



UNIVERSITY OF  
**WATERLOO**

**IQC**

Institute for  
Quantum  
Computing

# BRAND GUIDELINES

MAY 2021



MIKE & OPHELIA LAZARIDIS  
QUANTUM-NANO CENTRE  
**Building for the Future**



## TABLE OF CONTENTS

	<b>CONTEXT</b>	24	Boilerplate Text
04	Introduction	25	Taglines
05	Brand Attributes		<b>PHOTOGRAPHY</b>
	<b>LOGO</b>	27	Photography Style
07	Primary logo	28	Overlays and Photography Crops
09	Secondary Logo		<b>VISUAL SYSTEM</b>
10	Clear Space and Minimum Sizes	30	Visual System Introduction
11	Proper Use of logos	31	Modular Elements
12	Government Logos	32	Patterns
13	School and Conference Wordmarks	33	Patterns Within Modular Elements
14	Seminar & Colloquium Wordmarks	34	Proper Use of the Visual System
	<b>COLOUR</b>	35	Contact Sheet of all Modular Elements
16	Colour Palette	36	Additional Patterns
17	Primary Colours		<b>BRANDED MATERIALS</b>
18	Secondary Colours	38	Brochures
19	Tertiary Colours	39	Impact Report
	<b>TYPOGRAPHY</b>	40	Presentation Decks
21	Primary Type Hierarchy	41	Zap banners
22	Alternative Type Hierarchy	42	Name Tags
23	Writing Style	43	Newsletter Template



*Section 01*

# CONTEXT

Research at the Institute for Quantum Computing (IQC) is fundamentally interdisciplinary, spanning theory and experiment to pursue every avenue of quantum information science. IQC fosters collaborations across the sciences and across borders. In IQC's laboratories, researchers explore quantum information, and theorists explore the deepest questions of the field. IQC is a world-class research institute. To showcase this through our communications, they must be consistent in their look and feel, while keeping up with the current research developments. The following standards ensure consistent representation of our brand identity across all platforms and for all audiences.

Since its inception in 2002, the Institute for Quantum Computing has evolved into a world-class institution producing leading research. As a part of the University of Waterloo, there is a natural association with innovation and entrepreneurship. In addition, we are helping to develop the identity of Waterloo Region as a leading authority in quantum research with IQC at its heart.

**SO, WHO IS IQC?**





## WORLD-CLASS

*Set and surpass international standards*

IQC continues to lead the quantum revolution. The discoveries will drive the revolutionary technologies of tomorrow.

## PROUD

*Highlight the significance of the research and work*

The potential benefits of quantum science to society are revolutionary compared to current technologies and researchers at IQC are making them a reality.

## AUTHORITATIVE

*A reliable source of insight, analysis and commentary*

Information coming from IQC is always true to the science. It should be based exclusively in fact with limited illustration.

## CURIOUS

*Eager to ask questions and develop new ideas*

IQC's community is constantly questioning assumptions and pushing boundaries, driven by the desire to understand and improve our world.

## CUTTING-EDGE

*At the forefront of quantum research and application*

State-of-the-art facilities enable researchers at IQC to continue to lead the quantum revolution and build a new industry.

## APPROACHABLE

*We help the world make sense of quantum*

IQC contextualizes quantum in a friendly and meaningful way, inviting our audiences to explore the quantum world.



*Section 02*

# LOGO



PRIMARY LOGO / FULL COLOUR

The primary version includes the IQC logo paired with the University of Waterloo logo, and should be used whenever possible.



REVERSE





PRIMARY LOGO / BLACK & WHITE

For publications or production that do not allow for full colour this black and white version should be used.



REVERSE



## SECONDARY LOGO

The only circumstances in which the IQC logo can be used alone are:

- The full signature cannot fit on the material such as a sidebar on a website.
- The University logo is on another part of the publication such as on the website where the University of Waterloo logo is already in the footer.



## REVERSE



## CLEAR SPACE

Placing other elements too close to the logo diminishes its impact and importance on the page. A clear zone of “I” (equaling the height of the I in the IQC logo) around all sides of the logo will allow enough space for the logo to stand out.



## MINIMUM SIZES

To preserve legibility in both digital and print formats, logos should never be smaller than the sizes specified on this page.



162px or 2.25"



72px or 1"



## PROPER USE OF LOGO

- ✓ The value of the primary logo is maximized when it appears in front of a solid background, or on a photo with low-detail, or the simple part of a photo (like a clear blue sky). Use a colour overlay (like 55% black) over top of more complex photography for higher contrast.



## IMPROPER USE OF LOGO

- ✗ Do not delete any portion of any logo.
- ✗ Do not change or alter the colours.
- ✗ Do not reorder or rotate the logo.
- ✗ Do not distort the proportions.
- ✗ Do not combine it with any non-approved elements.
- ✗ Do not use the black or greyscale logo on a dark background.
- ✗ Do not place the logo on a distracting background.
- ✗ Do not use an outdated version of any logo.



## GOVERNMENT LOGOS

In many cases, provincial and federal government logos should also appear with the IQC and University of Waterloo logos. These include any publications, as well as all external marketing or informational materials.



On a publication 8.5 x 11 or larger, placement of the logos should be as follows: full IQC and University of Waterloo signature, Government of Ontario logo, and the Government of Canada logo to the far right.



On smaller documents, the logos should not appear in a line, as there is not enough space to allow the logos to appear at a readable size. The ordering should maintain the IQC full signature in the most prominent position (above the others).



## SCHOOL & CONFERENCE WORDMARKS

Each school run by IQC has its own wordmark to be used on any communications directly related to it. The newest wordmarks were created to more strongly associate the schools with IQC. They use the same colours and the same emphasis on the stylized “Q” as the IQC logo.



