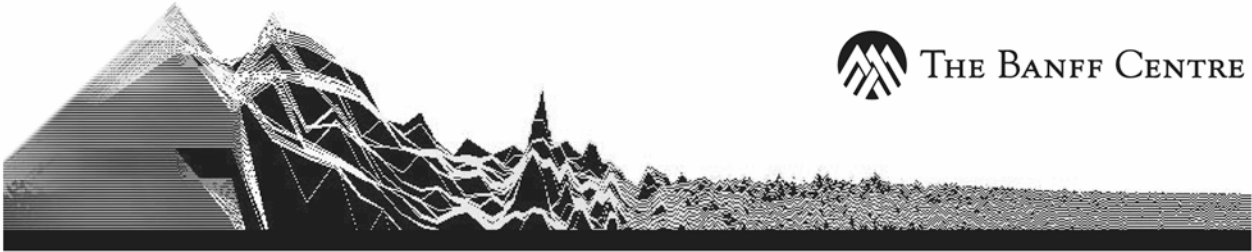**MORNING WARM UP**
Location: Sally Borden Gym
Light movement with yoga and pilates

7:45 - 8:45am
TECHNICAL RUN THROUGH FOR PRESENTERS
Location: Rice Television Studio, JPL
Please refer to technical schedule for details

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9:00 –11:00am
<u>**COLLABORATION AND LEARNING—Curriculum and Learning Models**</u> **(15 Minute Presentations from each group and DISCUSSION)**
Location: Rice Television Studio, JPL
Moderated by Kathleen Scherf

- Erica Pomerance, Project Coordinator, Quebec, and Hyacinthe Combary, **Taling Dialo - New Technology Training for Africa's Cultural Industries**
- Katherine Milton, Researcher, Arizona State University, **On-line Identities, Moderation and Learning**
- Simon Penny, Professor of Arts and Engineering , University of California, Irvine, and Layer Leader for the Arts, California Institute for Telecommunications and Information Technology (CALIT2), UCI Division, **Building a truly multidisciplinary degree in digital arts by applying lessons from making art with engineers: intellectual, emotional and organizational dimensions of interdisciplinary collaborative teams**
- Mark Green, Chair, School of Creative Media, City University of Hong Kong**, Cultural Implications of Authoring Tools—An Opportunity for Collaboration, Research and Development**
- Dean Nieusma, Department of Science and Technology Studies, Rensselaer Polytechnic Institute; **Product Design and Innovation: A New Curriculum Combining Architecture, Humanities and Engineering: What Models for integrating learning exist in contemporary university structures?**

11:00 – 11:15am
<u>**COFFEE BREAK**</u>

11:15 – 12:45pm
<u>**PUBLIC SPACES and COLLABORATIVE INTERVENTION**</u> **(15 Minute Presentations from each group and DISCUSSION)**
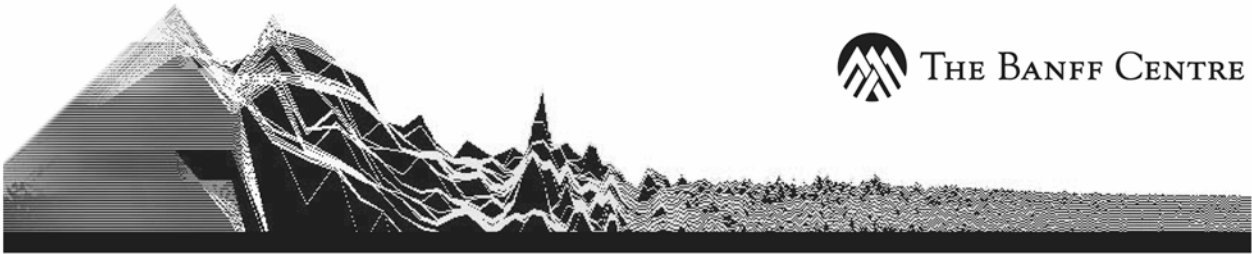*Location: Rice Television Studio, JPL*
Kris Cohen, Introduction and Moderator, Lecturer in Sociology, University of Surrey, U.K.
How does new media intersect with human uses of space?

