



TED^x

x = independently organized TED event

You can talk to us, follow us, like us, watch us, tweet about us or just see what we are up to at the following:

www.TEDxWaterloo.com
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TED^xWaterloo, Kitchener, Ontario, Canada – March 27, 2013



TED^xWaterloo
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chasing**HOME**

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About TED

TED is an annual event where some of the world's leading thinkers and doers are invited to share what they are most passionate about. "TED" stands for Technology, Entertainment and Design – three broad subject areas that are collectively shaping our future. In fact, the event is broader still, showcasing ideas that matter in any discipline. Attendees have called it "the ultimate brain spa" and "a four-day journey into the future." The diverse audience – CEOs, scientists, creatives, philanthropists – is almost as extraordinary as the speakers, who have included Bill Clinton, Bill Gates, Jane Goodall, Frank Gehry, Paul Simon, Sir Richard Branson, Philippe Starck and Bono.



EventDetails

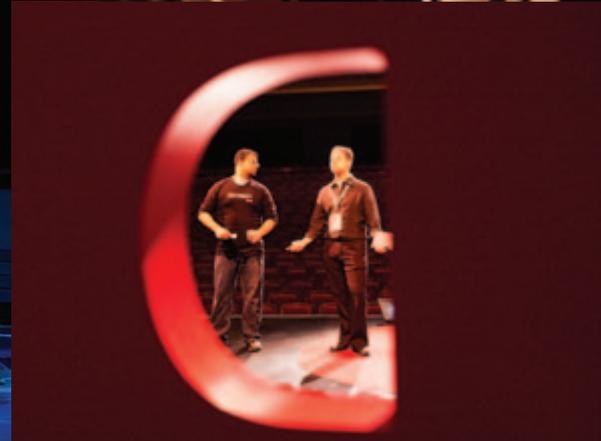
In the spirit of ideas worth spreading, TEDx is a program of local, self-organized events that bring people together to share a TED-like experience.

At a TEDxWaterloo event, live speakers and performers combine to spark deep discussion and connection. These local, self-organized events are branded TEDx, where x=independently organized TED event.

TEDxWaterloo: March 27, 2013
Waterloo Region, Ontario, Canada

Time: 1:00pm – 8:00pm
Followed by HOME at Last After Party

Venue: Centre In The Square,
101 Queen Street North, Kitchener, Ontario





Welcome to **TEDx**Waterloo

Welcome to TEDxWaterloo, an independently organized TED event, celebrating ideas worth spreading. You are part of an extraordinary community of enthusiastic and accomplished individuals who have come together today to be inspired, to share and explore our theme: chasingHOME.

Is “home” a concept or a reality? A place to begin from or a place to return to? Is home where the heart is or wherever you say it is? From our home planet to our most intimate interactions in home life, TEDxWaterloo 2013 is chasingHOME – and exploring what happens when it is lost and found.

This year we have expanded our program by including more speakers and performers as well as adding new perspectives to our speaker selection and thematic direction. We are a growing organization; there is always room for more ideas worth spreading. Our team has grown, and so have our aspirations and inspirations.

TEDxYouth@Waterloo

This year we are also offering a separate but simultaneous event, TEDxYouth@Waterloo, at The Chrysalids Theatre. This event shares the chasingHOME theme, but with a youth focus. TEDxYouth@Waterloo has its own youth speakers and its own experience. It's another expression of the TEDx spirit in our community. We are thrilled that our youth are enjoying their own event today!

Getting the Most from TEDxWaterloo

The TEDTalk format is fast-paced, with no Q&A from the audience: we are there to listen, observe and be inspired by what is happening on stage. With every talk/performance no longer than 18 minutes, your attention is riveted; the mind is flooded with ideas. It's invigorating and exciting.

There are three separate sessions, with breaks in between for physical nourishment and more mental stimulation. TEDx events are very much about interacting with other participants and we

encourage you to discuss your thoughts, reactions and own ideas during these lively breaks. At TEDxWaterloo no one is a stranger and everyone is there to share!

HOME at Last After Party

Following the event, you are invited to the HOME at Last After Party right here at the Centre In The Square. It's the perfect opportunity to carry on discussions from the day while instigating more thought and, obviously, having more fun. We want you to strike up conversations and spark new friendships; this is how you get the most out of TEDxWaterloo.

