

**FCAD**

# **RUBIX**

**SHOWCASING SCHOLARLY  
RESEARCH & CREATIVE  
INNOVATION**

**fall 2019**



**Faculty of Communication and Design  
Ryerson University**



# Welcome to RUBIX 2019

Every year, RUBIX brings together brilliant minds from across the fields of media, design, and creative industries to explore, innovate, and impact the world we live in. Much of our success can be attributed to our Faculty's scholarly, research, and creative work. FCAD, Ryerson's Faculty of Communication and Design in Toronto, Canada, is proud to be a prolific hub of creative, disruptive, and engaging thought leadership. Our faculty and students are recognized in Canada and internationally as leaders in a wide range of disciplines who implement design thinking, interactive and immersive experiences, and critical thought. From design fabrication and textile computing to immersive video and award-winning photography, the diversity of work done in FCAD is like no other at Ryerson. Our researchers continue to ask new questions and seek creative solutions in the face of disruption.



**Charles Falzon**

Dean - FCAD

## COVER PHOTO

3D printed architectural model exploring mathematical surfaces. By Jonathon Anderson (2018). On display at the Creative Technology Lab, FCAD's new facility for creative innovation and technology.



# SHOWCASING SCHOLARLY, RESEARCH & CREATIVE INNOVATION

RUBIX 2019 is FCAD's fifth annual exhibition of Scholarly, Research and Creative activities. As you will see, projects that our faculty undertake are creative, innovative, and impactful to the world we live in. We have the greatest variety of research and creative production of any faculty at Ryerson. Our faculty members produce over five hundred SRC outputs annually, ranging from: books, journal articles, films, television, reports, reviews, photography, and new media to design, performances, exhibits, editorials, news articles, installations, software, and creative writing. At FCAD, new and emerging forms of cultural expression are imagined, invented, performed, and shared. We are thrilled to show you the impact of FCAD's creative innovation and invite you to connect with our faculty members for future collaborations.

*Charles H. Davis*

## Charles H. Davis

Associate Dean - Scholarly, Research and Creative (SRC)

# FCAD

Faculty of Communication and Design

**Ryerson FCAD, Faculty of Communication and Design, is an influential education hub and innovation ecosystem at the heart of Canada's media, design, and creative industries.**

It is grounded in Canadian values but with a truly international perspective and scope. Our programs, many of which are one-of-a-kind in Canada or have been identified as top in their field both nationally and internationally, attract many industry, government, and academic partners seeking to create impact at a global level.

[ryerson.ca/fcad](https://ryerson.ca/fcad)    @RyersonFCAD



## EBOOKS PUBLISHING

Open Educational  
Resource eBooks

**RICHARD ADAMS**  
with **CHRIS SMYTH**  
& **JANYNE LEONARDI**  
GRAPHIC COMMUNICATIONS MANAGEMENT

As part of Ryerson Library's open educational resource program, Richard and his colleague, Ahmed Sagarwala, released an eBook for the Graphic Communications Management program titled "Web Design Primer." The book, uses graphics to illustrate key web design concepts and replaces a much larger and more expensive textbook.

[ryerson.ca/fcad/rubix2019/richard-adams](http://ryerson.ca/fcad/rubix2019/richard-adams)



## MUSICAL COMEDY ON LANGUAGE & IDENTITY

Foreign Tongue

**CYNTHIA ASHPERGER**  
PERFORMANCE

Foreign Tongue is a musical comedy and publication that explores immigrant experiences and the issues surrounding language and identity.

[ryerson.ca/fcad/rubix2019/cynthia-ashperger](http://ryerson.ca/fcad/rubix2019/cynthia-ashperger)



# WOMEN ON AIR

Pass the Mic: Women Finding Space on Air

**LORI BECKSTEAD**  
with ANNA ASHITEY, STACEY COPELAND, KELSEY CUEVA & PIPPA JOHNSTONE

RTA SCHOOL OF MEDIA

With a specially-designed interactive radio, the project shares and highlights women's experiences, perceptions, and challenges of being female in a traditionally male-dominated field.

[ryerson.ca/fcad/rubix2019/lori-beckstead](http://ryerson.ca/fcad/rubix2019/lori-beckstead)



# HUMAN-ROBOT INTERACTIONS IN DANCE

The Uncanny Robots Project

**MICHAEL F. BERGMANN**  
with LINDA ZHANG (Interior Design),  
LOUIS LABERGE-CÔTÉ (Performance)  
& BELINDA MCGUIRE

PERFORMANCE

In an attempt to blur the lines between performers, audiences, and technology, this project explores the possibilities of human-robot interactions in dance performance.

[ryerson.ca/fcad/rubix2019/michael-bergmann](http://ryerson.ca/fcad/rubix2019/michael-bergmann)





# MIGRANT AND REFUGEE EQUITY

**Project Finding Home:  
Migration, Placemaking  
& Research Creation**

**MARUSYA BOCIURKIW**  
with **JENNIFER MA** (Postdoc Fellow),  
**AYAT SALIH** (RA) & **MCC TORONTO**  
**RTA SCHOOL OF MEDIA**

This project examines what home is for those who have had to abandon their homelands. It employs a multi-modal approach to develop new standards of collaboration, representation, and policy to increase equity for migrants/refugees.

This project is funded by SSHRC, RBC, and Ryerson's URO fund.

[ryerson.ca/fcad/rubix2019/marusya-bociurkiw](http://ryerson.ca/fcad/rubix2019/marusya-bociurkiw)



Photograph of an event hosted by The Studio for Media Activism (Marusya Bociurkiw, Director).



# DESIGN FOR THE STAGE

Ryerson Goes to Prague  
Quadrennial

**PAVLO BOSYY**  
with **CAROLINE O'BRIEN**  
& **ANDREW NASTURZIO**  
PERFORMANCE

For Prague Quadrennial of Performance Design and Space 2019 — the world's leading international showcase of the best design for performance, scenography, and theatre architecture — Pavlo curated a series of photos, videos and fabrics to document theatre design and the use of digital technology in theatre.



# CIRCUIT PRINTING FOR RAPID PROTOTYPING

Flexible Circuits

**STEVE DANIELS**  
with **MEGAN SCHOEPPICH**

RTA SCHOOL OF MEDIA

Circuit printing has recently emerged as a new strategy for the rapid prototyping of electrical hardware. These processes use tools that integrate 3D printing strategies with the fabrication power of CNC milling. Steve's project explores this novel method as a solution for traditional approaches, which are costly and time consuming.



