DESIGNING for PEOPLE | *The University of British Columbia*

DFP Newsletter: September 2020

Directors' Check-In

The huge news for this edition is welcoming two DFP co-directors: **Ian Mitchell (CREATE)**, and **Liisa Holsti (Cluster);** Karon plans to continue as "co" in both roles for at least another year. These two have already been hard at work: Liisa co-developed a faculty cluster hire proposal in the spring, and Ian is reworking our CREATE service unit structure, as well as many other ramp-up tasks. Please join me in my incredible appreciation for this revitalization and energy, and stand by for a lot of exciting developments. *– Karon MacLean*

Liisa Holsti I am grateful for the opportunity to join as a DFP co-director. Being involved with this cluster connects me with people who have fresh, exciting new ways to think about HCI and design. I will bring to this role my "health" and "occupation" lenses and my experience solving challenging problems with interdisciplinary teams.

I would like to thank the members of the Seminar Steering Committee for all their work with me in producing a stellar line-up of speakers over the past 2.5 years. Now I want to support our collective efforts to develop a sustainable, world-class training and research unit.

As a relative newcomer to the **Ian Mitchell** design and human factors research community, I am delighted at the chance to embed myself in DFP and learn from the expert researchers and instructors whose contributions have fueled the impressive success of the cluster and CREATE.

I hope that my administrative experience can smooth the transition to Karon's well-deserved sabbatical, and would like to thank the members of the management and succession committees for their work guiding DFP to its current enviable position. On behalf of the new leadership committee, I encourage all to contact us should you have any questions or concerns.

Visit us online at dfp.ubc.ca

FEATURED NEWS:

RESOUNDING SUCCESS AT CHI2020 (P3)

UPDATE ON PRISMING LABS (P4)

NEW CREATE INSTRUCTORS (P6)

ONLINE DESIGN SHOWCASE SUCCESS (P6)

WELCOME COHORT 4 (P7)

CREATE Announcements

2020 DFP Design Showcase On May 19 and May 20 we held our Annual Design Showcase and Poster Session – for the first time online! More on P6.

New DFP CREATE Instructors: Heather O'Brien (iSchool, UBC) and Laura Ballay (Centre for Digital Media) will teach Fundamentals and Project, respectively. More on P6.

CREATE GEG Winners Congratulations to the winners of DFP's Graduate Entrance Grants! We are very excited to welcome Cohort 4 to our CREATE Grad Training Program.

COVID 19: Our team has been working hard to keep our DFP events running in light of COVID 19. Our staff are continuing to work remotely. We have successfully moved several DFP events, such as our DFP@UBC Seminar Series, Prisming Labs, and Design Showcase, online. DFP Fundamentals (CPSC 544) is currently being held online as well.

Cluster Announcements

Faculty of Science Cluster Hire: Liisa Holsti and Karon MacLean submitted a DFP proposal for a Faculty of Science Cluster Hire that focuses on designing for children with complex health care needs. More on P5.

DFP Cluster Retreat: This year we held our first online retreat on June 5 & June 12. Cluster leadership and sustainability were central topics. More on P5.

Leadership Succession Planning Committee Cluster Director Karon MacLean goes on sabbatical next year. The Leadership Succession Planning Committee was formed in Fall 2019, and has proposed a new org chart that evenly distributes the workload among several roles: 2 faculty Cluster co-leads, 1 faculty CREATE lead, and 1 staff CREATE Program Manager. More on P5.

Upcoming Events

Oct 07	Seminar: Juho Kim
Oct 28	*Prisming Lab*
Nov 18	Seminar: Karon MacLean
Nov 25	*Prisming Lab*
Dec 09	Seminar: Project Stimulus Update Leanne Currie, Alan Kingstone, Ian Mitchell, Karon MacLean

Recent Events

June 05	DFP Annual Retreat Part 1
June 10	#Strike4BlackLives (Seminar postponed)
June 12	DFP Annual Retreat Part 2
June 24	*Prisming Lab*
July 29	DFP EDI Workshop #1
Aug 26	DFP EDI Workshop #2
Sep 09	Seminar: Casey Fiesler