2013 marks our fourth year of presenting TEDxWaterloo to our community. This event has morphed into a much-anticipated experience for many people – you are part of a 1500-person audience, joining us from several hundred different companies, schools and organizations. In addition to the live audience here at the Centre In The Square, you are sharing this experience with thousands of remote viewers watching online around the world.

Continue the Conversation

Because this day goes by so quickly, we encourage you to connect further with the people you meet today via our TEDxWaterloo Facebook group, Twitter hashtag #TEDxWaterloo and Flickr pool 'tedxwaterloo.' Visit our TEDxWaterloo.com site regularly for breaking news and more TEDxWaterloo events.

Thank you for being here and have fun!

Your co-hosts,
Matt Gorbet, Ramy Nassar and Angela Pause



EventTeam

Lead Organizers

Ramy Nassar Co-Host & Community Relations

Ramy is a co-founder of TEDxWaterloo, which means he has given much of his time over the last four years to this event. He is a TED junkie, having travelled the world to many TEDx events, including speaking at TEDxAthens. He's attended TEDGlobal in Edinburgh, Scotland and last year he was involved with TEDxSummit held in Doha, Qatar. By day, Ramy works in business development with a user experience design company called Myplanet Digital. Outside of work he's interested in real estate development, loves to cycle and enjoys travelling and experiencing new cultures. Ramy is the quintessential "man about town" and his love for his community is both obvious and invaluable. Follow him on Twitter @ramynassar

Matt Gorbet Co-Host & Curator

Matt Gorbet is a co-founder of TEDxWaterloo and is now in his fourth year of using his creative mind and hard work to ensure TEDxWaterloo is a success. Matt is a technology artist and designer (gorbetdesign.com) and, along with his partners, has recently launched a design thinking initiative in a major global corporation. His work is also his play; he strongly believes in ideas worth spreading and uses design thinking to make the world of work more innovative and human-centric. You can see some of Matt's work at the Waterloo Regional Police Headquarters: his Solar Collector sculpture gathers human expression and solar energy during the day, and then brings them together each night in a performance of flowing light. Matt earned a Bachelor of Science in Architecture from MIT and a Master of Science from the MIT Media Lab. He's @mgorbet on Twitter.

Angela Pause Co-Host, Curator & Marketing Lead

Adding Angela to the TEDxWaterloo speaker curatorial team accomplished two goals: it enhanced the scope and depth of the speaker selection while giving her eclectic mind a worthy challenge. Angela also leads the remarkable Marcomm team who truly are the people doing all the real work! Now in her third year

of organizing TEDxWaterloo (and her seventh TEDxWaterloo-branded event) Angela somehow juggles this feat along with her long-established freelance writing career (w4r.ca) and the rest of her energetic life; she's a mother of two amazing young women (also TEDxWaterloo volunteers), a competitive CrossFit athlete, a science geek, a TEDActive participant, a catalyst for fun and an ardent ambassador of all things Waterloo Region and TEDx. Find her on Twitter @angelapause

Ronak Patel Production Lead

Ronak always has multiple ventures on the go. Currently, he is the Marketing and Communications Specialist at Coreworx in Kitchener. Ronak is truly passionate about bringing people together and developing communities – he co-founded the Social Media Breakfast: Waterloo Region and coordinated the VeloCity Residence at the University of Waterloo. Ronak has been managing the production of TEDxWaterloo since 2011 and looks to other TEDx conferences for continued ideas and inspiration. He attended TEDxAmsterdam in 2012, which infused him with many exciting ideas that are in the works for TEDxWaterloo. Chase him down on Twitter @r25patel

Marian Marshall Stage Production Lead

Marian has influenced many of Kitchener-Waterloo's stage designs over the last decade. She is committed to promoting and helping our vibrant arts community both professionally and in a volunteer capacity. Besides a long and influential history in theatre and fine art, Marian is a respected business executive and the mother of three wonderfully interesting young adults. From her degree in fine arts to her MBA, Marian's combination of stage design and business expertise makes her an indispensable member of the TEDxWaterloo team.