Our **partnership** with FCAD has seen an amazing array of **interdisciplinary** and **international** projects and is forming the basis for large-scale multi-million dollar grant applications. We're very proud to be one of **Ryerson's** principal **UK partners**.

— JANET JONES

DEAN, ARTS AND CREATIVE INDUSTRIES  
LONDON SOUTH BANK UNIVERSITY



## LIVE ENTERTAINMENT INNOVATION

The Future of Live Entertainment Lab (FOL!E)

**LOUIS-ÉTIENNE DUBOIS**  
CREATIVE INDUSTRIES

The Future of Live Entertainment Lab (FOL!E) is a collaboration between FCAD and Cirque du Soleil Entertainment Group's (CDSEG) innovation unit, Nextasy. As the director of FOL!E, Louis-Étienne supports the development of innovative projects in areas such as performance, stagecraft, technology, and user-experience.

## IMMERSIVE LEARNING ENVIRONMENTS

Backstage Pass: Active Learning & User-Generated Content in the Classroom

**STEVEN EHRICK**  
with **NOAH SCHWARTZ**  
& **JAMES SLOTTA**  
RTA SCHOOL OF MEDIA

This design-based research study focuses on how 21st century skills can be taught effectively in a dynamic learning environment where students are immersed in the real-life experiences.



# MEMES & POLITICAL DISCOURSE

## The Dark Web's Impact on the 2019 Canadian Election

**GREG ELMER**

PROFESSIONAL COMMUNICATION

This research study investigates how political memes, language, and shared political objects (videos, photos, images, graphics, posts, etc.) from fringe websites become insinuated into mainstream political discourse. The project is funded by The Digital Ecosystem Research Challenge, made possible in part by Canadian Heritage and the Government of Canada's History Fund grant.

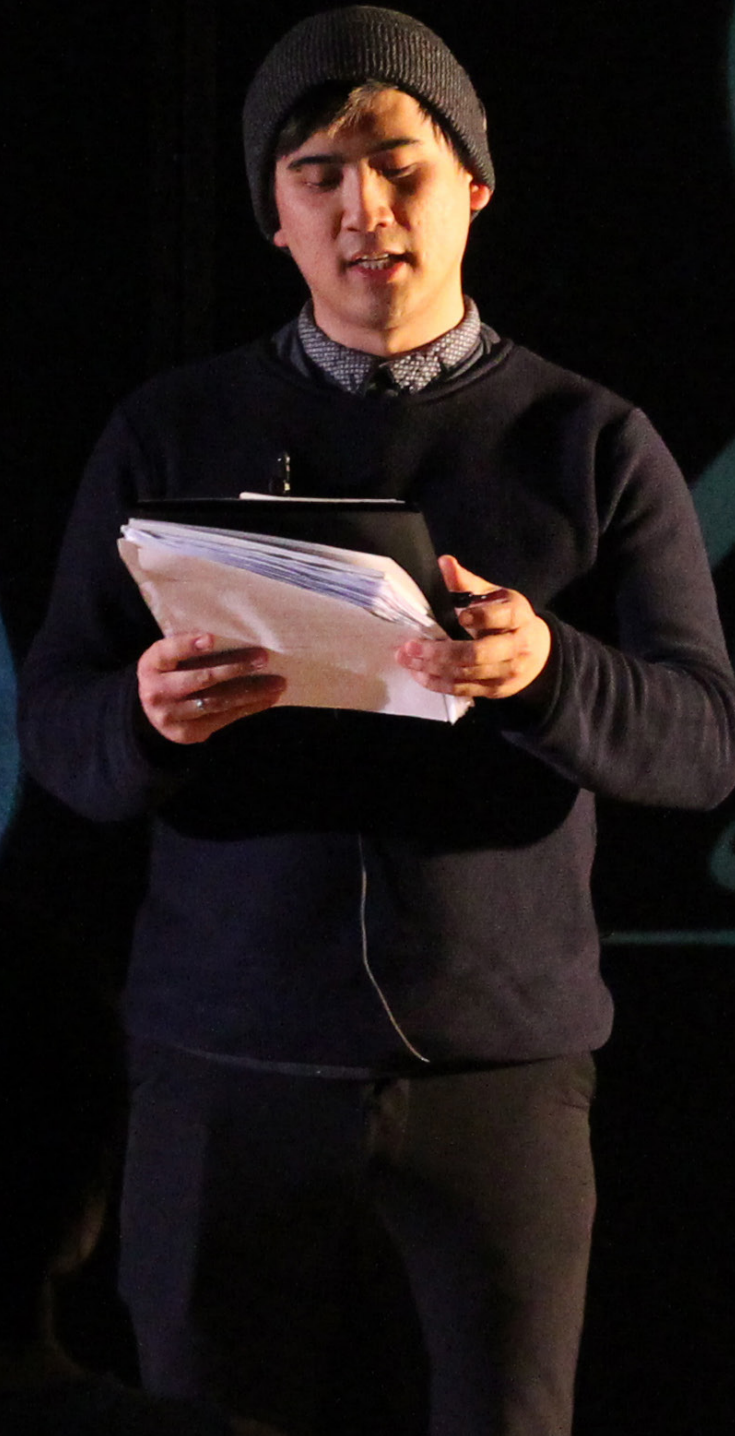


# AUDIENCE-FOCUSED LIVE JOURNALISM

Scaffolding an Interdisciplinary  
Production: Explorations in  
Live Journalism

SONYA FATAH  
with ASHLEY FRASER

JOURNALISM



By experimenting with different models of audience-focused experiences, Sonya's project explores how media companies can employ the live stage to tell stories and simultaneously build trust through engagement and interaction with audiences.



# INTERACTIVE EXPLORATION

## Map of Success

**JESSICA FIELD**  
RTA SCHOOL OF MEDIA

This project is an interactive work that uses intelligent agents in a computer program to explore the social complexity of attaining success. The project incorporates an allegorical map, "The Road to Success" copied and modified from The Étude published in October 1913. It draws an awareness of how limited resources impact the success of an individual and how it affects their focus in attaining their goals.





# UNLOCKING CREATIVITY

**Creativity  
Everything Lab**

**DAVID GAUNTLETT  
with RAIN SENRA-FRANCOIS,  
OLIVIA MILLER, NICOLE  
PAYETTE & MARY KAY  
CULPEPPER**

**CREATIVE INDUSTRIES**

David is Tier 1 Canada Research Chair in Creative Innovation and Learning. He founded the Creativity Everything lab to explore ways to unlock people's creativity for individual self-expression, creative production, and social engagement. Creativity Everything offers a new model of research in Canada, integrating the traditional processes and products of research with public outreach events, workshops, teaching innovation, and online engagements.





