

THE BANFF CENTRE

BANFF NEW MEDIA INSTITUTE

2004

**Outside/Inside: Boundary Crossings A Wearable Design Workshop**

**July 31st - August 4th, 2004**

This event is made possible through the support of:



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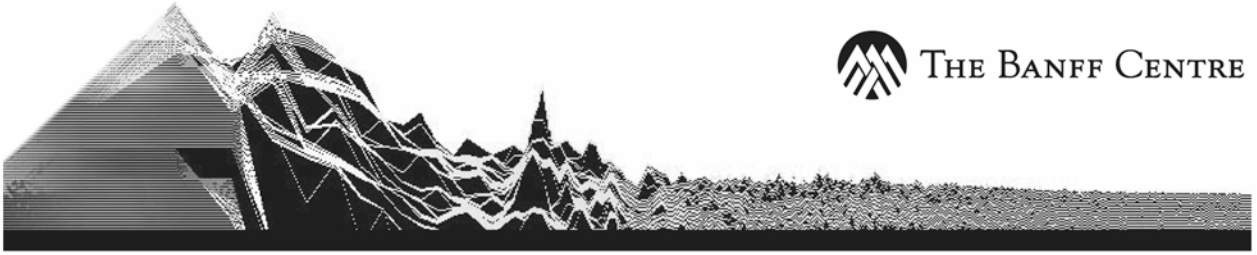
**THE ROCKEFELLER FOUNDATION**



Arts Training programs at The Banff Centre are supported by the Department of Canadian Heritage and Human Resources Development Canada through the National Arts Training Contribution Program.

Listen live at [www.horizonzero.ca](http://www.horizonzero.ca) or [www.banffcentre.ca/bnmi](http://www.banffcentre.ca/bnmi)

Agenda: Outside/Inside: Boundary Crossings, a Wearable Design Workshop



## BANFF NEW MEDIA INSTITUTE

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Agenda: Outside/Inside: Boundary Crossings,  
a Wearable Design Workshop

## THEMES AND GOALS

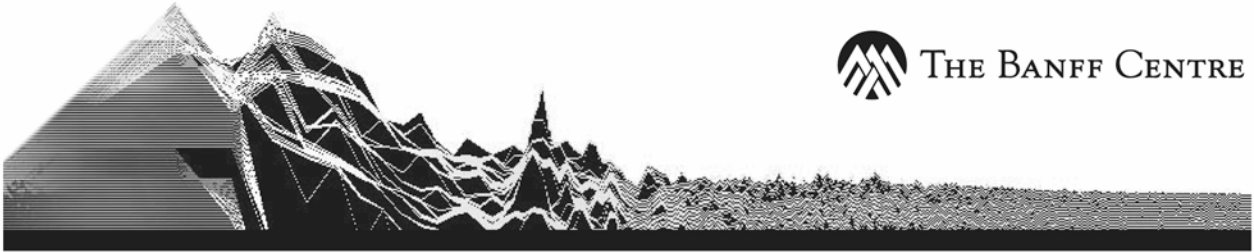
In Outside/Inside, we will extend the metaphor and materials of response to consider wearable computing. Fashion and costuming is core to cultural identity and cross-cultural exchange. Weaving, knitting and printing are century old techniques that can integrate biometric and information sensitive materials. New living materials can respond to fine-grained changes in body and environment. Material, fabric, garment, costume, device and experience designers will share their work with engineers, scientists, fashion theorists, technology companies and each other. In what contexts do men and women make use of wearable computers? What are creative approaches for creating wearable content experiences, what are the technical potentials and challenges (power sources for example)? What are the markets? How do we analyze fashion that lives under and on the skin?

Workshop participants are asked to bring completed works, work in progress and ideas. We will develop and trouble-shoot work in progress through the course of the workshop as well as ideas.

There will be access to a production facility that will allow sketching and some fast prototyping to occur.

The goals are to:

- *Develop an understanding of the emerging field of wearable design that bridges theory, concept and practice.*
- *Share approaches and techniques.*
- *Brainstorm solutions to existing projects and emerge new ones.*
- *Build ongoing working relationships between participants.*



## BANFF NEW MEDIA INSTITUTE

### AGENDA

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Agenda: Outside/Inside: Boundary Crossings,  
a Wearable Design Workshop

**Sara Diamond**, Director of Research and Artistic Director, Banff New Media Institute (BNMI), The Banff Centre, will moderate or co-moderate all sessions unless otherwise noted.

