
GEORGIAN TRIANGLE LIFELONG LEARNING INSTITUTE

2019 - 2020 Lectures



GTLI is a non-profit organization
founded in 1995.

We offer university-level lectures given by
experts from various fields.

GTLI is maintained by volunteers and funded
by annual membership and registration fees.

For more information:

www.GTLI.ca,

email: info@GTLI.ca or call: 705 300-3251

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Collingwood, ON, L9Y3Z4

for people who love to learn

PERSPECTIVES 2019

Sept 6, 13, 20, 27

Sept 6: *THE LIFE OF A CONCERT PIANIST*

The oh-so-glamorous life of a concert pianist revealed. This presentation takes us backstage to experience the high-strung, travel-laden, cosmopolitan life of a modern concert pianist. Drawing from recent experiences on the touring circuit, Daniel Wnukowski takes us on a journey from the practice room to the stage, where music comes to life.

Daniel Wnukowski is a Polish-Canadian concert pianist who has performed internationally. He has a M.Mus from the Guildhall School of Music & Drama (London, UK) and a B.M. from the Peabody Conservatory of the Johns Hopkins Institute. He has uncovered many "forbidden" works by composers whose music was banned during the Holocaust. He is the founder of the Collingwood Summer Music Festival and the pan-Canadian outreach project, Piano Six "New Generation".

Sept. 13: *DEVELOPING A WINNING MINDSET*

The winning mindset of successful athletes involves three qualities: confidence, mental toughness and effective management of thoughts and emotions. Resiliency is one component that helps overcome significant obstacles. We will learn about the mental preparation strategies that are often used by elite athletes on their road to success.

Paul Dennis, BPHE, B.Ed, MA, PhD, has spent 20 years with Toronto Maple Leafs as their player development coach and as a consultant to NBA's Toronto Raptors and Major League Soccer's Toronto FC. His primary role was to assist athletes and coaches in their mental preparation. He is currently an advisor to the Ontario Hockey League and Hockey Canada.

Sept. 20: *THE ARCTIC IN THE MODERN ERA*

The first part of this presentation will look at the physical Arctic, and the first peoples to occupy its vastness. The second part will focus on the modern Arctic. The creation of Nunavut in 1999 brought both hope and problems for its citizens. The Inuit are confronted by the headwinds of western culture and climate change. Despite these challenges, they are determined to gain a future homeland that is truly theirs.

Peter Middleton is a retired Outdoor Educator with a passion for the Canadian Arctic. His travels, as a guide to the Arctic, spanned nearly five decades, and provided him with a wealth of direct experience, and perspective. Global challenges, both to the ecology and the Inuit culture, are particular areas of interest. Peter has, in retirement, pursued a second career as a lecturer and has presented to the GTLLI on two previous occasions.

Sept. 27: *CANADA: A NATION OF INNOVATION*

Innovation is the basis of a strong economy. This presentation describes an 'Education for Innovation' initiative supported by the Rideau Hall Foundation and intended to cultivate and celebrate innovation in Canada. We will hear about Canadian innovators and the learning activities used to promote innovation mindsets in youth.

Dr. Maria Cantalini-Williams was a full Professor of the Schulich School of Education, Nipissing University and is presently an instructor at Wilfrid Laurier University. She leads the Education for Innovation project and has authored many academic publications and teaching resources.

FALL COURSE 2019

Oct 18, 25, Nov 1, 8, 15, 22

FASCINATING ASPECTS OF THE BRAIN

Oct 18: The Interplay between Genes and Environment.

Previous ideas about the origins of our individual differences were based around the nature-nurture dichotomy. Current research shows that not only are we born with genetic predispositions but our genes also listen to our experience as we develop. This gene-environment interplay moulds our bodies and minds making us who we are.

Marla B. Sokolowski PhD, FRSC is a Distinguished Professor in the Department of Ecology and Evolutionary Biology at University of Toronto. She codirects the Child and Brain Development Program at the Canadian Institute for Advanced Research. Her research on how genes interact with the environment to impact behaviour has achieved worldwide acclaim.

Oct 25: Bacteria and Behaviour: Curious Travels in Another World

This discussion will reveal the amazing bacterial world in which we live (we are their guests). We learn how science supports the possibility and even likelihood that our gut bacteria influence our behaviour in health and disease.

Dr. John Bienenstock, CM, FRCPC, MD (Hon), FRSC is an active researcher, currently Director of the Brain-Body Institute at St. Joseph's Healthcare Hamilton. He is a Member of the Order of Canada, inductee into The Canadian Medical Hall of Fame and former Dean & Vice-President of Faculty of Health Sciences, McMaster University.