Christine Hamon Audience Experience Lead

Christine lives and breathes TEDxWaterloo. She's been a lead organizer since the early planning stages of our 2011 event. This year, she took on the role of Audience Experience Lead and is responsible for everything that happens outside of the theatre – she is the key to everyone having fun – which she does with style! Christine has a second full-time job as a marketer and event manager, and manages to squeeze in time to do freelance graphic design. See if you can keep up with her on Twitter @ChristineHamon

Renjie Butalid TEDxYouth@Waterloo

Renjie is an entrepreneur with a passion for social change. He loves to talk startups, ideas worth spreading and traveling the world. He is co-founder of Togethr.ca, a mobile app where you can send real gifts to your loved ones from your phone. A global nomad at heart, Renjie was born in the Philippines, raised in the United Arab Emirates and calls Canada home. In 2012, Renjie was recognized as one of the *Waterloo Region Record's* 40 Under 40. Say hello to him on Twitter @renjie

Volunteer Organizers

Special thanks to the more than 50 other skilled and hardworking volunteers and organizers who made TEDxWaterloo happen. Please thank them – and the many Day-of Event volunteers – when you see them. They will be wearing TEDxWaterloo t-shirts!

Invaluable Assistance

We want to express our gratitude to our incredible community partners, the Centre In The Square and The Chrysalids Theatre.

It is only with their support, leadership and knowledgeable staff that we could make TEDxWaterloo and TEDxYouth@Waterloo this awesome.

The Waterloo Region District School Board has also become an important part of TEDxYouth@Waterloo through their support of our TEDxWaterloo in Schools and Education Outreach initiatives. By working together, we are able to bring "ideas worth spreading" to the students of our communities.

Thank you!

Partnerships

Candice Faul
Kyle Feucht
Martin Kihle
Mike Shanks

Audience Experience

Anita Giardina
Christian Mijatovic
Christine Hyde
Elena Tsimakouridze
Erica Waugh
Joanna Woo
Kirk Zurrell
Ryan Tremblay
Stanley Khaing
Valerie Beyer

Technical Production

Alain Gaudrault
Cedric Puddy
Geoff May
Peter VanderMeer
Scott Weber
Steve Prentice
Dan McGinnis
Terry McGuire
Janelle Navarro
Victor Cheung

Marketing

Communications
Amanda St. Marie
Amy Foster
Anna Beard
Christine Reid
Darryl Kraemer
Hayden Tay
Jasmine Mangalaseri
Jenny Lu
Jessica Flanagan
Joel Mieske
John Vu
Julie Norcott
Justin Frenette
Kayleigh Klajnscek
Kelly Baker
Laura Nicholson
Lily Lo

Lisa Morris
Melissa Lukezic
Naman Kumar
Niki VandenBerg
Peter West
Samantha Clark
Sarah Sturtevant
Scott Williams
Taylor Watson

Stage Production

Bob Williams
Dominc Wale
Jon Buysse
Naomi Wale

Speaker Logistics

Fahima Anwar



EventSchedule

Session 1: homeWITHIN

1:00 pm

Holly Painter
Jessica Grahn
Emma Allen-Vercoe
Aygul Memet
Chris Eliasmith
Mag Ruffman

Break (60 minutes)

2:30 pm

Session 2: homeTOGETHER

3:30 pm

Andrea Spaziani
Susan Matt
Noel Biderman
Andria Simone
Miles Corak
Sudz Sutherland
Mark Greenberg

Break (75 minutes)

5:30 pm

Session 3: homeBEYOND

6:45 pm

Alison Lister
Ray Laflamme & Martin Laforest
Wade Larson
Rob Manning

HOME at Last After Party

8:00 pm

OurSpeakers

Extraordinary People, Remarkable Insight



HollyPainter

A young slam poet with something to say.

Working 10 years at various serving jobs forced her to bite her tongue more often than not. Holly Painter doesn't hold much back anymore, especially not with a microphone in hand. As a rising star in the slam poetry community, Holly is chasing (and catching) the attention of a far wider audience.

First slamming in June 2011, Holly is now Director of the London Poetry Slam and was named Grand Slam Champion for the 2011–2012 season. She represented London at the 2012 Canadian Individual Poetry Slam in Vancouver and the Canadian Festival of Spoken Word in Saskatoon. She's performed at Ladyfest and Nuit Blanche (London), Culture Factory (Chatham) and Youth in Unison (Guelph), as well as doing feature performances at several slams across Ontario.