#### **Saturday, July 31<sup>st</sup>**

**9:00pm**

##### **Wearable Design Workshop Meet and Greet**

*Location: Room 104, Professional Development Centre (PDC)*

Come have a drink. There will be an opportunity to introduce yourself and your goals for the workshop.

#### **Sunday, August 1<sup>st</sup>**

**8:00am – 9:00am**

##### **Technical Run Through**

*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

**\*ALL PRESENTERS FOR THE DAY MUST ATTEND - see technical run through schedule for times.**

**9:00am – 9:45 am**

##### **Welcome and Goals:**

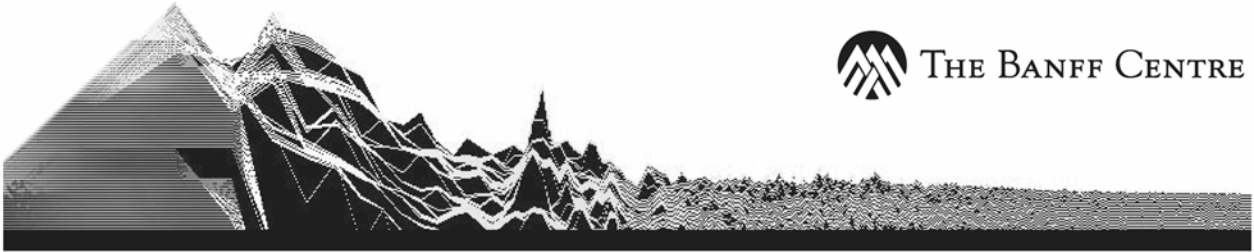
*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

Kick off talk and discussion: Why this workshop? What are some of the key concepts and questions? What is the process of the workshop? Presentation by faculty and brief introductions.

- **Sara Diamond**, Director of Research and Artistic Director, BNMI, The Banff Centre

**9:45am - 11:00am**

**Set up of working studios for all participants present on August 1st**



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11:00am - 1:00pm

**Participant show and tell, discussion of projects, (10 minutes each) issues and goals for workshop based on work in process.**

*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

1:00pm – 2:00pm

**LUNCH \*\*\*please note: last service in the dining room is at 1:30pm\*\*\***

2:00pm – 3:45pm

**Participant show and tell continues**

*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

3:45pm – 4:00 pm

**BREAK**

4:00pm – 5:15pm

**The Choreography of Switching Systems; Active Sensate Materials**

*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

**Discussion Leader: Joanna Berzowska**, Assistant Professor, Concordia University (Montreal, Quebec)

With:

- **Elise Co**, Designer, mintymonkey (Santa Monica, California)
- **Sha Xin Wei**, Professor, School of Literature, Communication & Culture, Georgia Tech (Atlanta, Georgia) and **Maja Kuzmanovic**, Coordinator, FoAM (Brussels, Belgium)

5:15pm – 7:00pm

**Walk Tunnel Mountain**

*Location: Meet outside THE KILN CAFÉ (outside Jeanne and Peter Lougheed Building)*

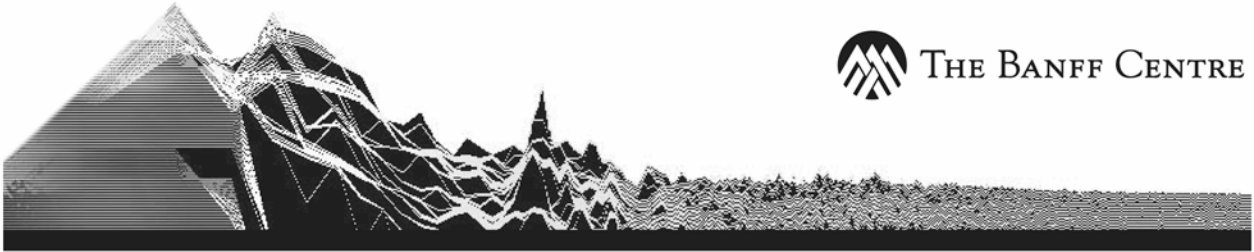
7:00pm – 8:30pm

**DINNER**

8:30pm – 11:00pm

**Socialize over Drinks**

*Location: JPL PATIO 3<sup>rd</sup> floor*



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### Monday, August 2<sup>nd</sup>