# TRACING COLONIAL NARRATIVES

Words Have a Past

**JANE GRIFFITH**  
PROFESSIONAL COMMUNICATION

This book focuses on newspapers produced by American and Canadian Indian boarding schools from the nineteenth-century as both settler colonial tools and sites of resistance. These newspapers — read by settlers, government officials, and Indigenous parents — contain narratives of language, time, and place.

# REIMAGINING STUDENT HEALTHCARE

The University Medical Centre:  
A Student's Perspective

**GABRIELLE HUBERT**  
with **CAMERON POW & SANDRA TULLIO-POW**  
FASHION

This project explores student experience in finding primary care and using the University Medical Centre offering a better understanding of the student health care within the university.



# URBAN PHOTOGRAPHY

## Port Lands Flood Protection Documentation

**VID INGELEVICIS**  
with **RYAN WALKER**

**IMAGE ARTS**

This project seeks to document and artistically interpret Waterfront Toronto's five-year project to revitalize the Port Lands of Toronto to protect the city from potential flooding.

[ryerson.ca/fcad/rubix2019/vid-ingelevics-ryan-walker](http://ryerson.ca/fcad/rubix2019/vid-ingelevics-ryan-walker)





# TORONTO ON FILM

Toronto Hides Itself Documentary  
Film & !Toronto Multi-screen  
Installation

DAVE KEMP  
with ALEXANDRA ANDERSON

IMAGE ARTS

This creative, part-documentary part-installation project explores Canada's identity on film, focusing specifically on the City of Toronto. Toronto Hides Itself documentary film and database by Alexandra uncovers how the City of Toronto acted as a stand-in for other cities. !Toronto is a multi-screen installation, produced by Dave, takes audiences on an immersive journey to visualize and understand the depiction of the City of Toronto on film.



# EMPATHIC COMPUTING

## Differentiated Reality

**RICHARD LACHMAN**  
with **TANYA POBUDA,**  
**JUAN PABLO PEÑA**  
& **ASSEEM KROMA**

RTA SCHOOL OF MEDIA

This human-computer interaction project uses cross-reality (XR) experiences to influence our understanding of accessibility needs and invisible disabilities. The project explores how software influences shared understandings and empathy in users, and how differences in experiences can impact collaboration and design.

[ryerson.ca/fcad/rubix2019/richard-lachman](http://ryerson.ca/fcad/rubix2019/richard-lachman)



# SMALL-MARKET NEWSPAPERS

Good News, Bad News:  
A Snapshot of Conditions at  
Small-Market Newspapers  
in Canada

**APRIL LINDGREN**  
with **BRENT JOLLY,**  
**CARA SABATINI &**  
**CHRISTINA WONG**

JOURNALISM

In collaboration with the National NewsMedia Council of Canada, this landmark report highlights current challenges affecting print journalism and provides insight into conditions at small-market newspapers in particular.

[ryerson.ca/fcad/rubix2019/april-lindgren](http://ryerson.ca/fcad/rubix2019/april-lindgren)



# 360° VIDEO STORYTELLING

The Hong Kong  
360 Series

**ADRIAN MA**  
with **GARY GOULD,**  
**JOSHUA CAMERON,**  
**ADAM CHEN &**  
**STEPHANIE LIU**

**JOURNALISM**

Using 360° video technology, this interactive multimedia journalism project explores the dynamic, complex, and visually stunning city of Hong Kong. The documentary episodes were captured over the past two summers, when Adrian led students from the Ryerson School of Journalism to Hong Kong to conduct street-level reporting.





**Working together with committed students and faculty from FCAD, **Cirque du Soleil Entertainment Group** is shaping design, art, communication, and **live entertainment** in an ever changing world.**

— **DIANE QUINN**

**CHIEF CREATIVE OFFICER**  
CIRQUE DU SOLEIL ENTERTAINMENT GROUP



# BLACK, INDIGENOUS, AND PEOPLE OF COLOUR

Building Solidarity Among  
Emerging BIPOC Academics,  
Practitioners, and Activists

**JENNIFER MA**

POSTDOC FELLOW  
(STUDIO FOR MEDIA ACTIVISM)

This project seeks to draw on and bridge together the work and lived experience of emerging Black, Indigenous, and coloured academics, practitioners, and activists to foster new and evolving critical perspectives.

[ryerson.ca/fcad/rubix2019/jennifer-ma](http://ryerson.ca/fcad/rubix2019/jennifer-ma)

# AUDIENCE-BASED EXPERIENCE DESIGN

Centre for Communicating  
Knowledge

**TAYLOR MACLEAN**

PROFESSIONAL COMMUNICATION

An interactive narrative-based website developed to guide internationally-educated healthcare professionals transition into Canadian workplaces.

Team members: Dr. Frauke Zeller (Director), Taylor MacLean (Manager), Akos Katona, and Rangga Luksatrio

[ryerson.ca/fcad/rubix2019/taylor-maclean](http://ryerson.ca/fcad/rubix2019/taylor-maclean)



# WINDOW DISPLAY: HAND WORK IN FASHION

handDress in becoming



**DANIELLE MARTIN**

**FASHION**

Inspired by her research, exploring the intersection of art, 3D printing technology, and fashion, Danielle created a window display exhibit that aims to emphasize the significance of handwork in the creative process of making a dress.

[ryerson.ca/fcad/rubix2019/danielle-martin](http://ryerson.ca/fcad/rubix2019/danielle-martin)