For more on Holly, follow her on: Twitter @Hey_MissP and facebook.com/hollypainterpoetry



JessicaGrahn

A neuroscientist with music on the brain. Literally. Can music change the way we move?

Jessica Grahn is a cognitive neuroscientist who chases the musical mysteries of the mind. For her, music and the brain inspire her to ask how and why does music make us move? How does music influence different types of movement, and how could we optimize this effect to help patients with neurological disorders?

Jessica, a musician herself, is curious about why humans have developed a musical culture (and why monkeys haven't) and how musical or rhythmic ability relates to movement and language ability. This Assistant Professor at the Brain and Mind Institute and the Department of Psychology at the University of Western Ontario is using her neuro-musical insights to explore the age-old mystery of why some people can 'feel the beat,' while others have two left feet.

For more on Jessica, visit: jessicagrahn.com



EmmaAllen-Vercoe

She's a microbial ecologist with a Robogut. You're home to trillions of bacteria. Have we killed all the goods ones?

Home is where the microbes are, especially if you're talking about the human digestive system. With 10 times more non-human cells than human ones, each person is literally more microbial than they thought – up to three pounds worth! Emma Allen-Vercoe, a microbial ecologist, wants you to nurture these trillions of tiny residents in your gut because, as science is just discovering, they are vital to human health.

Emma, an Associate Professor in the Department of Molecular and Cellular Biology at the University of Guelph and a member of the worldwide Human Microbiome Project, has built the Robogut that provides a window on the microecology of the human digestive system. This artificial gut does exactly what we do...uhhh...naturally, and Emma examines the very stinky process in order to learn how we can be the best microbial managers possible and even enhance their vital functions. Human health and future medical strategies may depend on it. Let Emma (and her trillions of industrious microbes) transport you to the fascinating microbial world that calls your gut home “not-so-sweet” home.

For more on Emma, visit: http://www.uoguelph.ca/mcb/people/faculty/faculty_allen-vercoe.shtml



AygulMemet

This star acrobat ran AWAY from the circus. From the stage of *Canada's Got Talent* to ours, Aygul will amaze you.

Aygul Memet does things differently. She ran away from the circus. Aygul, a star acrobat with the Chinese circus, left her native Uyghur in 2005, leaving her family behind so she could establish a new life for them in Canada. Here, she began the difficult task of starting over. Now reunited with her family and continuing to perform her awe-inspiring acts, Aygul shares her art with enraptured audiences.

Schooled in the rigorous acrobatic circus disciplines from early childhood, she has showcased her skills throughout Asia, Europe and North America, winning a number of awards along the way. Now working with Toronto's Zero Gravity Circus, she was a featured performer on *Canada's Got Talent*, where she was the only circus arts performer to reach the finals.

For more on Zero Gravity Circus, visit: zerogravitycircus.com



ChrisEliasmith

He's the creator of “Spaun,” the world's largest brain simulation. Can he really make headway into mimicking the human brain?

Chris Eliasmith has cognitive flexibility on the brain. How do people manage to walk, chew gum and listen to music all at the same time? What is our brain doing as it switches between these tasks and how do we use the same components in our heads to do all those different things? These are questions that Chris and his team's Semantic Pointer Architecture Unified Network (Spaun) are determined to answer. Spaun is currently the world's largest functional brain simulation, and is unique because it's the first model that can actually emulate behaviours while also modeling the physiology that underlies them.

This groundbreaking work was published in *Science*, and has been featured by *CNN*, *BBC*, *Der Spiegel*, *Popular Science*, *The Economist* and *CBC*. Chris is co-author of *Neural Engineering*, which describes a framework for building biologically realistic neural models, and his new book, *How to Build a Brain*, applies those methods to large-scale cognitive brain models.

Chris holds a Canada Research Chair in Theoretical Neuroscience at the University of Waterloo. He is also Director of Waterloo's Centre for Theoretical Neuroscience and is jointly appointed in the Philosophy and Systems Design Engineering departments, as well as being cross-appointed to Computer Science.

For more on Chris, visit: <http://watarts.uwaterloo.ca/~celiasmi/>



MagRuffman

Actor, author and contractor. When Mag is chasingHOME, she's doing it with a fully loaded toolbox.