8:30am – 9:30am

#### Technical Run Through

*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

**\*ALL PRESENTERS FOR THE DAY MUST ATTEND - see technical run through schedule for times.**

9:30am – 10:00am

#### Check in with participants and introduction of FOAM project

*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

- **Maja Kuzmanovic**, Coordinator, FoAM (Brussels, Belgium)  
(10 minutes)

10:00am – 11:00am

#### Data aesthetics, topographical approaches to design

*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

**Discussion Leader: Sha Xin Wei**, Professor, School of Literature, Communication & Culture, Georgia Tech (Atlanta, Georgia)

With:

- **Tom Donaldson**, Software Developer (London, UK)
- **Katherine Moriwaki**, Ph.D. Candidate Networks and Telecommunications Research Group (NTRG) (Dublin, Ireland)

11:00am – 11:15am

**BREAK**

11:15am – 1:00pm

#### Working sessions on projects and prototypes

1:00pm – 2:00pm

**LUNCH** \*\*\*please note: last service in the dining room is at 1:30pm\*\*\*

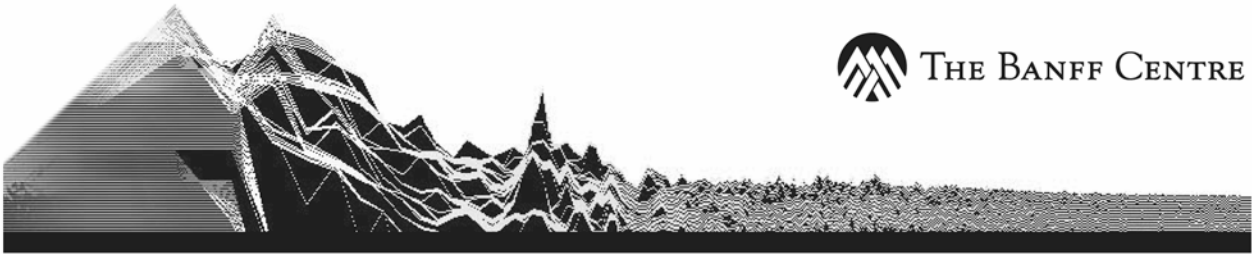
2:00pm – 6:00pm

#### Technical workshops and technique sharing and discussions (about 30 minutes each with discussion)

*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

#### Weaving and knitting with new and traditional materials

- **Barbara Layne**, Artist, Researcher, Associate Professor, Studio Arts, Concordia University - Hexagram Institute (Montreal, Quebec)



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- **Aissa Dionne**, Textile Designer, Furniture Designer & Gallerist (Senegal)
- **Joanna Berzowska**, Assistant Professor, Concordia University (Montreal, Québec)
- **Susan Jenkyn-Jones**, Fashion Design Leader (Senior Lecturer), Fashion and Textiles, Central Saint Martins, The University of the Arts (London, UK)

### Sensor systems

- **Maria Lantin**, Visualization Researcher, Banff New Media Institute, The Banff Centre
- **Tom Donaldson**, Software Developer
- **Maja Kuzmanovic**, Coordinator, FoAM

### Mobile Devices

- **Tom Donaldson**, Software Developer (London, UK)
- **Michael McCarthy**, Research Assistant / PhD Candidate, Mobile & Wearable Computing Group, University of Bristol (Bristol, UK)

### Electroluminescence

- **Vicki Lawton**, Fashion Designer, Rosedene (Telford, Shropshire, UK)

### Inks and Dyes

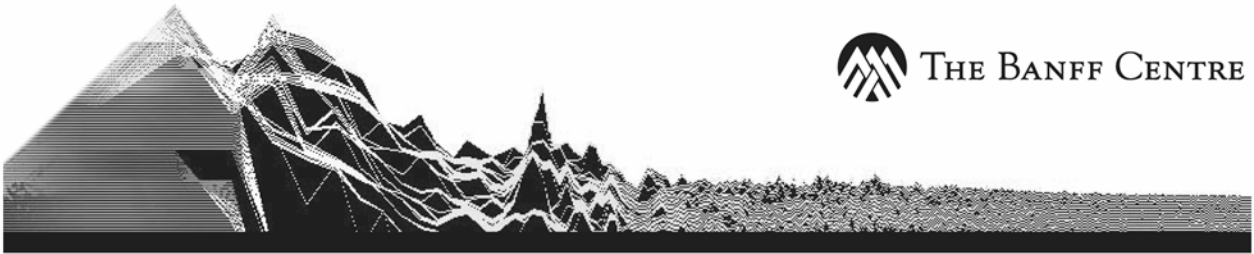
- **Aboubakar Fofana**, Textile Designer, Calligraphe & Graphiste (Aubervilliers, France)
- **Elise Co**, Designer, mintymonkey (Santa Monica, California)