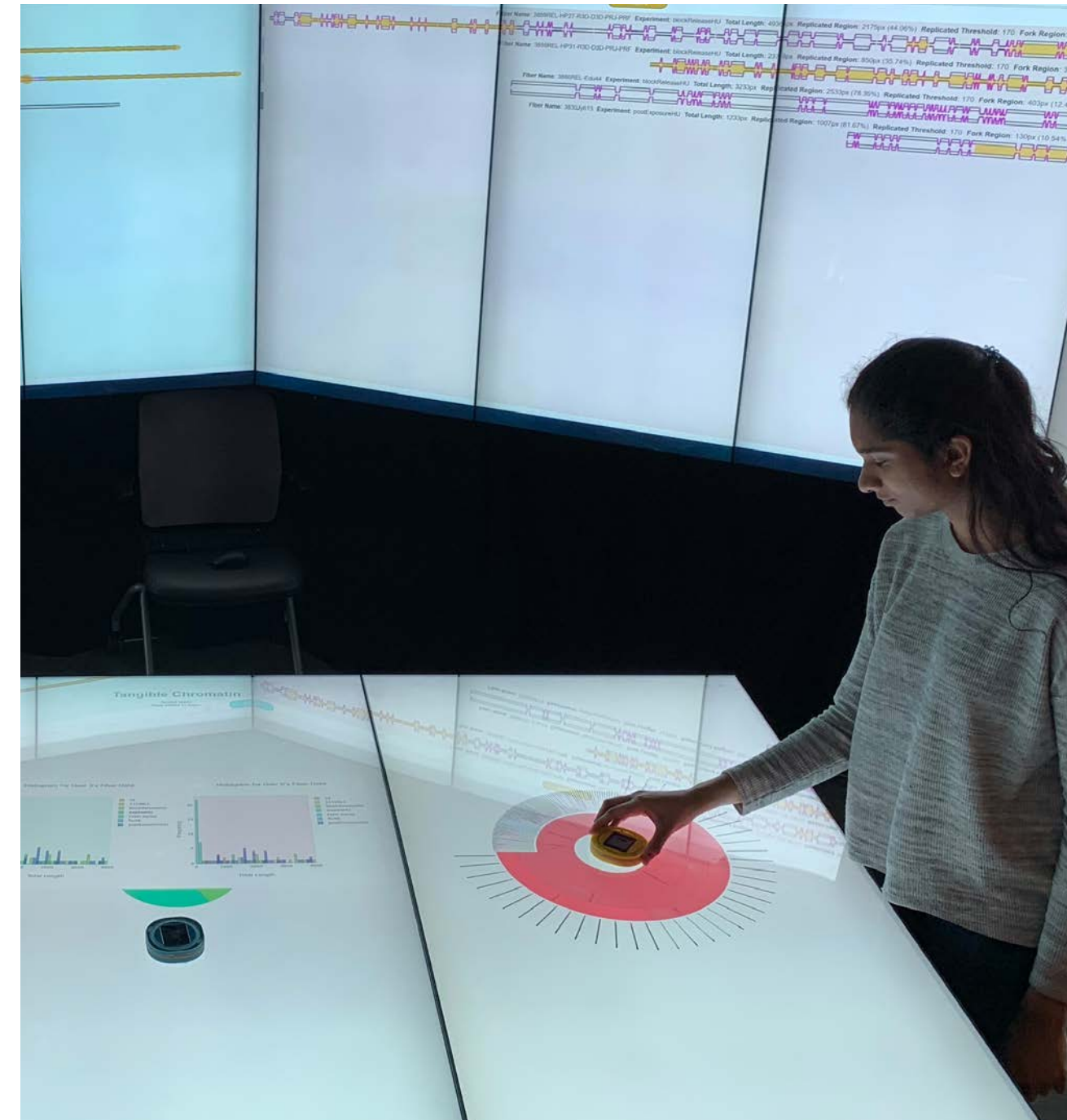
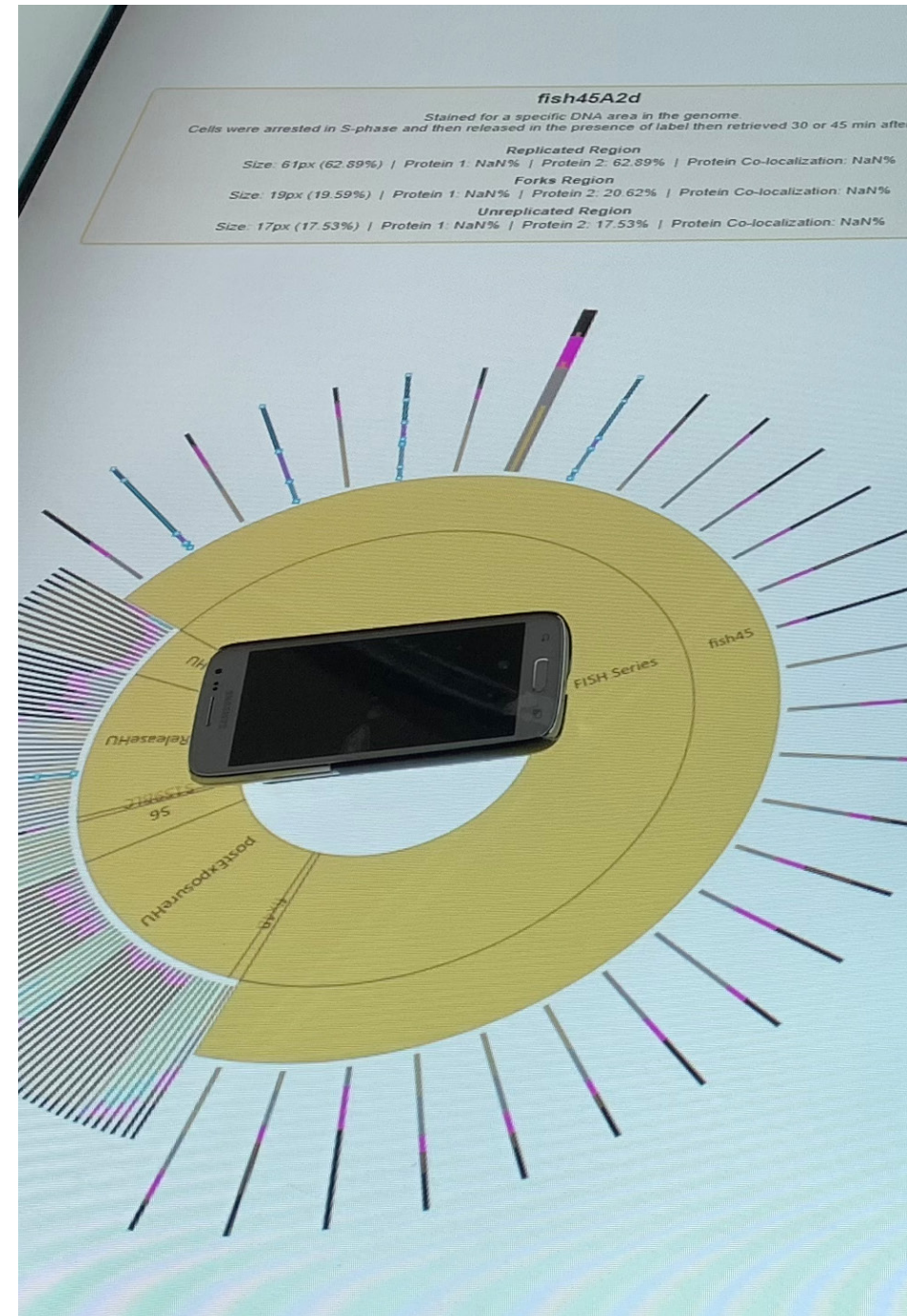
# TANGIBLE INTERACTION DESIGN

Synaesthetic Media Lab

**ALI MAZALEK**  
 with SYNLAB POSTDOCS:  
**ROOZBEH MANSHAEI,**  
**GABBY RESCH**  
 & **ANEESH TARUN**

RTA SCHOOL OF MEDIA

How can interactive computational media engage our bodies and our minds together? Through the interactive systems that are designed, developed, and evaluated in her Synaesthetic Media Lab, Ali demonstrates how tangible and embodied interactions with computational media can enhance creativity, discovery, and learning in different areas.