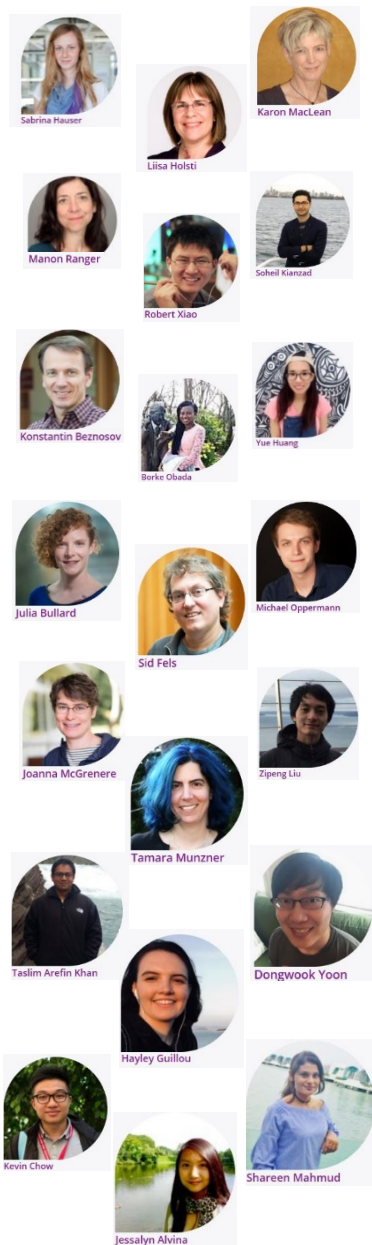View all events on our website

Team Highlights – CHI2020 Conference
DFP Faculty and CREATE Students Published

Congratulations to our DFP Faculty and CREATE students whose papers were published at CHI2020! Like many conferences, CHI2020 was cancelled due to COVID 19.

CHI papers are publications of original research in the field of Human Computer Interaction (HCI) and have a broad and worldwide impact on the development of HCI theory, method, and practice. Accepted manuscripts appear in the Proceedings of the ACM Conference on Human Factors in Computing Systems, and in the ACM Digital Library. This is a tremendous accomplishment as UBC sits as 15th out of 608 global institutions for most publications at CHI2020! Here is the list of accepted DFP associated papers:

Best Paper Award – top 1% Designing and Evaluating Calmer, a Device for Simulating Maternal Skin-to-Skin Holding for Premature Infants – **Sabrina Hauser**, Melinda J. Suto, **Liisa Holsti**, **Manon Ranger**, **Karon E. MacLean**

Honorable Mention – top 5% Phasking on Paper: Accessing a Continuum of PHysically Assisted SKetchING – **Soheil Kianzad**, Yuxiang Huang, **Robert Xiao**, **Karon E. MacLean**

Honorable Mention – top 5% Amazon vs. My Brother: How Users of Shared Smart Speakers Perceive and Cope with Privacy Risks - **Yue Huang**, **Borke Obada-Obieh**, **Konstantin Beznosov**

Capturing Experts' Mental Models to Organize a Collection of Haptic Devices: Affordances Outweigh Attributes - Hasti Seifi, **Michael Oppermann**, **Julia Bullard**, **Karon E. MacLean**, Katherine J. Kuchenbecker

Closer Object Looks Smaller: Investigating the Duality of Size Perception in a Spherical Fish tank VR Display - Qian Zhou, Fan Wu, **Sidney Fels**, Ian Stavness

Creating Augmented and Virtual Reality Applications: Current Practices, Challenges, and Opportunities - Narges Ashtari, Andrea Bunt, **Joanna McGrenere**, Michael Nebeling, Parmit K. Chilana

Data-driven Multi-level Segmentation of Image Editing Logs - **Zipeng Liu**, Zhicheng Liu, **Tamara Munzner**

Designing an Eyes-Reduced Document Skimming App for Situational Impairments – **Taslim Arefin Khan**, **Dongwook Yoon**, **Joanna McGrenere**

Gripmarks: Using Hand Grips to Transform In-Hand Objects into Mixed Reality Input – Qian Zhou, Sarah Sykes, **Sidney Fels**, Kenrick Kin

Is Your Time Well Spent? Reflecting on Knowledge Work More Holistically – **Hayley Guillou**, **Kevin Chow**, Thomas Fritz, **Joanna McGrenere**