Nov 1: Your Amazing Plastic Brain

The brain has an incredible power for self-healing through its natural plasticity. What is the power of neuroplasticity? If this power exists why do people with brain injuries, spinal cord injuries, stroke and concussion continue to be compromised years after their neurological events? Dr. Brown will lead us through his studies that focus on encouraging neuroplasticity to effect greater repair and regeneration after injury.

Dr. Arthur Brown is a Professor of Anatomy and Cell Biology at Western University and a Scientist at the Robarts Research Institute. He obtained his PhD in Medical and Molecular Genetics from the University of Toronto and then studied nerve growth in embryos at the Salk Institute in San Diego. His laboratory is focused on developing strategies to improve regeneration in the injured nervous system.

Nov. 8: Sleep and the Rhythm of Life

The human brain is the most complex known machine in the universe, yet it shuts itself off from the outside world each and every day, for hours on end. Why? Here we identify why rest and sleep evolved in humans and other living things, and how sleep rewires our brains daily to make us who we are.

Richard Horner, PhD, FCAHS is Canada Research Chair in sleep science, Professor of Medicine and Physiology at the University of Toronto, and elected Fellow of the Canadian Academy of Health Sciences. He has authored over a hundred research papers on sleep science and the book *The Universal Pastime: Sleep and Rest Explained*.

Nov 15: The Evolving Landscape of Cannabis in Canada

Dramatic changes in the regulation of cannabis have taken place recently most notably its legalization for non-medical purposes on October 17th, 2018. This lecture will review this changing landscape, the risks and harms associated with cannabis, and its potential applications as a medical treatment.

James MacKillop, PhD, is an active researcher and a professor in the Department of Psychiatry and Behavioural Neurosciences, McMaster University & St. Joseph's Healthcare Hamilton. He is the inaugural holder of the Peter Boris Chair in Addictions Research, and Co-Director of the Michael G. DeGroot Centre for Medicinal Cannabis Research.

Nov 22: My pain – it's personal!

We all feel pain but our individual experiences are our own. The same stimulus (like a needle) can be experienced differently. People with chronic pain cope and endure at different levels. This lecture will discuss new findings emerging from brain imaging studies that reveal the reasons for these differences, and the ways we can use this information to develop a personalized approach to pain management.

Karen Davis, PhD is a neuroscientist studying the mechanisms underlying pain. She is a professor and senior scientist at the University of Toronto and the Krembil Brain Institute. Her work over the last 30 years has shaped thinking about pain, the brain, and neuroethics. She has been inducted into the Johns Hopkins Society of Scholars and the Canadian Academy of Health Sciences, and is President-Elect of the Canadian Pain Society.

WINTER COURSE 2020

Jan 10, 17, 24, 31, Feb 7, 14

WATER ISSUES IN ONTARIO

Water is an absolute necessity for life on earth, but reckless consumption and mismanagement has created a global crisis. This course will focus on the complex issues, dynamics, and techniques of managing water as a finite resource on a global and local scale.

Jan 10: Ontario's Hydrology

This introductory lecture will provide an overview of the course- the why, what, when, where and how of global water issues. Special focus is on the science of hydrological cycle, cryosphere- snow and ice, impacts of climate change and a case-study of Southern Ontario.

Guest Lecturer **Dr. Ellsworth LeDrew**, Distinguished Professor Emeritus, University of Waterloo.

Jan 17: Surface Water

A look at how we use surface water in municipal, agricultural, and industrial sectors. We will also learn about the pathways of pollutants, water filtration and wastewater treatment facilities. Our focus will be on the lakes and rivers of Ontario.

Jan 24: Groundwater and Aquifers- Are they at risk?

Groundwater is an essential source of freshwater for Ontario residents especially in rural areas. To understand the complexity of groundwater, we will examine the hydrogeological systems, policies, governance and management with the case-study of Nestle water takings.

JAN 31: The Legal Framework for Water Management and Governance.

Water governance and management is a complex system of infrastructure, legislations and policies. A look at Ontario's Clean Water Act, Source Water Protection Act and other legislations.

Feb 7: Hydrometereological and Biological Events

Weather, water and disease related disasters will be examined especially in the context of climate change. Issues include drought, flooding, contaminants and health impacts. A case-study of the Grand River flood management will be discussed.

GTLI COURSE REGISTRATION

Dates and Information

2019 - 2020

Ticket Prices:

Perspectives (4 independent lectures)	\$35
Fall Course (6 lectures)	\$50
Winter Course (6 lectures)	\$50
Spring Course (6 lectures)	\$50

Register and Pay Online at www.gtlli.ca

TICKET SALES START...