# NUCLEAR DISASTER PHOTOGRAPHY

**Rooted Among the Ashes: The  
A-bombed Trees of Hiroshima and  
Nagasaki**

**KATY MCCORMICK**  
IMAGE ARTS

The photograph and video series capture the hibakujumoku—"explosion-affected trees"—of Hiroshima and Nagasaki. The project reflects Katy's perspective as an empathetic outsider, shifting Hiroshima and Nagasaki out of the historic past and into the living present—where nuclear confrontation remains an ongoing threat.





# BALLET COSTUME DESIGN

Silent Partner

**CAROLINE O'BRIEN**

PERFORMANCE

This project explores the integral role that costume plays in the performance of ballet, and the careful considerations that allow costume to become part of the dancing body.

# FRAGILE

# SUSTAINABLE PACKAGING

Measurement and Analysis of  
Parcel Shipping Environment  
in Canada

**JONGHUN (JAY) PARK**  
with **CECILIA LEUNG**

GRAPHIC COMMUNICATIONS  
MANAGEMENT

This project examines the role of packaging design in Canadian shipping and distribution environments. Given the rise of online shopping, this research is interestingly vital to the Canadian e-commerce landscape.

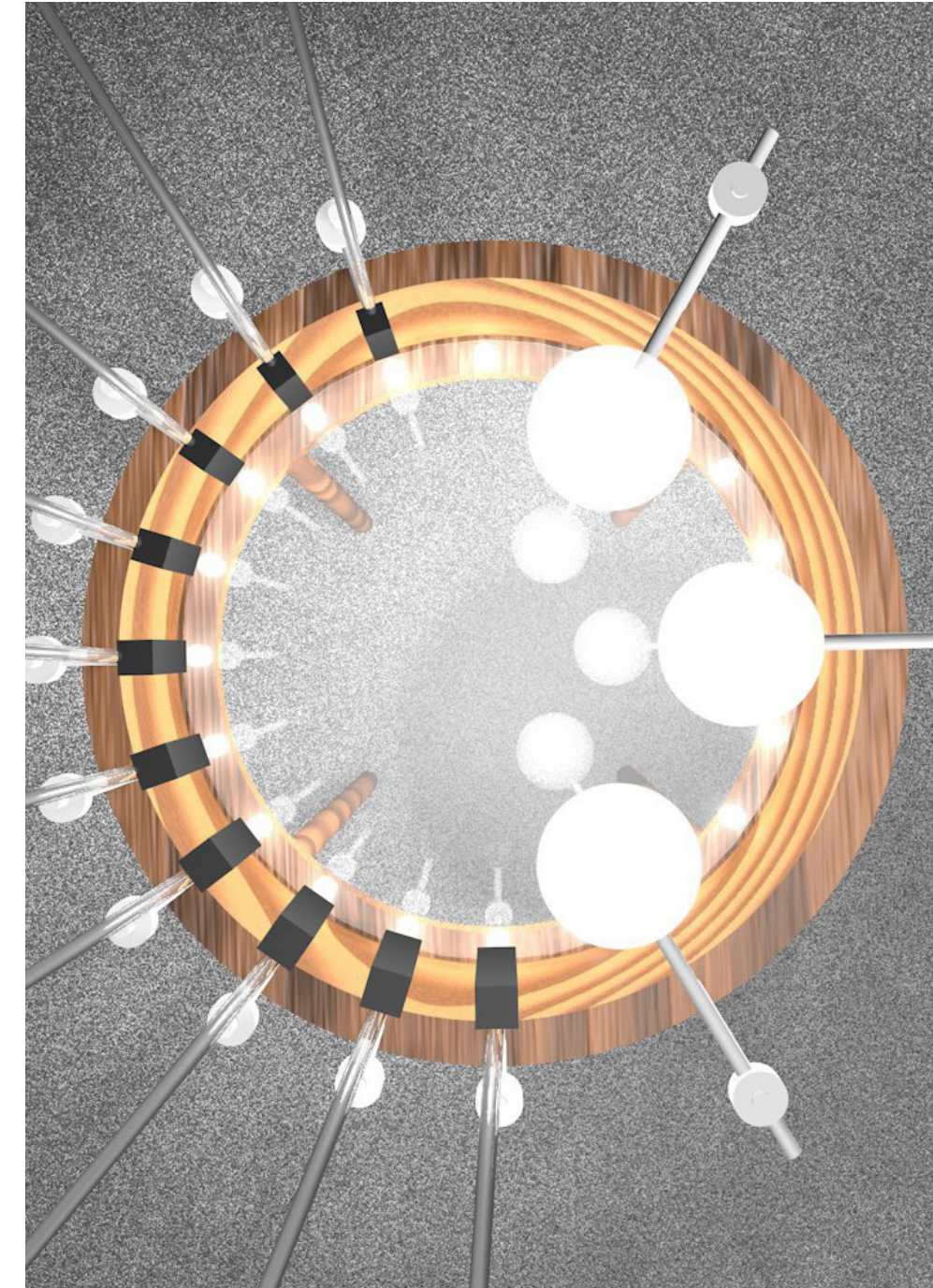
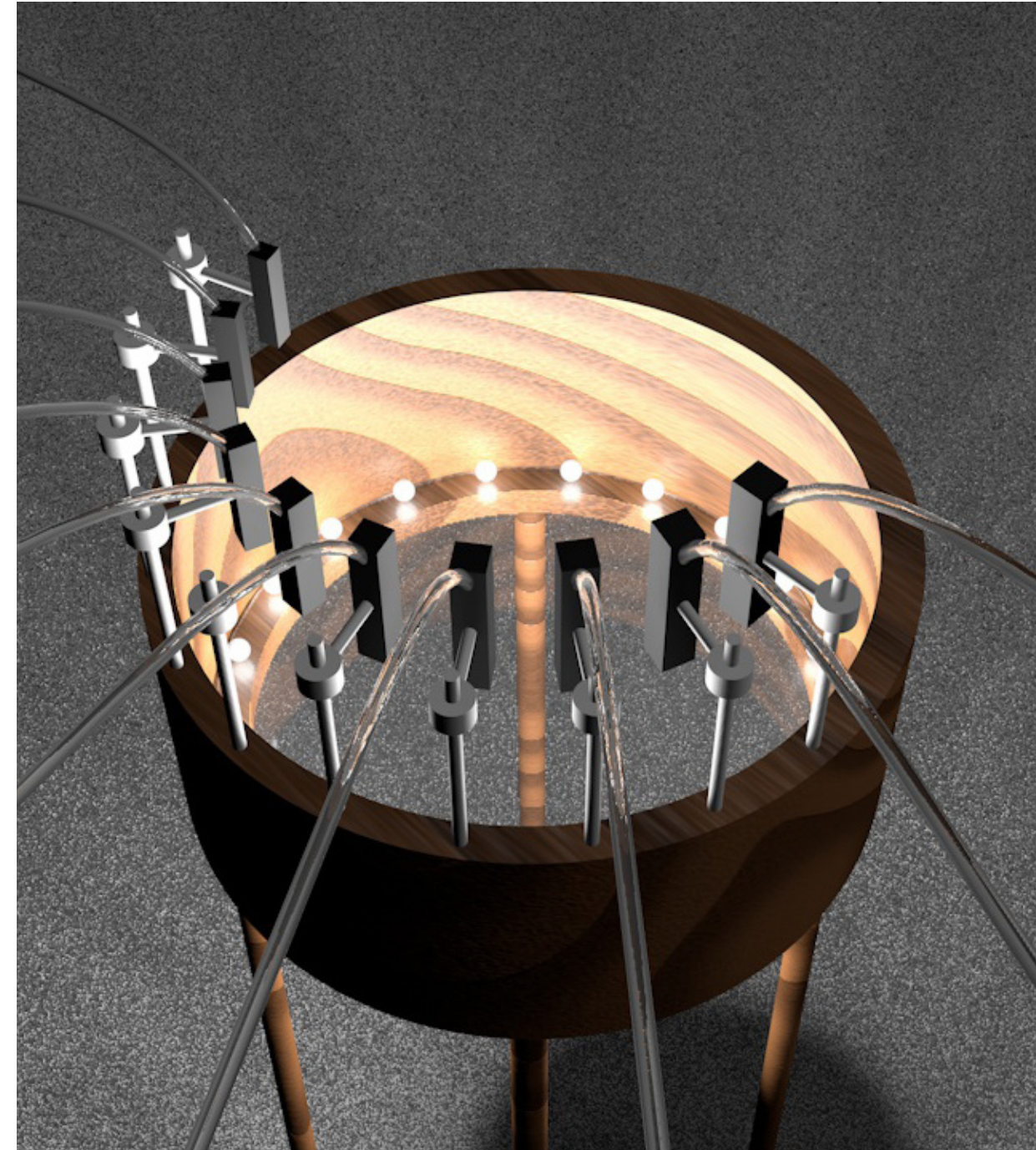