- Janine Marchessault, Associate Professor, Department of Film and Video, York University; Keith Flynn, Media Designer, Flynn Productions; Ayesha Hameed, York University; **Virtual Toronto: Interdisciplinary Knowledge and New Research Tools**
- Brigid Howarth and Ben Coode-Adams, **E3 (Explore, Expand, Exchange-science and industry museums and gallery project, Manchester)**

12:45 - 1:45pm
<u>**LUNCH IN THE BANFF CENTRE DINING ROOM**</u>

BANFF NEW MEDIA INSTITUTE

12:45 - 1:45pm
TECHNICAL RUN THROUGH FOR PRESENTERS
Location: Rice Television Studio, JPL
Please refer to technical schedule for details

1:45**– 3:15pm**
TOOLS FOR COLLABORATION (15 Minute Presentations from each group and DISCUSSION)
Location: Rice Television Studio, JPL
Co-Moderated by Sara Diamond and Dmitry Gorodnichy, Director, Computational Video Group, National Research Council
- Pierre Boulanger, Department of Computing Science, University of Alberta **, A Tele-immersive System for Collaborative Artistic Creation**
- Omar Cherkaoui, I' Institut Hexagram, Université du Québec à Montréal, McGill University, **A collaborative platform for the creation of 3D virtual personae**
- Mike Steventon, Art Interface Device, InterAccess, and Michelle Kasprzak, Art Interface Device, **Collaborative Approaches to Electronic Art Production—Despite TV, SenseBus, AID System**

3:15 – 3:30pm
COFFEE BREAK

3:30 – 4:30pm
NETWORKS, PRACTICE and POLICY (ROUNDTABLE—8 MINUTE TALKS WITH RESPONSE AND DISCUSSION)
Location: Rice Television Studio, JPL
Co-Moderated by Anne Nigten, V2 Lab and Celia Pearce
- Nichola Feldman-Kiss, **The Canada Art Grid**
- Branda Miller, Professor of Media Arts, iEAR Studio, Rensselaer Polytechnic Institute, **Building a Community Teleport, Research in Social and Technological Telecommunications Infrastructure**
- Tapio Mäkelä, m-cult, Centre for New Media Culture, Helsinki, Finland; **New Media Culture as an Environment for Innovation.**

4:30 – 6:00pm
BREAK OUT GROUPS
Location: Rice Television Studio, Telus Studio, JPL 204, and JPL 313
Facilitated by Sara Diamond and Susan Bennett and led by Conference Jury.
Delegates work in breakout groups to discuss questions of policy, institutional structure, Bridges future and other issues raised in day three with report back for final half-hour
Summary session/evaluation—open discussion. Strategies, networks for the future.
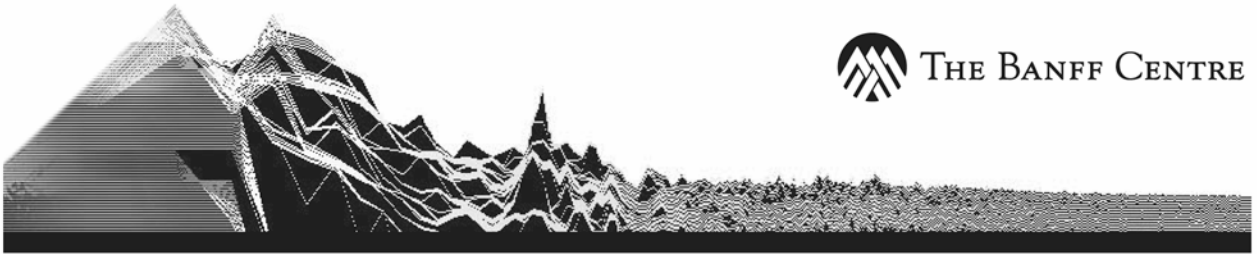
2002

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6:30 – 8:00pm
GROUP DINNER AT THE BANFF CENTRE DINING ROOM
Location: Banff Centre Dining Rooms 3, 4, 5

8:00 - 9:30pm
STEAMING MEDIA NET TOUR – intro and tour of the sauna with David Rokeby and Tapio Makela
Location: Sally Borden Building

9:30pm
Farewell Bridges and Launch Party: INVENT! Horizon Zero Issue three on the work of David Rokeby with DJ
Location: Telus Studio, JPL