**Quantum Cryptography**  
School for Young Students



**Quantum Key Distribution**  
Summer School



**Quantum**  
Innovators



**Undergraduate School**  
on **Experimental Quantum**  
Information Processing



↑  
L  
↓ **Quantum Cryptography**  
School for Young Students

**Quantum Key Distribution**  
Summer School

The required amount of spacing for the school logos is a clear zone of “L” (equaling the height of two lines of text in the logo, including the spaces above and between them). The appropriate clear zone allows the logo to stand out in the layout.



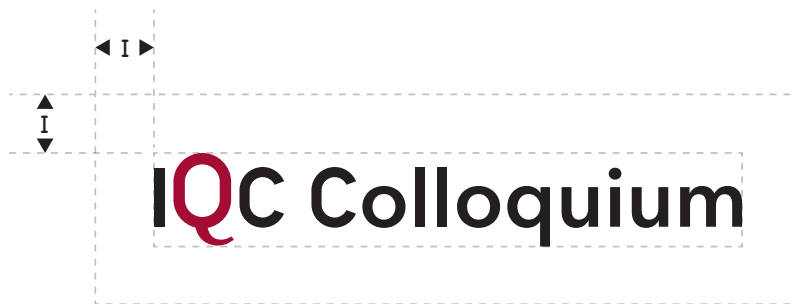
## SEMINAR & COLLOQUIUM WORDMARKS

IQC Seminars and Colloquiums have their own wordmark to be used on any communications directly related to it.

**IQC Colloquium**

**IQC Seminar**

**IQC Special Seminar**



The required amount of spacing for the seminar and colloquium logos is a clear zone of “I” (equaling the height of the I in the IQC logo) around all sides of the logos. The appropriate clear zone allows the logos to stand out in the layout.

*Section 03*

# COLOUR

## COLOUR PALETTE

### *Primary*



#### MAIN RED

Used in Logo, Subheads, and other supporting design elements



#### BRIGHT RED

Used in solid geometric design elements to liven layouts



#### IQC GRADIENT

Vivid red to Main Red, used in supporting design elements

### *Secondary*



#### MAIN BLUE

Used in solid geometric design elements to liven layouts.



#### BRIGHT BLUE

Used for Callout boxes, Call stats and CTA messages



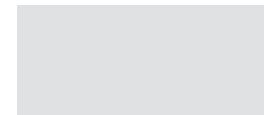
#### BLACK

Used for Headlines and Bodycopy



#### GREY

Used for Subheads, Pagination and Footnotes



#### SUBTLE GREY

Used for Subtle Background Patterns

### *Tertiary*



#### DEEP RED

For watermark + patterns on IQC Red (like in IR)



#### VIVID RED

Only used in brightest part of new gradient



#### DEEP BLUE




Used as an overlay on top of images to allow overlapping text to pop



#### HOLOGRAPHIC

Treatment for special print pieces





PRIMARY COLOURS

	CMYK	RGB	Hex	Pantone
	7 / 100 / 67 / 31	164 / 12 / 52	#A40C34	7427 C
	2 / 100 / 82 / 0	232 / 28 / 57	#E81C39	185 C
	————— Gradient from vivid red to main red —————			

## SECONDARY COLOURS

	CMYK	RGB	Hex	Pantone
	72 / 15 / 0 / 56	0 / 93 / 126	#005D7E	7700 C
	87 / 19 / 9 / 0	0 / 155 / 204	#009BCC	639 C
	0 / 0 / 0 / 100	0 / 0 / 0	#000000	Neutral Black C
	0 / 0 / 0 / 44	159 / 161 / 164	#9FA1A4	422 C
	0 / 0 / 0 / 13	224 / 225 / 226	#E0E1E2	Cool Gray 1 C

## TERTIARY COLOURS

	CMYK	RGB	Hex	Pantone
	27 / 100 / 75 / 30	141 / 22 / 49	#8D1631	202 C
	0 / 100 / 70 / 0	237 / 24 / 70	#ED1846	192 C
	96 / 78 / 48 / 60	4 / 33 / 55	#042137	539 C
				Holographic foil

*Section 04*

# TYPOGRAPHY



## PRIMARY TYPE HIERARCHY

As a part of the University of Waterloo, we use a similar typographic style. This presents a cohesive appearance and highlights the relationship between IQC and Waterloo. The fonts on this page are the primary fonts and should be used whenever possible.

### TYP 1451 LL MEDIUM

#### Secondary Titles

All Caps + Tracking 50

### BUREAU GROT CONDENSED

#### Headlines

All Caps

### LE MONDE LIVRE STD ITALIC

#### Subheadlines

Sentence Case

### LE MONDE LIVRE REGULAR

#### Body Copy

Sentence Case

## SECONDARY TITLES

# HEADLINES

*Subhead. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna.*

Body copy. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim adidu minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

## ALTERNATIVE TYPE HIERARCHY

In certain situations, the primary fonts may not be available, in which case these fonts can be used for day-to-day copy creation.

### VERDANA REGULAR

#### Secondary Titles

All Caps + Tracking 50

### SECONDARY TITLES

### BARLOW CONDENSED

#### Headlines

All Caps

## HEADLINES

\*Requires downloading from:  
[fonts.google.com/specimen/Barlow+Condensed](https://fonts.google.com/specimen/Barlow+Condensed)

### IMPACT

#### Headlines

All Caps

## HEADLINES

\*This is a system default font, and only to be used when Bureau Grot Condensed and Barlow Condensed are not an option.

### GEORGIA ITALIC

#### Subheadlines

Sentence Case

*Subhead. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna.*

### GEORGIA REGULAR

#### Body Copy

Sentence Case

Body copy. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim adidu minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

## WRITING STYLE

Our communications connect the world to what IQC is doing. They need to be factual, consistent, and strive for a distinctive voice that reflects the identity of IQC.