# VISUALIZING LANGUAGE

## Rain Dance

**HARRY CONDO,  
LILA PINE &  
ARMIN PARHIZ**  
RTA SCHOOL OF MEDIA

Rain Dance is an art installation that explores the relationship between language and water by looking at the way water and language generate one another in an attempt to understand the language of water.





# FINE ART IN 3D

## The Hidden Collection

**RAMONA PRINGLE**

**RTA School of Media**

The Hidden Collection takes viewers into the vaults, to tell the stories of underrepresented artists throughout the ages, and how history would have turned out differently had their work and perspectives been given the attention they deserved.

[ryerson.ca/fcad/rubix2019/ramona-pringle](http://ryerson.ca/fcad/rubix2019/ramona-pringle)



# TRACING SONAR TECHNOLOGY

**Audible Oceans**

**JOHN SHIGA**

**with TAYLOR MACLEAN**

(Centre for Communicating Knowledge)

**PROFESSIONAL COMMUNICATION**

Through a combination of archival research and participatory design, Audible Oceans explores the expanding reach of sonar technology and its role in shaping the way we perceive, represent, and use ocean space.

[ryerson.ca/fcad/rubix2019/john-shiga](http://ryerson.ca/fcad/rubix2019/john-shiga)





# HIGH SPEED PRINT PRODUCTION

TVI or G7?

**CHRIS SMYTH**  
with **DON HUTCHESON** (President,  
HutchColor, LLC) & **ALEXANDER HYAMS**

**GRAPHIC COMMUNICATIONS  
MANAGEMENT**

This project looks at two different techniques for measuring and controlling high-speed print production: Tone Value Increase (TVI) and Idealliance G7®. By testing these methods in simulated, controlled, environments, Chris provides a new understanding of best practices in print technology.

[ryerson.ca/fcad/rubix2019/chris-smyth](http://ryerson.ca/fcad/rubix2019/chris-smyth)



# JOURNALISTS' SELF-IDENTITY

The Independent  
Watchdog: Portrait of a  
Canadian Journalist

**LISA TAYLOR**  
with **COLETTE BRIN** (Université Laval),  
**HEATHER ROLLWAGEN** (Ryerson  
University) & **IVOR SHAPIRO**  
(Ryerson University)

**JOURNALISM**

The SSHRC-funded research study explores why Canadian journalists are more likely to see themselves as independent monitors of political and corporate power than their peers elsewhere in the world.

[ryerson.ca/fcad/rubix2019/lisa-taylor](http://ryerson.ca/fcad/rubix2019/lisa-taylor)



# MAPPING BLACK PERFORMANCE

Newspapers, Minstrelsy & Black Performance in Toronto

CHERYL THOMPSON  
with EMILIE JABOUIN

CREATIVE INDUSTRIES

By archiving and mapping newspaper editorials, songs, and images, Cheryl's SSHRC-funded research uncovers the hidden history of minstrelsy and black choral performance in Toronto's theatre scene.





# USER-CENTRED DESIGN

Using the Clothing  
Taskscape for Uniform  
Redevelopment

**SANDRA TULLIO-POW**

FASHION

Through the construction of clothing “taskscares,” Sandra’s project showcases how well-designed uniforms contribute to brand identity, as well as ensuring employee safety, comfort, and satisfaction.