Learning Through Exploration: How Children, Adults, and Older Adults Interact with a New Feature-Rich Application – **Shareen Mahmud**, **Jessalyn Alvina**, Parmit K. Chilana, Andrea Bunt, **Joanna McGrenere**

Read them here: Proceedings of the ACM Conference on Human Factors in Computing Systems

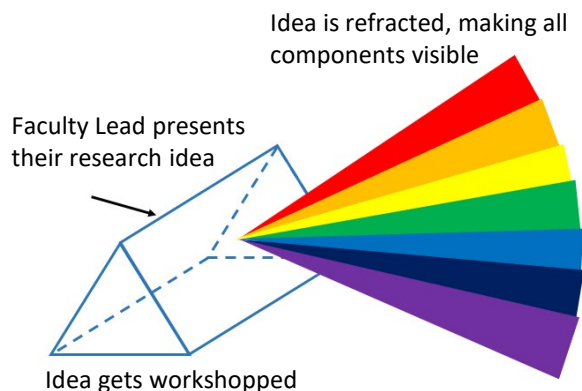# Main 2019/2020 Initiative: Prisming Labs

Our Prisming Labs have continued online during COVID-19

The DFP Prisming Labs are a new initiative designed to unlock our multidisciplinary collaborative potential by applying unique research lenses to complex problems. We have held 4 labs, with more planned for the Fall.

With the help of facilitator Linda Peritz, our team (the co-leads on our last GCRC grant) is designing the methodology for having these deeply interdisciplinary discussions. We are learning that the most engaging and successful labs require a well-defined question, which often comes with significant reflection prior to the lab. With each iteration we get closer to this "secret sauce" – we look forward to sharing our journey with the community!

Each lab requires a volunteer faculty lead. Below are the first lab leads of 2020:

- Jan 22: Karon & Liisa
  Topic: Calmer Responsiveness
- Feb 26: Kosta
  Topic: Smartphone Privacy
- May 27: Joanna
  Topic: Time Well-Spent & Productivity
- June 24: Leanne
  Topic: Complex Clinical Decisions

Idea is refracted, making all components visible

Faculty Lead presents their research idea

Idea gets workshopped

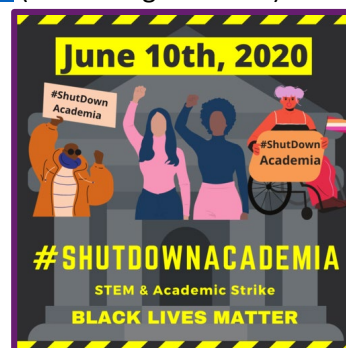# DFP's Commitment to Ethics, Diversity, and Inclusion

DFP is committed to educating ourselves about issues of racism, sexism, ableism, and other types of injustice and inequality. On June 10th, DFP cancelled our seminar (to be rescheduled in the Fall) in order to participate in #Strike4BlackLives. We started a g-doc with links to relevant resources, and invited the DFP community to add their thoughts and ideas to it. One participant asked why we don't have land acknowledgments at our events: good question, and thank you for raising it. We made sure our next event included a land acknowledgement, and that our future events will as well.

To continue the discussion, we hired Robert Daum and Elodie Jacquet (SFU Dialogue Centre) to facilitate two EDI workshops for our DFP community over the the summer:

Workshop 1 (July 19): We gained a foundational understanding of EDI and learn how to engage in critical discussions.
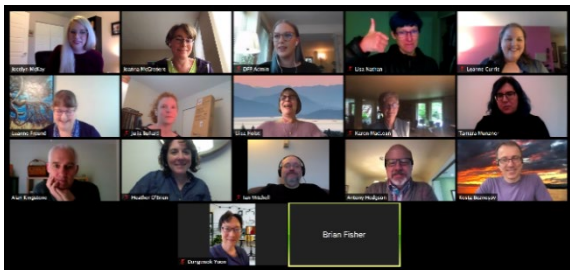
Workshop 2 (Aug 26): We turned the discussion inward and worked to develop concrete strategies for implementing positive change at DFP.