### Conductive Textiles and Responsive Materials

- **Vincent Leclerc**, Freelance Interactive Designer (Vancouver, BC)
- **Joanna Berzowska**, Assistant Professor, Concordia University (Montreal, Québec)
- **Susan Jenkyn-Jones**, Fashion Design Leader (Senior Lecturer), Fashion and Textiles, Central Saint Martins, The University of the Arts (London, UK)

6:00pm – 7:30pm  
DINNER

7:30pm  
FREE EVENING- PROJECT WORKING TIME



2004~~2004~~

# UPDATE AGENDA As of August 3<sup>rd</sup> and August 4<sup>th</sup>

Agenda: Outside/Inside: Boundary Crossings,  
a Wearable Design Workshop

## Tuesday, August 3rd

8:00am – 9:00am

### Technical Run Through

*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

**\*ALL PRESENTERS FOR THE DAY MUST ATTEND - see technical run through schedule for times.**

9:00am – 9:30am

### Check in with participants and introduction of Victoria Vesna and her project

*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

- **Victoria Vesna**, Design/Media Arts, UCLA (London, UK)  
10 Minutes

9:30am – 10:30am

### Can Fashion Meet the Future: Who are we designing for and in what context?: Roundtable

*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

**Moderator: Susan Jenkyn-Jones**, Fashion Design Leader (Senior Lecturer), Fashion and Textiles, Central Saint Martins, The University of the Arts (London, UK)

#### **Discussion Leaders:**

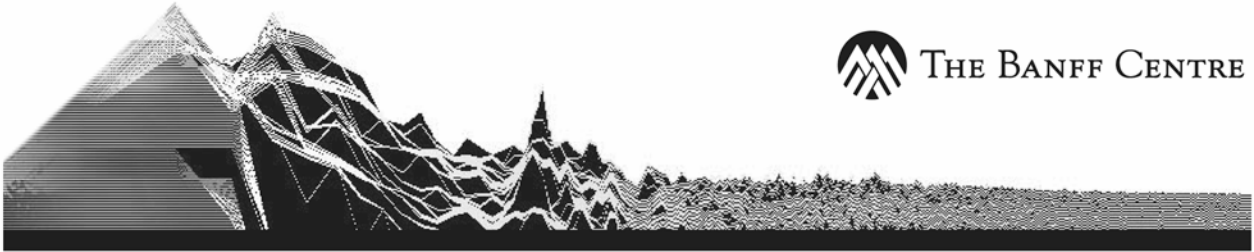
- **Nicola Green**, Professor, Department of Sociology, University of Surrey (Surrey, UK)
- **Nina Czegledy**, Artist, Critical Media, ISEA (Toronto, Ontario)

10:30am – 10:45am

**BREAK**

10:45am – 12:00pm

### Hands on working session



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12:00pm – 1:00pm  
LUNCH

1:00pm – 5:30pm  
Hands on working session

5:30pm - 8:30pm  
DINNER and FREE TIME

8:30pm  
EVENING WORKING SESSION and Fashion show and exhibition  
planning (with beer and wine)

*Location: Room 204, The Jeanne and Peter Lougheed Building (JPL)*

### Wednesday August 4th

8:00am – 9:00am  
Technical Run Through

*Location: Rice Studio, The Jeanne and Peter Lougheed Building (JPL)*

**\*ALL PRESENTERS FOR THE DAY MUST ATTEND - see technical  
run through schedule for times.**

9:00am – 9:30am  
Check in with participants

*Location: Rice Studio, The Jeanne and Peter Lougheed Building (JPL)*

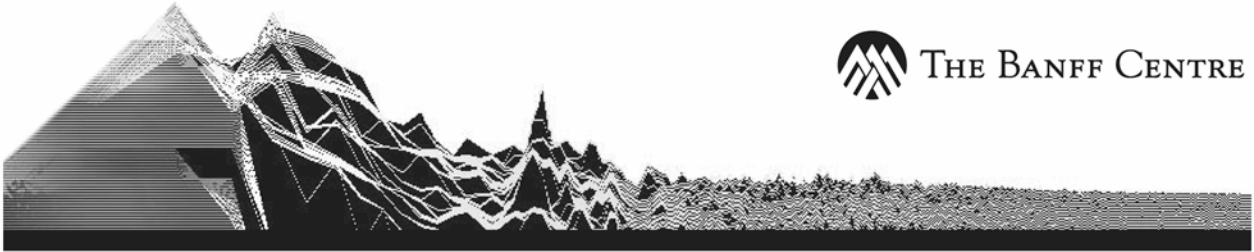
9:30am – 10:30am  
Communications systems, responsive environments and fashion