**LOOKING BACK AT THE ATTRIBUTES, HOW DO THEY RELATE TO THE WAY IQC COMMUNICATES?**

Too much information, too many words and too long a speech can confuse the purpose and point of the communication. It is important to identify:

1. The purpose of this communication
2. Who the audience is
3. How the point can be communicated in as few words as possible

## WORLD-CLASS

*Set and surpass international standards*

World-class means never over-simplifying the science. Articulate it in a clear, accessible way. Analogies are effective ways to communicate complex ideas. Avoid clichés, jargon and dreamlike descriptions.

## PROUD

*Highlight the significance of the research and work*

Pride does not mean arrogance. It suggests confidence and acknowledgement of achievement. Avoid excessive adjectives, hyperbole and lofty exaggeration.

## AUTHORITATIVE

*A reliable source of insight, analysis and commentary*

Telling a research story that is factual and accurate is how IQC became an authoritative source on quantum information science. Technical terms are explained and quotes allow the science to speak for itself.

## CURIOUS

*Eager to ask questions and develop new ideas*

Conveying curiosity means discussing questions that have not yet been answered and the progress of ongoing research and projects.

## CUTTING-EDGE

*At the forefront of quantum research and application*

Cutting - edge language is active, never passive. Clear and concise writing that uses strong verbs and avoids ponderous nouns is ideal.

## APPROACHABLE

*We help the world make sense of quantum*

IQC contextualizes quantum in a friendly and meaningful way, inviting our audiences to explore the quantum world.

## BOILERPLATE TEXT

These descriptions of IQC are intended for reuse in different situations with few changes to the original.

### *50+ Words*

#### **OPTION 1**

##### **60 Words**

The Institute for Quantum Computing (IQC) is a world-leading quantum institute at the University of Waterloo. Its mission is to develop and advance quantum information science and technology at the highest international level through interdisciplinary collaboration. The research happening at IQC harnesses the quantum laws of nature to develop transformational technologies that will benefit society and drive future economies.

#### **OPTION 2**

##### **50 Words**

The Institute for Quantum Computing (IQC) is a world-leading quantum institute at the University of Waterloo. Founded in 2002 in Waterloo, Ontario, Canada, the world-class research happening at IQC harnesses the quantum laws of nature to develop transformational technologies that will benefit society and drive future economies.

---

### *100+ Words*

#### **OPTION 1**

##### **107 Words**

The Institute for Quantum Computing (IQC) is a world-leading quantum institute at the University of Waterloo. Founded in 2002, the research at IQC harnesses the quantum laws of nature to develop transformational technologies that will benefit society and drive future economies. Advancements in quantum computation, communication, sensors and materials are happening at the highest international level through the collaboration of computer scientists, engineers, mathematicians and physical scientists. IQC also provides training and outreach opportunities to foster scientific curiosity and discovery among students, teachers and the community, connecting global audiences with the science and research at the forefront of the quantum information revolution.

#### **OPTION 2**

##### **118 Words**

The Institute for Quantum Computing (IQC) is a world-class research centre in quantum information science and technology at the University of Waterloo. Sparked by the vision of Mike Lazaridis to foster pioneering research into the next technology revolution, its mission is to develop and advance quantum information science and technology through interdisciplinary collaboration at the highest international level. The world's top experimentalists and theorists are making powerful new advances at IQC in fields spanning quantum computing, communications, sensors and materials. IQC also provides training and outreach opportunities to foster scientific curiosity and discovery among students, teachers and the community. IQC was founded in 2002, in partnership with the University of Waterloo, the private sector, and federal and provincial governments.

## TAGLINES

IQC tends to use quotes and testimonials more frequently than tag lines to allow for the science and reputation to speak for themselves, but there are a few taglines that can be used in some situations.

### WELCOME TO THE QUANTUM AGE.

This tagline emphasizes the way that research in quantum is starting to change the world. With IQC at the heart of Quantum Valley, we're leading that change.

### HARNESSING THE QUANTUM WORLD.

This is part of the vision of IQC. 'Harnessing' reflects the potential applications of the cutting-edge quantum research that is happening at IQC.

### WELCOME TO THE QUANTUM REVOLUTION.

Quantum applications are bringing our society into the next major revolution, the quantum revolution. This tagline points to the applications and new technologies that are emerging.

### THE QUANTUM REVOLUTION STARTS HERE.

To tie in with the University of Waterloo's once-used tagline "Ideas start here" this tagline is used for ads where it makes sense to tie the content in with the identity of Waterloo.



10100011011001  
110101101101101  
01011000101101  
10100011011001  
011001010001110100101000110100  
111011010110110110110101011011  
10101100010111010101100010  
10100011011001

*Section 05*

# PHOTOGRAPHY

## PHOTOGRAPHY STYLE

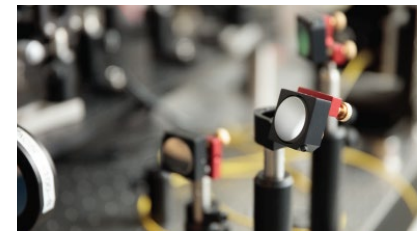
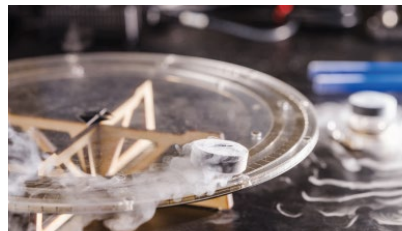
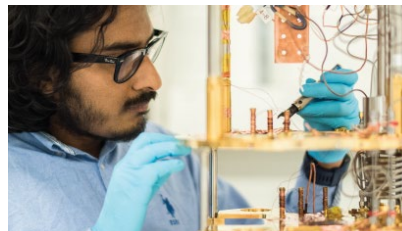
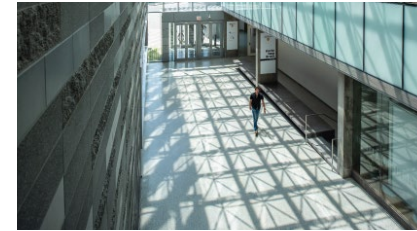
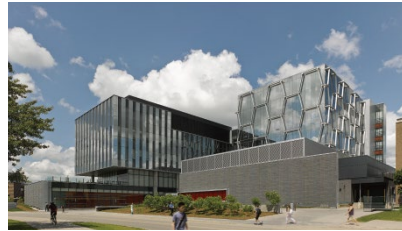
Photography is a core part of our brand identity. The images you choose should reflect the energy that drives IQC.