We are committed to continuing this work. If you would like to join future discussions, or have ideas you want to share, please contact us! dfp-facilitator@dfp.ubc.ca

June 10th, 2020

#ShutDown Academia

#ShutDown Academia

#SHUTDOWNACADEMIA

STEM & Academic Strike

BLACK LIVES MATTER

2020 DFP Cluster Retreat

This year we held our Annual Retreat in two parts (June 5 and June 12). The central theme of discussion was Cluster leadership and sustainability. DFP is moving forward with a restructured leadership in order to better distribute the workload. We will also continue to investigate the possibility of turning DFP into a UBC institute.

Thank you to our Leadership Succession Committee for planning and leading the Retreat!

Leadership Succession Planning Committee

Our Leadership Succession Planning Committee (LSPC) was formed in Fall 2019, shortly after the submission of DFP's GCRC proposal. The purpose of the committee is to help plan for the future of DFP by identifying pathways to sustainability. DFP's ongoing challenge is the effort that is required to run a successful and innovative Research Cluster. That effort has historically been managed by the Cluster Director as a volunteer position. After several meetings, the LSPC came up with a revised leadership structure that divides the work currently done by one Director among several leadership roles. Part of this revision includes a Cluster Co-Director. Through the LSPC meetings and the Cluster Retreat, Liisa Holsti has been selected to fill this role.

DFP Submits Cluster Hire Proposal

Family-Centered Design for Children with Complex Care Needs

We are incredibly proud of our team for their enormous work on the DFP proposal for a Faculty of Science Cluster Hire. This effort was lead by Karon MacLean and Liisa Holsti, with the help of Jocelyn as facilitator, and the combined effort of dozens of faculty and partners.

The purpose of the Faculty of Science Cluster hire is to facilitate the formation of a diverse group of newly hired researchers who will tackle large societal problems that a single department of researchers alone could not. The leadership at DFP saw this as an excellent opportunity to both grow our network and move towards an institute model that has long-term sustainability. Our proposal focused on one spoke in our 'hub and spokes' model: health. Through tremendous effort and communication, our team secured the commitment of 3 UBC departments and 1 school, (CS, OSOT, Family Practice, Pediatrics, Nursing) spanning 3 faculties (Science, Medicine, Applied Science), to hire strategic researchers into our Cluster. The focus of the proposal was on children with complex health care needs.

The proposal was shortlisted to the final 5. The Biodiversity proposal was ultimately selected, but we have been encouraged by the Faculty of Science to submit again next year.

2020 Design Showcase

DFP's 3rd Annual Design Showcase: Hosted online for the 1st time!

This year we held our first ever online Design Showcase – and it was our highest attended Showcase with 68 total people in attendance!

On Tues May 19 we held an Asynchronous Gallery of student projects, hosted on a website designed by students Natalya Lebedeva and Borke Obada. The live portion of the Showcase was held on Wed May 20, and included a live poster and demo session and a talk given by keynote speaker Vanessa Murdock (Applied Science Manager, Amazon). A special thanks to DFP faculty Eric Meyers for hosting the event in its first ever online format!

We are incredibly proud of our students for their creativity and adaptability as they each found ways to present their work in this new online format. And congratulations to all of our prize winners!

Cohort 3 Team Projects

LlamaZoo
Enhancing Communication & Facilitation of VR
Ege Unlu (CS)
Anna Lin (iSchool)
Mint Tanprasert (CS)
Oliver Jacobs (Psych)

OceanCanada
Bridging the Knowledge Ocean
Rodrigo Jose dos Santos (iSchool)
Marina Botnaru (iSchool)
Delun Chun (Mech)
Francis Nguyen (CS)

Microsoft Research
Designing for Getting "Unstuck"
Rebecca Kenny (Medicine)
Zakir Suleman (iSchool)
Kevin Chow (CS)
Azadeh Mokhberi (ECE)

BC Centre for Disease Control
Redesigning an Online STI Risk Calculator
Sang-Wha Sien (CS)
Frances Sin (CS)
Winnie Li (iSchool)
Thalia Otamendi (Medicine)