She's a home-handly woman with a quirky attitude and she wears more than an undershirt. Mag Ruffman is a television producer, writer, actress and building contractor. She spent seven years in a corset as “Olivia Dale” on *CBC's* and *Disney's Road to Avonlea*, and five seasons in a tool belt as host, creator and producer of the fix-it classic *A Repair to Remember* and the workshop series *Anything I Can Do*. She also created and hosted the wildly popular relationship show *Men On Women* for the *W Network* in Canada and authored *We're All In This Together*, which is based on conversations with Red Green (Steve Smith) and *How Hard Can It Be?*, a guide to home repairs for beginners.

These days Mag is mad about the connection between using tools and how it makes for better brains and better kids. When Mag is chasingHOME, she's doing it with a fully loaded toolbox.

For more on Mag, visit: toolgirl.com



Andrea Spaziani

A choreographer and performer who is compelled to transform the ordinary to trigger something...else.

Andrea Spaziani is at home on the stage. This Toronto-based choreographer and performer is compelled to transform the ordinary, believing in the potential for a performance to transmit unpredictable experiences. Her goal is to trigger something to happen just outside of the confines of language.

As a performer, Andrea has worked with some of Canada's most celebrated artists including David Earle, Susie Burpee, Heidi Strauss, Valerie Calam, D.A. Hoskins and Meagan O'Shea. Recent collaborations have been with Amanda Acorn of Toronto's Dancemakers, Alias Dance Project, Berlin-based artist Alicia Grant, filmmaker Melissa Dozois, and with music artists Christopher Willes and Juno nominee Peter Katz. She has choreographed for music videos directed by Juno recipient Christopher Mills, and performed live with Juno recipient Kellylee Evans at CBC's Glenn Gould Studio. With support from the Canada Council for the Arts, she attended the 2012 ImPuls Tanz Festival in Vienna, Austria where she collaborated and performed in *The Beach*.

Appearing on stage with Andrea Spaziani: Meagan O'Shea, Christy Stoeten, Amanda Acorn, Andrew Hartley, Simon Renaud, Julia Male, Kate Nankervis, Austin Fagan.

For more on Andrea, visit: andreaspaziani.com



Susan Matt

She's an historian who researches emotions. How homesick are you? And what do we do to cope?

Is home where the heart is? Or where you hang your hat at night? An historian of the emotions, Susan Matt will help explore and explain the loneliness of leaving "home," whether it's to relocate to a country halfway around the world or to a university dorm room two cities away. Susan is the Presidential Distinguished Professor of History and Chair of the History Department at Weber State University in Ogden, Utah. She is the author of *Homesickness: An American History* and *Keeping Up with the Joneses: Envy in American Consumer Society, 1890-1930*. Armed with a fresh Canadian perspective, Susan will shed light on the demons of loneliness that chase even the hardest among us.

A native of Chicago, Susan received her B.A. from the University of Chicago and her M.A. and Ph.D. from Cornell University. She and her husband are currently writing a book on how technology has changed inner life, from the telegraph to Twitter.

For more on Susan, visit: <http://www.weber.edu/history/faculty/matt.html>



Noel Biderman

He runs a website for married people looking for nooky. He has 17 million insights into relationships.

Is Noel a home-wrecker or a prophet of modern relationships? Through his work as the successful CEO of the very profitable AshleyMadison.com, a dating service for married people looking to have affairs, Noel has become an acknowledged aficionado of adultery. His best-selling book, *Cheaters Prosper: How Infidelity Will Save the Modern Marriage*, gives compelling insight into the pitfalls of monogamy and the motivations behind infidelity. Are his 17 million cuckolding customers complete cads or are they doing what they need to keep themselves in emotional relationships?

Prior to entering the world of aspiring adulterers, Noel Biderman worked as a sports attorney with one of Europe's and North America's largest sports management firms. In an interview with *Businessweek*, he said much of his work as an agent involved helping professional basketball players juggle their wives and mistresses. Noel is married, with two children.

For more on Noel, visit: www.noelbiderman.com



Andria Simone

She's chasing her dream of being an R&B and soul singer. And she's determined to succeed.

She's chasing her dream of being an R&B and soul singer, of finding a home among acclaimed singers like Aretha Franklin, Annie Lennox, Amy Winehouse, Adele, Alicia Keys and Aaliyah. At 24 years old, Andria Simone may well one day join this "A-list." For now she's earning her stripes by writing and singing her heart (and soul) out on Canadian stages.