### THE PHOTOGRAPHY SHOULD BE:

- ✓ Professional (in-focus, sharp and high resolution)
- ✓ Attention grabbing
- ✓ Well lit, using natural lighting as much as possible
- ✓ Genuine, welcoming and friendly
- ✓ Realistic

### THE PHOTOGRAPHY SHOULD INCLUDE A MIX OF:

- ✓ Exterior & interior architecture shots
- ✓ Staged portraits of people  
(only when highlighting a specific individuals research or work)
- ✓ Candid shots of people working
- ✓ Product / machinery shots

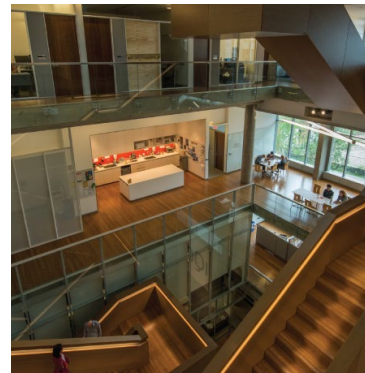
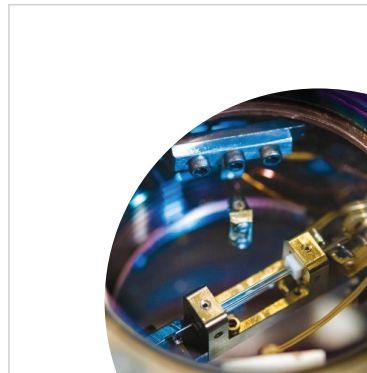
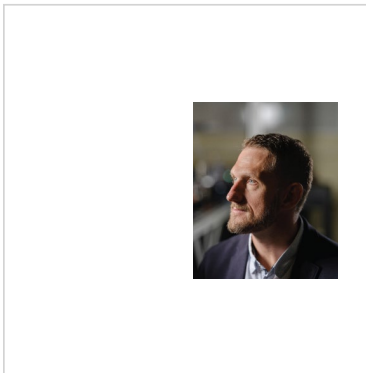
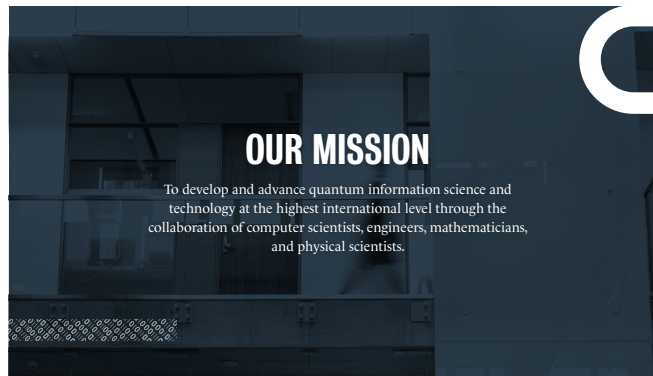


- ✗ Overall, we want to steer clear of stock photography. "Unsplash" is a strong online resource for high-resolution photos that don't have the stock photo vibe.
- ✗ Also avoid mobile photography when possible (this may change in the near future).



## OVERLAYS

Dark blue overlays are used on top of photographs to generate contrast and visibility between body copy and visuals. This treatment should be used only to showcase stats, or to highlight a core idea.



## PHOTOGRAPHY CROPS

Our photography only uses three kinds of crops:

- Square/rectangular
- Perfect circle, often bleeding off the edge
- Full-bleed

*Section 06*

# VISUAL SYSTEM

## VISUAL SYSTEM INTRODUCTION

The IQC visual system is inspired by the concept of Quantum Superposition. Our materials feel like they are both the same and different at the same time. This kind of flux is a uniquely Quantum quality that shines through all of our materials.

By using our modular elements and following a few simple rules, we can build branded assets that feel both unique and familiar.

### OUR VISUAL SYSTEM USES TWO CORE LEVELS



#### MODULAR ELEMENTS

Example of the different modular elements.



#### COMPOSITIONS

Example of the the type of composition used with the modular elements and patterns.

## MODULAR ELEMENTS

Single geometric shapes based on shapes of the 'Q' in the IQC logo that can be mixed and matched to add visual interest to any layout. The range of shapes ensure multiple layouts are not repeatedly using the same elements.



### THE Q

Reserved for use on materials that represent the entire organization. Formal brand pieces like the website, letterhead, newsletter from IQC or pull-up banners.



### SHAPES BASED ON THE Q

These shapes represent the essence of the IQC Q. They can be used for supporting initiatives like programs, events, etc.