> Thank you to all of our project partners, and to BCCDC, UBC MECH, and DFP for sponsoring this year's Design Showcase.
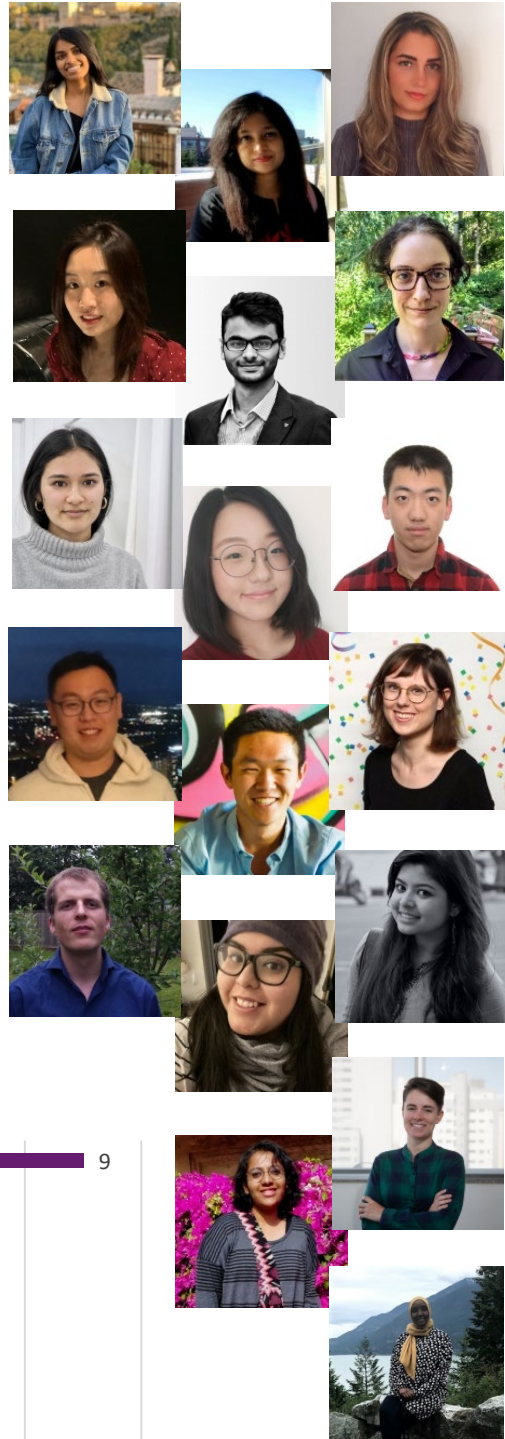
DFP CREATE Instructional Team

We are thrilled to announce our newest additions to the CREATE instructional team. Heather O'Brien (iSchool, UBC) will be teaching DFP's Fundamentals course (CPSC 544) this Fall. Heather is a core DFP faculty member, and has supervised several DFP students.
Laura Ballay (Centre for Digital Media SFU) will be teaching DFP's Project course (CPSC 554K) in Winter Term 2. Previous instructors Joanna McGrenere and Dongwook Yoon will be helping Heather and Laura transition into their roles.

Welcome to DFP, Cohort 4!

Abi Kuganesan, MSc, Computer Science
Anika Sayara, MSc, Computer Science
Atieh Razavi Yekta, PhD, Rehab. Sciences
Chelsea Palmer, MLIS, iSchool
Eleanor Ren, MLIS, iSchool
Devarsh Bhonde, PhD, Civil Engineering
Hannah Elbaggari, MSc, Computer Science
Haomiao Zhang, MSc, Mech. Engineering
Jane Jun, MLIS, iSchool
Jessica Wilkin, MLIS, iSchool
Michael Yin, MSc, Computer Science
Jin Wen, PhD, Psychology
Kattie Sepehri, MSc, Computer Science
Katra Farah, M.Ed, Education
Kim Correa, MLIS, iSchool
Oloff Biermann, MSc, Computer Science
Preeti Vyas, PhD, Computer Science
Rubia Reis Guerra, MSc, Computer Science
Unma Desai, MSc, Computer Science
Marie Christy, MSc, Graduate & Postdoctoral Studies

2020 Department Representation

Department	Count
Computer Science	9
iSchool	5
Mechanical Engineering	1
Rehabilitation Sciences	1
Psychology	1
Education	1
Interdisciplinary	1
Civil Engineering	1