The riveting and forceful *Do What I Want* showcases her bold feminist approach to life, and *Shame* is a classic Southern soul-style ballad that captures the power of Andria's pipes to full effect. *Nothing Comes Easy* is rousing and gospel-tinged, while *Change* is a deeply personal song, inspired by those facing illness and hard times.

It is live performance that captures Andria's heart: "I would rather sing live than hear my songs playing somewhere," she confesses. For Andria, chasing this dream is her reality: "This not working out is not an option. I will just keep doing it."

Playing on stage with Andria Simone: Anthony Brancati – Keyboards, Mark Wilson – Bass, George Nivolov – Drums, Brian Dhari – Saxophone, Tom Moffett – Trumpet, Dave Kirby – Guitar, Lydia Persaud – Background Vocals, Claire Doyle – Background Vocals.

For more on Andria, visit: andriasimone.com



MilesCorak

A Canadian economist with an interesting twist: How to give children the vote.

A Professor of Economics at the Graduate School of Public and International Affairs at the University of Ottawa, Miles' research focuses on child poverty, intergenerational earnings, education mobility and unemployment – all issues that impact what goes on in the homes of many Canadians. His views on social policy, labour markets and family policy concern the well-being of children and how they can become all that they can be, including what rights children have and what rights they should have.

A sought-after expert in the field, Miles' work is frequently cited in the world's major media including *The Globe and Mail*, *The New York Times*, *CNN*, *The Economist*, *Forbes*, *Bloomberg*, *Businessweek* and *The Guardian*. It has also been used by governments and public policy think tanks to inform the conduct of policy, mostly recently by the White House in its *2012 Economic Report of the President*.

For more on Miles, visit: mileskorak.com



SudzSutherland

He is an award-winning writer and director with a desire to tell stories about the realities of what home and family mean.

Sudz Sutherland is a Canadian writer and director with a desire to tell stories about the realities of what home and family mean. His latest film, *Home Again*, traces the lives of two men and one woman who are deported to Jamaica and forced to leave the only homes they ever knew. Based on true events, this movie highlights a human rights issue in Canada today that is seeing vocal supporters on both sides.

Sudz has won multiple awards and a Genie nomination for his debut feature film *Love, Sex and Eating the Bones*. He directed *The Phantoms* that aired on CBC in 2012. He co-wrote and directed the dramatic CBC miniseries *Guns*, which is based on four families caught up in illegal gun trafficking and won five Gemini Awards including best writing and directing. Sudz also wrote and directed the triple Gemini Award-winning *Doomstown*. His powerful half-hour dramatic debut, *My Father's Hands*, screened at the Toronto International Film Festival and went on to win prizes in Canada at the 2000 Yorkton Film Festival (four awards including best drama, script, direction and best actor), and internationally, including the \$20,000 HBO Short Film Award at the Acapulco Black Film Festival. The film was also nominated for a Gemini Award for best short. In addition, Sudz co-directed the National Film Board's documentary film *Speakers for the Dead*.

For more on Sudz, visit: hungryeyes.ca



MarkGreenberg

This renowned pediatric oncologist shares his deep insight on the difference between curing and healing.

Living, dying and modern medicine. What happens when these hit close to home? What changes must we face when a child's life is touched by illness? And what is the difference between curing and healing? Among Canada's most respected figures in pediatric oncology, Dr. Mark Greenberg has been grappling with these issues at all levels, from deeply personal to difficult policy, for decades.

A self-described "merchant of mercy," Mark has touched the lives of thousands of families with children who are living with (and dying of) cancer. He is recognized internationally as an outstanding opinion regarding complex oncology problems and as an advocate for children with cancer and their families. His research includes long-term overall and specific outcomes, quality of care for children treated for childhood cancer and interventions to mitigate those outcomes.

Through most of the 1990s, Mark was Chief of Oncology at The Hospital for Sick Children, and for the next decade he co-chaired the national Canadian Childhood Cancer Surveillance and Control Program. Today, Mark is a senior advisor and past medical director of the Pediatric Oncology Group of Ontario (POGO). He is also the senior staff oncologist at The Hospital for Sick Children. He received the Order of Canada in 2001.

For more on Mark, visit: sickkids.ca/AboutSickKids/Directory/People/G/Mark-Greenberg



AlisonLister

She's a physicist with CERN working on the ATLAS (Higgs boson) project.