[ryerson.ca/fcad/rubix2019/sandra-tullio-pow](http://ryerson.ca/fcad/rubix2019/sandra-tullio-pow)

# SPORT MEDIA & GLOBALIZATION

The Sport Project & Broadcast vs.  
Streamcast: Consumption  
Motivations

**LAUREL WALZAK & JOE RECUPERO**

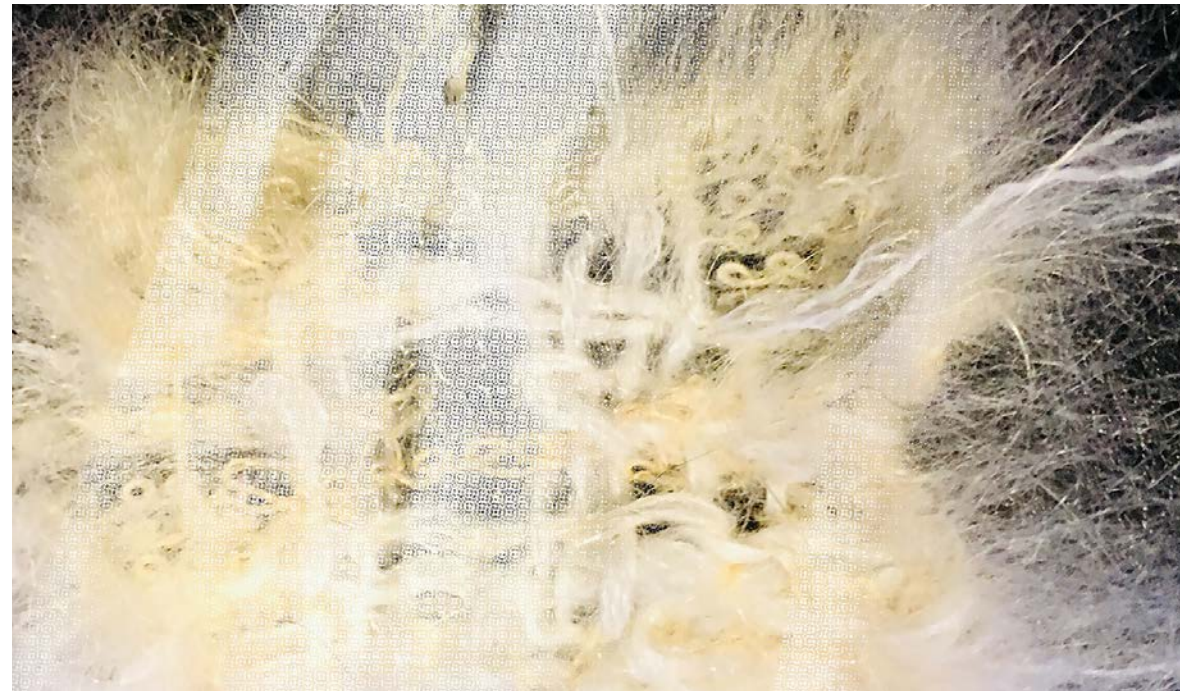
RTA SCHOOL OF MEDIA

For this year’s annual Sport & Society conference — hosted for the first time in Canada — Joe screened a documentary that explored themes of equity, diversity and inclusion in the Sport Media industry and Laurel presented a paper that cross-compared audience expectations and consumption motivations between broadcasting and streamcasting. Joe and Laurel were also co-chairs of this international conference, successfully bringing in over 200 professionals and scholars in the field of Sport Media to explore themes of globalization and sports media.

[ryerson.ca/fcad/rubix2019/laurel-walzak-joe-recupero](http://ryerson.ca/fcad/rubix2019/laurel-walzak-joe-recupero)







# IDOLIZED BODIES & RELIGION

John 3:30: "He must increase, but I must decrease."

**TANYA WHITE**

**FASHION**

Idolized Bodies & Religion explores society's worship of thin, skeletal bodies. Relating religious imagery and unhealthy physical ideals, she examines images of the medieval, crucified Christ and the heroin-chic supermodel using weaving, knitting, embroidery, and digital printing techniques.



# AUDIENCE ENGAGEMENT

Audience Lab

**FRAUKE ZELLER**

**AUDIENCE LAB**

The Audience Lab focuses on contemporary media consumption and user/audience experiences. The lab has published commissioned reports on a variety of topics, including the most-recently published Google report on Canadian creators and consumers on YouTube: Watchtime Canada 2019.

Researchers associated with the Audience Lab include: Frauke Zeller, Bob Clapperton, Charles Davis, Irene Berkowitz, Sahar Raza, Hanako Smith, and Tarek Al-Ward.

[ryerson.ca/fcad/rubix2019/audience-lab](http://ryerson.ca/fcad/rubix2019/audience-lab)

# ROBOTIC TECHNOLOGY IN HEALTHCARE COMMUNICATION

**Robotic Studies**

**FRAUKE ZELLER**

**with HERMENIO LIMA, ROSILENE LANZINI, DAVID HARRIS SMITH**

**LAUREN DWYER**

**PROFESSIONAL COMMUNICATION**

Using an interactive app and Pepper, Softbank's friendly social robot, Frauke and her team are uncovering new possibilities for the use of technology within healthcare communication. Their current project aims to teach people better habits around sunscreen use.

[ryerson.ca/fcad/rubix2019/frauke-zeller](http://ryerson.ca/fcad/rubix2019/frauke-zeller)





# FUTURE HERITAGE OF CHINATOWN

Chinatowns Everywhere:  
The Appearance of Erasure in  
Ethnocultural Heritage

**LINDA ZHANG**

with **AMY YAN** (RA), **JIMMY TRAN** (RU LIBRARY  
COLLABORATORY CONSULTANT), **GEORGIA BARRINGTON**  
(RA) & **AMANDA LIBERTY** (RA)

**INTERIOR DESIGN**

With the help of emergent digital technologies, this project looks at the intersection and negotiation between Canada's Chinese community and Canada's community at large through the site of Toronto's Chinatowns.



# ARCHITECTURAL HERITAGE

## The Erie Canal: The Story of Water

**LINDA ZHANG**

with **BIKO MANDELA GRAY** (COLLABORATORY),  
**JIMMY TRAN** (RU LIBRARY COLLABORATORY  
CONSULTANT), **GEORGIA BARRINGTON** (RA)  
& **AMANDA LIBERTY** (RA)

### INTERIOR DESIGN

This project uses cast clay vessels to explore the marginalized histories that made the Erie Canal possible, and the way peoples' lives are shaped by the movement of water. The vessels, formed from 3D scans and deformed by water collected from the Erie Canal, act as recording devices that capture the movement and force of the Canal's waters.