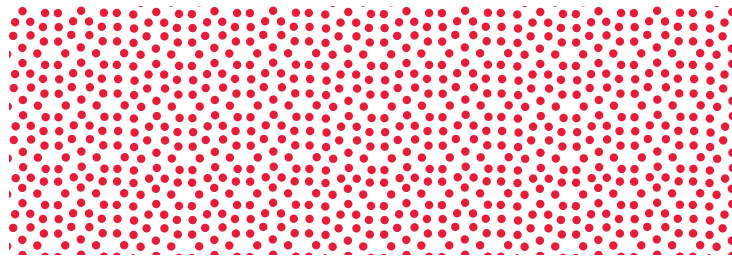
## PATTERNS

These patterns are only to be used within the modular elements. These patterns can be used in 3 colour options: Bright red, Light gray or white (on main red).

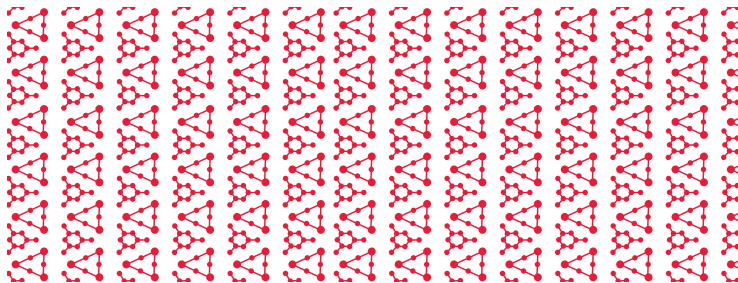
The binary pattern represents the quantum superposition of qubits. The other patterns are based on actual atomic structures from STM scans of various materials, the closest visualization we can achieve of the quantum world.



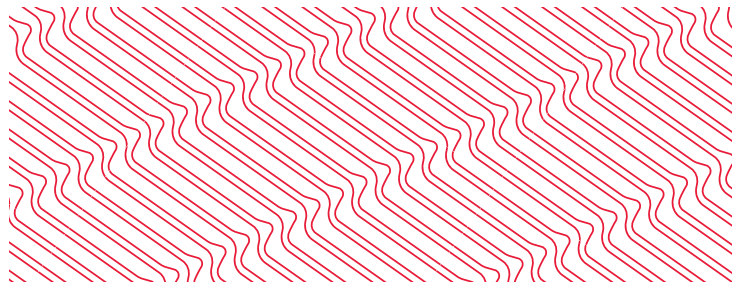
BINARY PATTERN



STM PATTERN 1



STM PATTERN 2

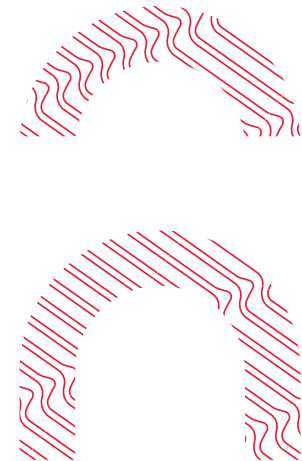
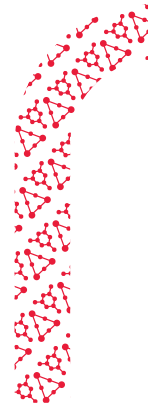
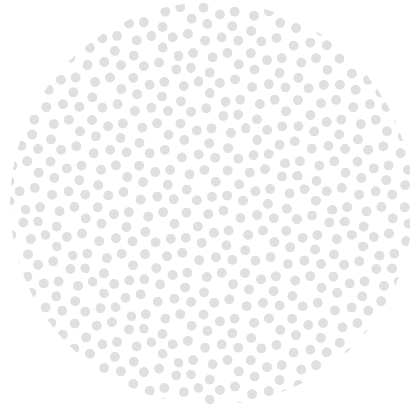
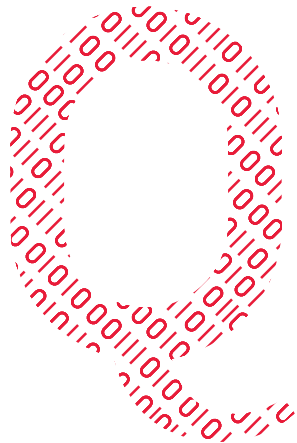


STM PATTERN 3

## PATTERNS WITHIN MODULAR ELEMENTS

The ability to fill the geometric shapes with thoughtfully designed patterns adds another level of flexibility and visual interest across all of IQC's brand materials.

Below are a few examples of patterns applied to modular elements.



✗ If the patterns are scaled down to small, the pattern becomes lost

✗ If the pattern is too large you lose definition of the modular shape

✓ See the contact sheet on pg.35 for examples of scale

## PROPER USE OF THE VISUAL SYSTEM

Using the geometric shapes with the appropriate patterns is a great way to add visual interest to a layout, but adding too many can easily make a layout feel very heavy with elements.

### HERE ARE A FEW RULES TO ENSURE LAYOUTS STILL FEEL OPEN AND LIGHT:

- ✓ One patterned shape
- ✓ One faded gray patterned shape
- ✓ One gradient shape
- ✓ One simple cropped photo
- ✓ No red pattern on gray
- ✓ Max three elements on a module

- ✗ Do not use complex patterns over busy photography
- ✗ Do not change the size of the geometric elements within the same piece

### OTHER EXAMPLES:

The branded materials section of this brand guide contain examples of best practices when utilizing our visual system.





CONTACT SHEET OF ALL MODULAR ELEMENTS

Q r r n y l o o i

Q r r n y l o o i

Q r r n y l o o i

Q r r n y l o o i

Q r r n y l o o i

Q r r n y l o o i

Q r r n y l o o i

Q r r n y l o o i

Q r r n y l o o i

Q r r n y l o o i

Q r r n y l o o i

Q r r n y l o o i

Q r r n y l o o i

## ADDITIONAL PATTERNS

The IQC Wave pattern is a visual representation of the wave nature held by all quantum objects, when observed in the correct way. This pattern is the only one not used within the modular elements.