The Universe. There is no bigger home, yet to uncover its secrets we'll have to chase down the smallest of particles. Alison Lister, a particle physicist and Assistant Professor at the University of British Columbia, is drawn to this Herculean task of probing the most fundamental constituents of matter, asking what are the fundamental particles and forces and how do they fit together to make the bigger pieces that we see?

Alison has been chasing these elusive particles with the ATLAS experiment and the Large Hadron Collider at CERN, home to 3000 scientists from 138 countries. There, and here in Canada, she looks back in time to very small fractions of seconds after the Big Bang to learn about the basic forces that have shaped our Universe since the beginning of time and that will determine its fate. The exciting discovery of the Higgs boson in July 2012, after a 40-year search, has just led to more questions for Alison and her colleagues. The daughter of two physicists who met and fell in love at CERN, Alison has experimental subatomic physics in her blood.

For more on Alison, visit: phas.ubc.ca/users/alison-lister



WadeLarson

His company, UrtheCast, is putting HD cameras on the International Space Station so you can watch Earth like an astronaut.

Seeing the “big picture” is what drives Wade Larson. As the visionary behind UrtheCast (pronounced “Earth cast”), Wade is part of the team that is building, and in late 2013 will launch, install and begin operating two cameras onboard the International Space Station – one of which will be the world’s first-ever HD video from space. The UrtheCast cameras will allow everyone with an internet connection to watch video of the Earth in near real time. Formerly a vice president at the space missions division of Canada’s leading space company, Wade has also managed Canada’s international partnerships in Earth Observation at the Canadian Space Agency and was frequently Canada’s representative at the United Nations Committee on the Peaceful Uses of Outer Space (UN COPUOS). Wade calls UrtheCast a mash up of Google Earth and YouTube, and hopes that it will provide people everywhere with a new view of our home planet. Will UrtheCast give us an astronaut’s perspective? Is seeing believing?

For more on Wade, visit: urthecast.com



RobManning

Chief Engineer of the Mars Curiosity Project, he is the man behind the missions with a philosophical viewpoint of our quest.

He is the man behind the missions to Mars. Rob Manning, Chief Engineer for the Mars Science Laboratory, was – and is – responsible for ensuring that the mission and the team could successfully land Curiosity Rover on Mars on August 5, 2012 and carry out meaningful experiments on the red planet. An Engineering Fellow at NASA’s Jet Propulsion Laboratory, Rob has been designing, testing and operating spacecraft for 32 years. From engineering Mars Pathfinder, Mars Rovers Spirit and Opportunity and now Curiosity, he’s been a significant part of Mars missions since the early ’90s. Rob received two NASA medals and is in the *Aviation Week* magazine Space Laureate Hall of Fame in the Smithsonian Air and Space Museum. In 2004, *SpaceNews* magazine named Rob as one of 100 people who made a difference in civil, commercial and military space since 1989.

More than just a giant in space engineering, Rob has deeply philosophical views on humankind’s reach for planets beyond our home. What are we chasing in this space quest, and what’s next?

For more on Rob, visit: <http://mars.jpl.nasa.gov/MPF/bios/team/manning.html>

Special On-StageGuests

RayLaflamme

Ray is a Canadian physicist who did his Ph.D. with Stephen Hawking, worked at Los Alamos Laboratories and came to Waterloo in 2001 as a founding member of the Perimeter Institute. He is Director of the Institute for Quantum Computation, and CSO of Universal Quantum Devices. He aims to bring the quantum revolution to your doorstep. Ray first appeared on the TEDxWaterloo stage in 2010 and is a great friend to the TEDxWaterloo community.

MartinLaforest

Martin’s love for science emerged at an early age, as did his love of talking! After receiving his Ph.D. in experimental quantum physics and doing a two-year stint as a full-time researcher in the Netherlands, Martin came back to the University of Waterloo’s Institute for Quantum Computing for his dream job: being paid to talk about quantum physics research. As Senior Manager of Scientific Outreach at IQC, Martin travels the world talking about quantum information science and technology and raises awareness about this technological revolution.

TEDxWa
x = independently organized

TEDxWat

InnovationChasers

During our intermission breaks, see what some of our local startups are up to. They are located in the Kitchener-Waterloo Art Gallery corridor.