Photography: Jocelyn Reynolds

[ryerson.ca/fcad/rubix2019/linda-zhang-story-of-water](http://ryerson.ca/fcad/rubix2019/linda-zhang-story-of-water)



NOTE: This project is made possible with in-kind support from the RSID Fabrication Shop Ceramics Lab, as well as funding from the Ryerson FCAD Seed Grant, and the Decentralization Program, a regrant program of the New York State Council on the Arts with the support of Governor Andrew Cuomo and the New York State Legislature and administered by CNY Arts.



**FCAD's** scholarly, research and creative activities **push boundaries**, explore new ideas and **inspire creative** ways of thinking. **RUBIX** is a dynamic showcase that reflects the energy of FCAD's **innovative** and accomplished makers, creators, and **researchers**.

— STEVEN N. LISS

VICE-PRESIDENT, RESEARCH AND INNOVATION  
RYERSON UNIVERSITY



# LABS & CENTRES

at FCAD

## THE CATALYST

The Catalyst is the first large-scale space dedicated to scholarly, research and creative (SRC) activities on media, design, and creative industries. The Catalyst houses several SRC projects, labs, and centres under one roof, bringing together boundary-pushing minds from across the creative industries to explore, innovate, and impact the world we live in.

[ryerson.ca/the-catalyst](http://ryerson.ca/the-catalyst)

## THE CREATIVE INNOVATION STUDIO

The Creative Innovation Studio is home to four incubators serving the creative industries (the “Zones”), open studio space for collaboration and fabrication, a showcase for emerging talent and experiential design pop ups, and a digital hub devoted to 21st century international co-creation.

[ryerson.ca/the-studio-fcad](http://ryerson.ca/the-studio-fcad)

## CREATIVE TECHNOLOGY LAB

Creative Technology Lab is an advanced technology-based workshop that supports creative research, specialized curriculum, and entrepreneurship activities across all nine FCAD Schools and Ryerson Zones. Creative Technology Lab looks to disrupt and revolutionize the use of technology within the creative fields by leveraging digital fabrication, 3D printing, textile computing, AR/VR, robotics, and more.

[ryerson.ca/creative-technology-lab](http://ryerson.ca/creative-technology-lab)

### Audience Lab

Aims to understand contemporary media consumption and user/audience experiences in emerging areas of digital communication and human-computer interactions.  
[ryerson.ca/audiencelab](http://ryerson.ca/audiencelab)

### Centre for Communicating Knowledge

Reconceptualises knowledge mobilization as the ongoing development of active learning opportunities.  
[ryerson.ca/cck](http://ryerson.ca/cck)

### Centre for Fashion Diversity and Social Change

Explores fashion's power to foster diversity, equity and inclusion and lead social change through active research and creative approaches.  
[fashionsocialchange.com](http://fashionsocialchange.com)

### Centre for Free Expression

Undertakes education, research, and advocacy in relation to free expression and those rights for which freedom of expression is the foundation, such as freedom of the press, speech, association, assembly, and belief.  
[cfe.ryerson.ca](http://cfe.ryerson.ca)

### Colour Media Lab

Aims to sponsor student learning, public educational events, creative and scholarly research, and collaborations with academic and professional organizations around the world.  
[syntheticcolor@gmail.com](mailto:syntheticcolor@gmail.com)

### Creativity Everything Lab

Brings together high-impact researchers and projects pushing the boundaries of digital technology and creative exploration.  
[creativityeverything.ca](http://creativityeverything.ca)

### Documentary Media Research Centre

Develops new scholarship, research, and production methodologies in all forms of contemporary documentary practice.  
[imagearts.ryerson.ca/docmediacentre](http://imagearts.ryerson.ca/docmediacentre)

### FCAD Design Network

Promotes a critically-informed research agenda that fosters the integration of design tools, methods, and knowledge to advance humanities, social sciences, and creative research.

### Future of Live Entertainment Lab

Works with Cirque du Soleil on integrating technology into human performance, live audience analytics, and generating insights into the paradigms shaping live entertainment.  
[ryerson.ca/fole](http://ryerson.ca/fole)

### Global Communication Governance Lab

Supports academic research on key questions related to the structure and governance of communication industries.  
[cggl.ryersoncreative.ca](http://cggl.ryersoncreative.ca)

### Global Experiential Sport Lab

Takes a broad and inclusive approach to creativity, connecting ideas from a range of disciplines, and seeks to embrace a diverse range of creators and creative practices.  
[gxslab.com](http://gxslab.com)

### Infoscape Research Lab

Hosts research projects that focus on the cultural and political impact of digital code, particularly social media.  
[infoscapelab.ca](http://infoscapelab.ca)

### Media Innovation Research Lab

Conducts research on media product innovation.  
[c5davis@ryerson.ca](mailto:c5davis@ryerson.ca)

### Paradox Lab

Focuses on innovating creative products by applying artificially intelligent data science.  
[hossein@ryerson.ca](mailto:hossein@ryerson.ca)

### Print Media Research Centre

Works with industry partners to advance the areas of premedia, printing, and finishing on an international scale.  
[ryersonpmrc.com](http://ryersonpmrc.com)

### RC4

Brings together industry partners, researchers, and start-ups to develop and apply cloud and context-aware technologies to drive productivity and global competitiveness across sectors.

### Ryerson Journalism Research Centre

Examines changes and trends in journalism and investigates what they mean for society and the news business.  
[ryersonjournalism.ca](http://ryersonjournalism.ca)

### Saagajiwe

An incubator for Indigenous art, storytelling, and research creation, and a place to mentor Indigenous students and researchers.  
[cggl.ryersoncreative.ca](http://cggl.ryersoncreative.ca)

### Studio for Media Activism and Critical Thought

Works to blur the boundaries between media artmaking, activism, and theoretical/scholarly investigation in the areas of media studies, critical theory, cultural studies, activism, Aboriginal, critical race, feminist and queer studies, and social justice.  
[studioformediaactivism.com](http://studioformediaactivism.com)

### Synlab

A research playground where physical materials, analogue sensors, and digital media come together in novel ways to support creativity and expression.  
[mazalek@ryerson.ca](mailto:mazalek@ryerson.ca)

thinkers. creators. scholars.



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