### WHITE WAVE (WITH SHADOW)

Used sparingly in situations with minimal overlapping elements (ex. zap banners)

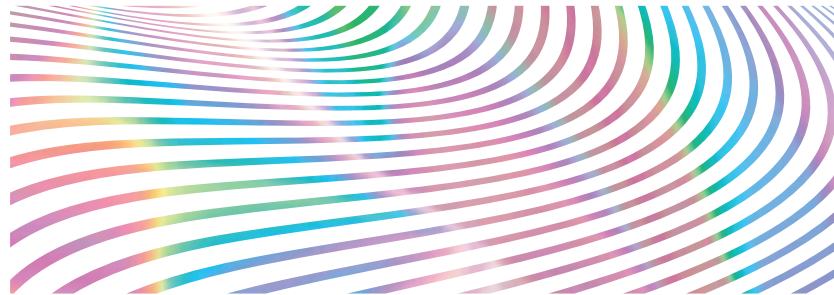


### USAGE:

Like the Q, reserve for use on materials representing the entire organization.

### HOLOGRAPHIC WAVE

Used for special print pieces



### DARK RED WAVE

A square cropping of this is to be used as a background element on breaker pages / slides in a unique cropping and placement on each breaker page / slide



*Section 07*

# **BRANDED MATERIALS**

“AN AMAZING, ENRICHING, EYE-OPENING EXPERIENCE THAT HAS OPENED UP A WHOLE NEW WORLD OF POSSIBILITIES.”

**QCSYS PARTICIPANT**

**QCSYS**  
Quantum Cryptography School for Young Students


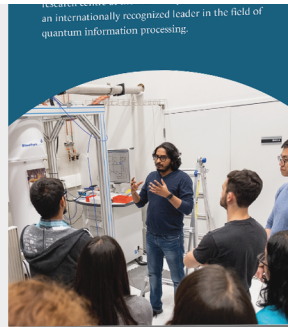
**QCSYS**  
Quantum Cryptography School for Young Students

**UNIVERSITY OF WATERLOO | IQC** Institute for Quantum Computing

**Institute for Quantum Computing**  
200 University Avenue West  
Waterloo, Ontario, Canada N2L 3G1  
Phone: 1.519.888.4567 ext. 38936  
Email: [iqc.qcsys@uwaterloo.ca](mailto:iqc.qcsys@uwaterloo.ca)

[uwaterloo.ca/iqc/qcsys](http://uwaterloo.ca/iqc/qcsys)

**Canada**

...an internationally recognized leader in the field of quantum information processing.

**USEQIP**

Undergraduate School on Experimental Quantum Information Processing



**Institute for Quantum Computing**  
200 University Avenue West  
Waterloo, Ontario, Canada N2L 3G1  
Phone: 1.519.888.4567 ext. 38936  
Email: [iqc-useqip@uwaterloo.ca](mailto:iqc-useqip@uwaterloo.ca)

[uwaterloo.ca/iqc/useqip](http://uwaterloo.ca/iqc/useqip)



**WELCOME TO QUANTUM INFORMATION PROCESSING**

This two-week summer program includes lectures introducing quantum information theory and experimental realizations of quantum devices followed by hands-on exploration using modern research-grade equipment.

You will receive an introduction to:

**QUANTUM INFORMATION PROCESSING**

- Quantum algorithms
- Quantum error correction
- Quantum cryptography
- Foundations of quantum mechanics

**IMPLEMENTATIONS OF QUANTUM INFORMATION PROCESSING**

- Nuclear magnetic resonance (NMR)
- Quantum optics and photonics
- Superconducting circuits
- Atomic physics and ion trapping
- Quantum dots
- Quantum sensors and metrology

**EXPERIMENTAL EXPLORATION**

- Quantum control and decoherence in NMR
- Tests of local realism with entangled-photon sources
- Superconductivity and low-temperature physics
- Quantum key distribution
- Design, optimization and implementation of a two-qubit quantum algorithm
- Fabrication of nano-scale devices in IQC's state-of-the-art cleanroom

**WHAT DOES IT COST TO ATTEND?**

USEQIP is fully funded through the Institute for Quantum Computing and covers all costs associated with the program including housing and food. Travel bursaries are available.

**RESEARCH OPPORTUNITIES**

Following USEQIP, there are a number of paid summer research opportunities with faculty at the Institute for Quantum Computing. If you are interested in performing research, please indicate so on your USEQIP application.



**HOW TO APPLY**

USEQIP takes place annually at the end of May and beginning of June. Applications open in October and are due early January.

See dates and details online:

[uwaterloo.ca/iqc/useqip](http://uwaterloo.ca/iqc/useqip)

**ENTER THE QUANTUM WORLD**

Apply for the Quantum Cryptography School for Young Students (QCSYS) - a unique enrichment program for high school students. Discover how physics, mathematics, computer science, engineering, and more combine into one of the most exciting topics in modern science - quantum information. Over the nine-day program, you will see how the world works at the quantum level, break down concepts like superposition and entanglement, and learn how quantum technology can be used for computing, imaging, and secure communications.