*Location: Rice Studio, The Jeanne and Peter Lougheed Building (JPL)*

**Discussion Leader: Sara Diamond**, Director of Research and Artistic  
Director, BNMI, The Banff Centre with:

- **Tom Donaldson**, Software Developer (London, UK)
- **Sabine Seymour**, CEO and Chief Creative Officer, Moondial Inc. and  
Design Fellow, Parsons School of Design (Austria)
- **Katherine Moriwaki**, Ph.D. Candidate Networks and  
Telecommunications Research Group (NTRG) (Dublin, Ireland)
- **Michael McCarthy**, Research Assistant / PhD Candidate, Mobile &  
Wearable Computing Group, University of Bristol (Bristol, UK)

10:30am – 10:45am



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### BREAK

10:45am – 11:45am

#### **Performance and Wearable Technologies**

*Location: Rice Studio, The Jeanne and Peter Lougheed Building (JPL)*

**Discussion Leader: Maja Kuzmanovic**, Coordinator, FoAM (Brussels, Belgium)

With:

- **Yacov Shirir**, Professor, Dance and Virtual Environments, University of Texas at Austin (Austin, Texas)
- **CodeZebra Team** (**Sara Diamond, Vicki Lawton, Larissa Virdee, Susan Jenkyn-Jones, Jhave Johnston, Joanna Berzowska and Vincent Leclerc**)

11:45am – 12:45pm

#### **Time, Memory, Emotion – Time as Medium: Roundtable**

*Location: Rice Studio, The Jeanne and Peter Lougheed Building (JPL)*

**Moderator: Sara Diamond**, Director of Research and Artistic Director, BNMI, The Banff Centre.

**Discussion Leaders:**

- **Joanna Berzowska**, Assistant Professor, Concordia University (Montreal, Quebec)
- **Jenny Tillotsen**, Senior Research Fellow, Fashion Textile Design, Central Saint Martins College of Art & Design (Bayonne, France)

12:45pm – 2:00pm

**LUNCH \*\*\*please note: last service in the dining room is at 1:30pm\*\*\***

3:00pm – 6:00pm

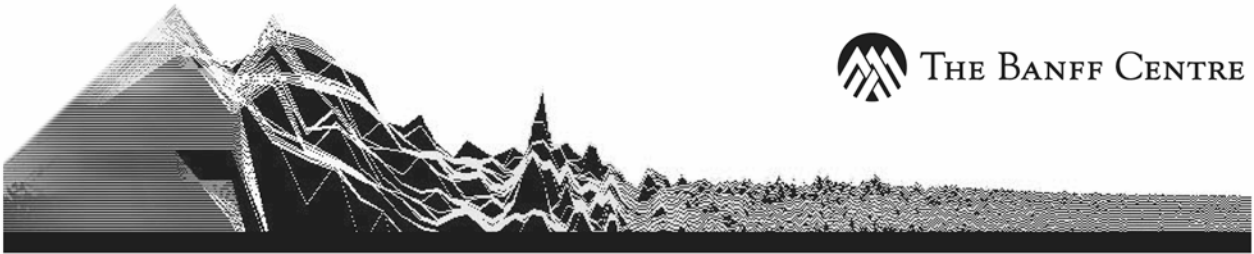
#### **Work on projects and Open Studios**

Given the short duration of the workshop, these will be extremely casual and teams are encouraged to keep working and interact with visitors as appropriate.

**All Responsive Environments Summit Participants** who have arrived by this time are invited to attend.

6:00pm to 7:30pm

**DINNER**



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7:30pm– 9:00pm

**Large group discussion of conclusions of the Wearable Design Workshop, design review, what we want to carry forward.**

Future collaboration – what, why and how.

*Location: Rice Studio, The Jeanne and Peter Lougheed Building (JPL)*

**All Responsive Environments Summit Participants** who have arrived by this time are invited to attend.

9:00pm

**Inside/Outside: Responsive Environments and Ubiquitous Presence Summit Meet and Greet for participants who are arriving**

*Location: Room 202, Professional Development Centre (PDC)*