Thank you to the Accelerator Centre, Communitech, WLU Launchpad and VeloCity for partnering with TEDxWaterloo on the Innovation Chasers program.

Cream.hr uses scientifically proven and peer-reviewed research to create the proprietary algorithm that determines who the top-performing and the not-so-top-performing workers are.

Dandy: It takes a community to raise an app. Users share their mobile app idea and our community decides which ideas to develop. Once an app is released, a percentage of profits are shared back to users and the community.

Encircle reinvents the home inventory. Take a picture of your assets along with model/serial number. Encircle then creates a complete support library, proactively delivers product recall notifications and more. Encircle makes managing your home assets quick and painless.

Mozzaz delivers a collaborative care solution for mental health services that connects individuals to their care providers. Mozzaz apps for individuals integrate to a care provider's case management system to deliver a treatment program that drives timely and accountable outcomes.

Organimi is a cloud-based service that allows users to create interactive, role-based org charts and photoboards that are simple to create and keep up to date. You'll always know who's who and what they do, from anywhere at any time.

Primal is an interest network that lets you discover, follow and share the information you truly care about. Whatever topic or content source you choose, Primal provides expansive coverage of interests from across the web.

Reebee: Flyers at your fingertips. Reebee created an easy, intuitive app to browse your promotion flyers.

Sober Steering's system is next-generation biosensor technology to prevent drunk driving. Transdermal biosensors are installed on the steering wheel to detect driver intoxication. If the driver is above a preset limit, the system immobilizes the vehicle to prevent drunk driving.

The Smile Epidemic is creating the happiest community on Earth by engaging and educating people about the benefits of present mindfulness and gratitude in an effort to increase overall happiness and healthiness.

Togethr creates positive interactions in a fun and easy way to send thoughtful gifts to the people that matter the most in our lives.

Vidyard is a video marketing platform that helps marketers drive results with video content. Take the guesswork out of your video campaign results with industry-crushing video analytics and push more viewers through your funnel with powerful, built-in video marketing tools.



Etcetera...

Live Stream

If you would like to share TEDxWaterloo with your friends around the world, please alert them we will be live streaming throughout the day. To watch the event they should visit: <http://www.tedxwaterloo.com/2013-livestreaming-information>

Food/Drinks

This year we are featuring abundant snack choices, and the dinner will be the legendary E.V.O. food boxes for all. There are gluten-free, vegan and vegetarian choices available. There is no food or alcohol permitted in the theatre, only bottled water. We are continually working on improving our sustainability and waste management efforts.

Late Entrance

As a courtesy, there is no late entrance to the theatre while a speaker is on stage. The ushers will let you in at an appropriate time.

Photography and Video Rules

There are no flash cameras or videotaping allowed in the theatre. Should you choose to use professional photography equipment, please be aware that you must abide by the Creative Commons license that apply to all TEDx events ("Attribution-NonCommercial - NonDerivative"), so that photos can be freely shared and reposted. There are no exceptions. There is never any videotaping allowed within the theatre. TEDxWaterloo invests in the highest-quality video production and post-production to ensure only the very best TEDxWaterloo Talks are released online. We thank you for your understanding and compliance in this important matter.

After a Session

After each session, we request that everyone exit the theatre and take their belongings. You will be allowed back into the theatre just prior to the next session's start. Please find a new seat for every session...why? See below.

Seat Switching

Don't sit in the same seat twice! In fact, you can't save a seat for the next session. We ask you to switch seats and sit beside someone new - and unknown - so that during the breaks you can talk about what you just heard. Conversation during the breaks is the true energy that keeps everything going! What's more, sitting in a new seat gives you and another person a new visual perspective, which is an important part of the experience.



OurPartners

The success of this event is due in great part to the ongoing commitment of our community partners. We are honoured to have returning partners and new partners who support TEDxWaterloo so strongly and consistently. These are the difference makers who believe in ideas worth spreading and supporting the TEDxWaterloo community. Thank you so much for your partnership in the 2013 TEDxWaterloo chasingHOME–and beyond.

Title Partners



Design Partners



Presenting Partners



Event Partners



In-Kind Partners



Communication Partners



Anonymous Partners

A very special thank you to Andrew and Lillian.

TEDxYouth@Waterloo Partners



Food Partners