HOSTED BY THE INSTITUTE FOR QUANTUM COMPUTING AT THE UNIVERSITY OF WATERLOO, YOU WILL:

- Learn the mathematics and physics behind quantum mechanics through interactive lectures and mentoring from quantum researchers
- Creatively investigate the nature of quantum

**QCSYS IS FOR STUDENTS WHO ARE:**

- In Grades 11 or 12 (or equivalent)\*
  - Age 15 or older
  - Fluent in English
  - Enrolled in or completed Grade 11 mathematics (Grade 11 physics is recommended)
- \*Exceptional Grade 10 students may be accepted, space permitting

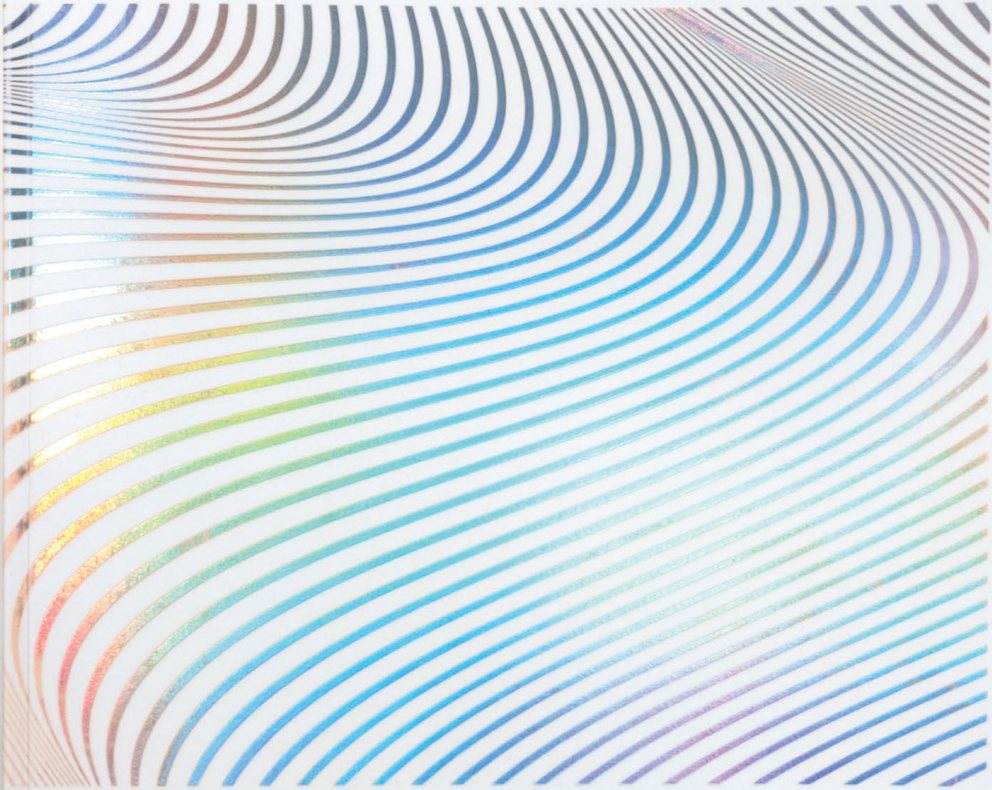
**PROGRAM COSTS AND ACCOMMODATIONS:**

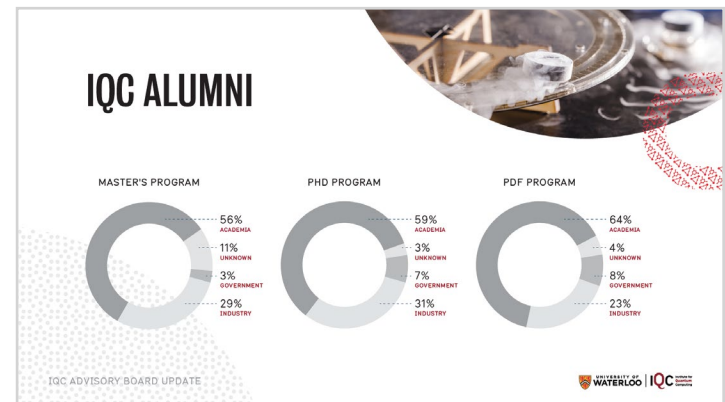
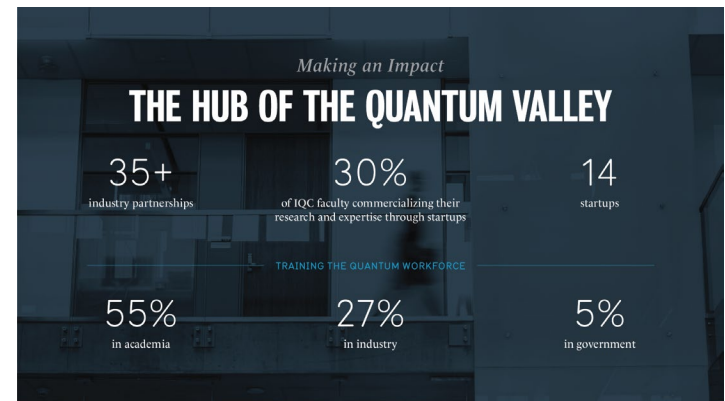
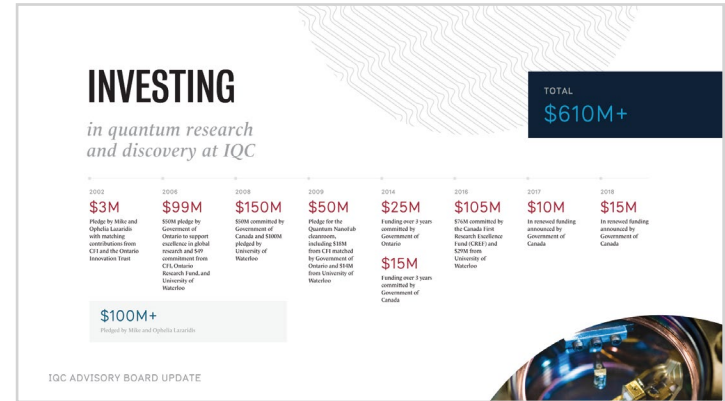
- Upon acceptance, there is a registration fee of \$250 CAD, and students are responsible for payment of travel to and from Waterloo. We offer bursaries to help cover the costs of registration and travel.
- All students, including those from Waterloo Region, stay in a university residence with QCSYS chaperones.