GTLI Volunteers.....	9 am Monday June 3
All Members.....	9 am Monday June 10
General Public.....	9 am Monday June 17

Please Note:

- Register Promptly: Space is Limited.
- No individual tickets sold (except for walk-ins).
- We accept Visa, MasterCard, American Express, and prepaid Visa gift cards (no refunds).
- Walk-In tickets on the day of the lecture as space permits: \$10 cash
- Your personalized tickets for all subscribed lectures will be available for pick up the first time you attend a lecture.

**ALL LECTURES ARE HELD FRIDAY
MORNINGS FROM 10 AM TO 12 NOON
At New Life Church,
28 Tracey Lane, Collingwood,
east off Hurontario, north of Poplar SR**

WINTER COURSE 2020

continued...

Feb 14: Water issues in the Georgian Triangle

Collingwood harbour was listed as one Area of Concern (AOC) by Environment Canada. In 1994 this area was the first one to be delisted. Are the problems resolved? What are the major concerns of this region now? We will look at problems such as declining lake levels, pollution, invasive species and fishery changes.

Dr. Romila Verma is an innovative teacher, researcher, speaker and author. She is one of the leading voices on global water issues. She lectures on water and environmental issues in the School of the Environment and Department of Geography at the University of Toronto. She is the Founder of the non-profit organization, Water Speaks. She is also the Co-Founder of Trans Africa Pipeline, an infrastructure project that will build and connect desalination plants on the East and West coasts of Africa to the Sahel desert region of central Africa.

SPRING COURSE 2020

March 27, April 3, 17, 24, May 1, 8.

CANADIAN FOREIGN POLICY: 1968-PRESENT

In 2015, Justin Trudeau declared that Canada was back on the world stage. Stephen Harper said the same thing in 2006. So had Paul Martin in 2003. Clearly, these prime ministers believed that Canadians wanted to be seen as active international players, and that Canada had somehow been neglecting its global responsibilities. Where did this belief come from? This course examines the foreign policy of our last six prime ministers and explores the impact of their decisions on how Canadians see themselves and their place in the world.

March 27: Pierre Trudeau, 1968-1984

With Trudeaumania sweeping the country, the new prime minister pledges to reimagine Canadian foreign policy and announces that Ottawa will recognize the People's Republic of China. President Nixon forces Ottawa to reconsider the Canadian economy's reliance on trade with the United States. Canada joins the G7. Trudeau returns, after a brief Conservative interlude, and launches a global peace initiative meant to promote nuclear disarmament.

April 3: Brian Mulroney, 1984-1993

Brian Mulroney wins the greatest majority in Canadian history, pledges "super relations" with the United States, and successfully negotiates the Canada-US Free Trade Agreement. The Cold War ends, resulting in a rare period of great power harmony and international activism. Canada emerges as an environmental leader, but the Department of National Defence is left in a sorry state.

April 17: Jean Chrétien, 1993-2001

Canada continues its activist ways on a limited budget. Foreign Minister Lloyd Axworthy's human security agenda sees his country leading global efforts to ban anti-personnel landmines and to protect civilians caught in the midst of armed conflict. Canada clashes with the United States over softwood lumber and split-run magazines, but the two states cooperate in Kosovo. This lecture ends with the events of 9/11.

April 24: Jean Chrétien and Paul Martin, 2001-2006

Jean Chrétien seeks to leave a legacy in Kyoto and Kananaskis. Canada says no to the second war in Iraq. Paul Martin says no to ballistic missile defence. In spite of these disagreements, Canada and the United States cooperate in Afghanistan and in efforts to launch a G20.

May 1: Stephen Harper, 2006-2015

Under Stephen Harper, Afghanistan takes centre stage. Canada withdraws from the Kyoto accord. The softwood lumber dispute is resolved, but the Keystone Pipeline issue is not. Canada becomes more outspoken in its support for Israel. The Conservatives launch an initiative to promote maternal, newborn, and child health. The Canadian Armed Forces intervene in Libya and against Daesh.

May 8: Justin Trudeau, 2015-???

Canada is back, but then Donald Trump arrives. NAFTA is renegotiated, but the process leaves bruises. Canada pledges to reinvest in national defence and to actively pursue its Feminist International Assistance Policy. Clashes with China and Saudi Arabia are noted and followed around the world. This lecture is subject to change...

Adam Chapnick is a professor of defence studies at the Royal Military College of Canada. He is located in Toronto, where he also serves as the deputy director of education at the Canadian Forces College. He holds a BA from Trent University, an MA in International Affairs from Carleton University, and a PhD in History from the University of Toronto. He gave a popular GTLLI lecture in September, 2017.

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