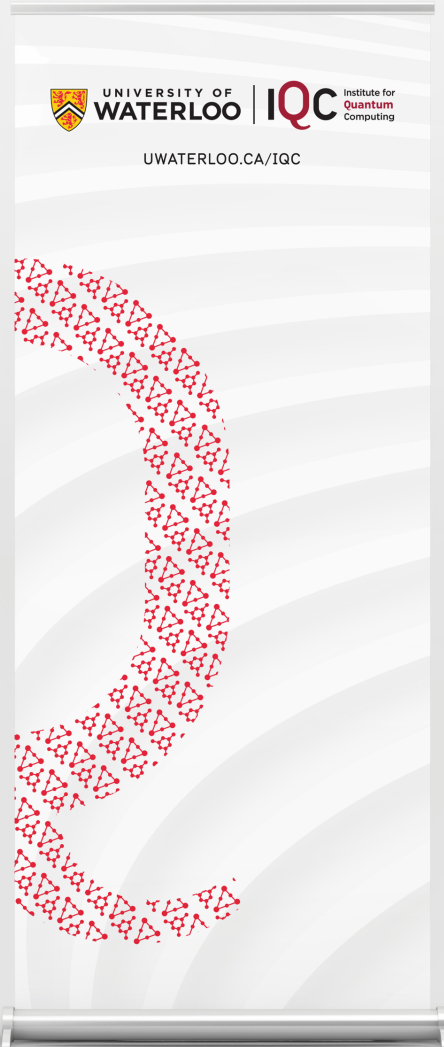


IQC IMPACT REPORT 2019





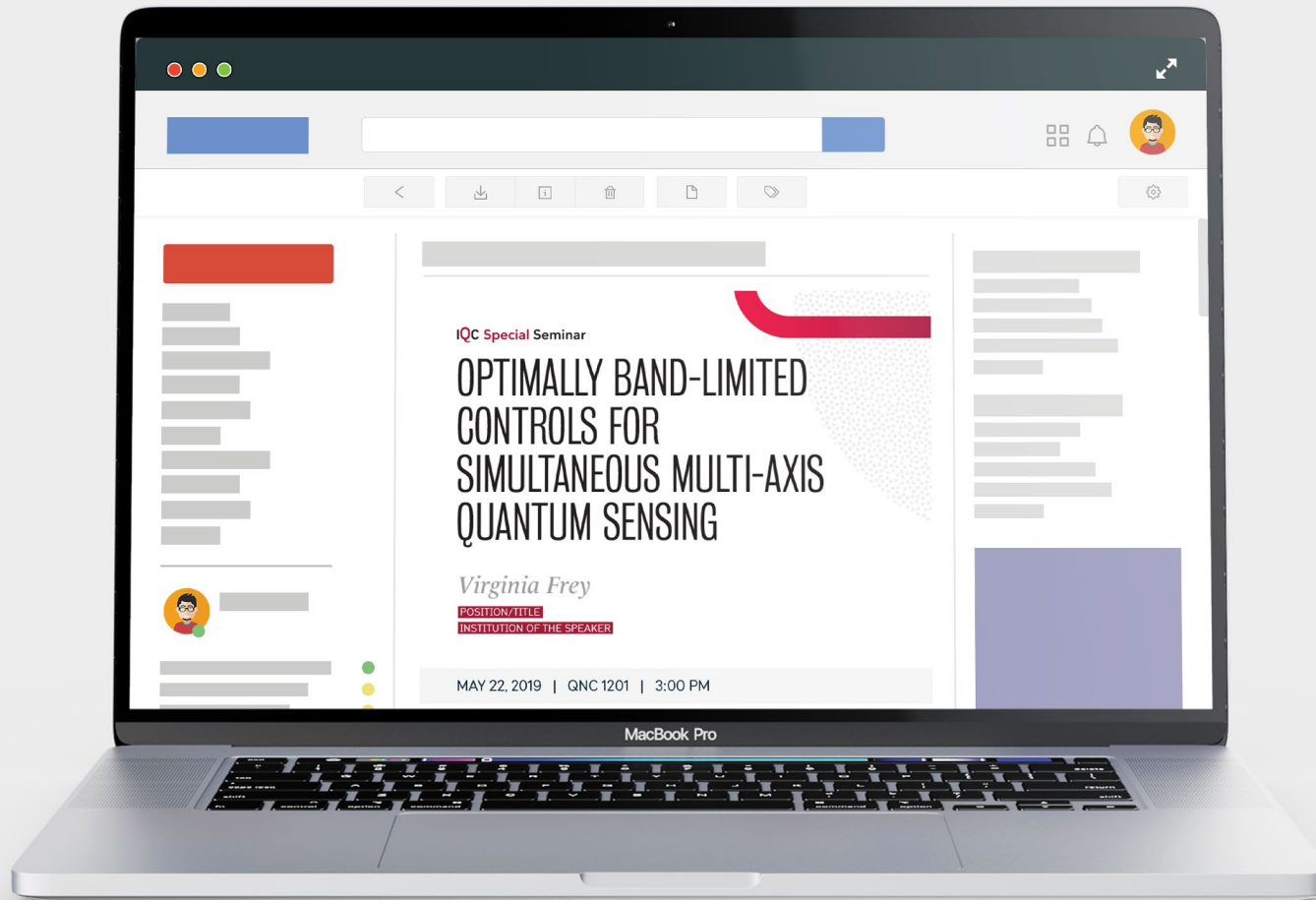
ZAP BANNERS





NAME TAG TEMPLATES







UNIVERSITY OF  
**WATERLOO**

| **IQC**

Institute for  
**Quantum**  
Computing