



Lakehead University R&I Week 2021

Monday, Mar 01

11:20 AM - 01:00 PM

R&I Week Opening Ceremonies

Keynote Bob McDonald: Surviving the Third Millennium

Andrew Dean

Vice President (Research and Innovation) and Professor of Mathematics, Lakehead University

Please join us on March 1, 2021 at 11:20 for the Opening Ceremonies of Research and Innovation Week 2021! Our Keynote speaker: Bob McDonald, Host of CBC's Quirks & Quarks: "Surviving the Third Millennium." About the Talk Climate change, water supply, droughts on the prairies, floods on the coasts, energy shortage, growing population, clones, computer kids... the future can look scary sometimes. Can we engineer our way through another thousand years of civilization? This optimist says yes, and Canada is in a position to lead the way. About the Speaker Bob McDonald is one of Canada's best-known science journalists, bringing science to the ...

Monday, Mar 01

01:00 PM - 07:30 PM

IGNITE Video #1 - Launch: Dr. Ahmed Elshaer

Safe remotely piloted aerial transportation between Canadian hospitals

Pre-recorded

About As Research & Innovation Week has moved to a virtual platform, the Economic Development and Innovation office's yearly event, IGNITE will showcase four research stories through short videos. Videos will be launched throughout R&I Week, each day during the week at 1:00pm on a number of Social Media platforms. Like and share these videos for a chance to win daily prizes. Visit Lakehead University Research & Innovation Weeks Twitter or Facebook to enter. These videos have been created in an effort to celebrate the ongoing research that is taking place on both campuses and we are very excited to share ...

Monday, Mar 01

05:00 PM - 06:00 PM

Arts to Change the World! Session 1

Pauline Sameshima

Canada Research Chair in Arts Integrated Studies, Lakehead University

About the Session Please join us in launching our internationally Juried Exhibition and our Featured Projects focused on the theme of Our Changing World! Select artist talks will happen on Monday, March 1st and on Wednesday, March 3rd. Host Dr. Pauline Sameshima is Professor, Canada Research Chair of Arts Integrated Studies and Curator of the LAIR Galleries. The gallery site is <https://galleries.lakeheadu.ca/>. Session 1 Presenters Matthew O'Reilly, Andrea Citlalli Acosta Gutierrez, Dr. Darlene St Georges, Sandra Johnstone, Dr. Max Haiven, Cassie Thornton, Dr. Barbara Bickel, Dr. Morna McDermott, McNulty, In a Storm by Dr. Bill Zuk

Monday, Mar 01

07:00 PM - 08:25 PM

Hotter and Sicker: Climate Change, Human Health, and the Tangled Evolutionary Roots of Our Species' Dependence on External Energy

Science and Environmental Studies Speaker Dr. Herman Pontzer, Duke University

Todd Randall

Dean, Faculty of Science and Environmental Studies, Lakehead University

About the Speaker Herman Pontzer, Ph.D., Associate Professor of Evolutionary Anthropology and Research Associate Professor of Global Health at Duke University, investigates energy expenditure and evolution in humans and other apes. Through laboratory and field studies, Dr. Pontzer's work seeks to understand how our bodies evolved and how our deep past shapes our lives today. He and colleagues conducted the first measurements of daily energy expenditure in traditional hunter-gatherers, the Hadza of northern Tanzania. Surprisingly, despite lifestyles that are incredibly active, Dr. Pontzer and colleagues found that hunter-gatherers expend the same number of calories each day as sedentary Westerners. He is ...

Tuesday, Mar 02

10:00 AM - 12:00 PM

Undergraduate Student Conference Poster Competition

Live Chat

Live Chat A live chat is an opportunity for Undergraduate Students to answer questions regarding their poster presentation. A session will not be taking place here but please take this invitation to visit the Presentation Page in the menu. A green circle around the members thumbnail image will indicate they are available for a live chat. About the Event The Undergraduate Student Research Conference celebrates the contributions of emerging researchers at Lakehead University. This conference provides an opportunity for undergraduate students to present, virtually, a poster or an oral presentation on a research project they are working on or have completed, while engaging ...

Tuesday, Mar 02

10:00 AM - 11:30 AM

Panel Discussion: Strengthening Indigenous Health Research through Meaningful Relationships

The Role of Research and Innovation in Achieving UN Sustainable Development Goals

Carrie Gibbons

Chi Cheng

Esme French

Lana Ray

Michel Bedard

Paul Francis

This year's Research Showcase highlights how Lakehead University research projects, innovative collaborations and initiatives are playing a role in the achievement of the UN's 17 Sustainable Development Goals. About the Session St. Joseph's Care Group offers unique opportunities for Indigenous health research collaborations. Hear from researchers who have partnered with St. Joseph's Care Group, and learn about opportunities for Indigenous-focused research within the areas of mental health, rehabilitation, and long-term care. An overview of the research supports offered by St. Joseph's Care Group will also be provided. Panelists Dr. Michel Bédard, Dean, Faculty of Health and Behavioural Sciences, Lakehead University Paul Francis, ...

Tuesday, Mar 02

12:00 PM - 01:30 PM

Keynote Panel Discussion: The Role of Research as an Agent in Climate Action Initiatives

The Role of Research and Innovation in Achieving UN Sustainable Development Goals

Adam Cornwell

Andrew Dean

Vice President (Research and Innovation) and Professor of Mathematics, Lakehead University

Dr. Ellen Field

Assistant Professor, Lakehead University

Ledah McKellar

Sustainability Coordinator, Lakehead University

Lindsay Galway

Summer Stevenson

About the Session/Panelists Aligned with this year's Research and Innovation Week theme "Our Changing World", this year's Research Showcase highlights how Lakehead University research projects, innovative collaborations and initiatives are playing a role in the achievement of the United Nations 17 Sustainable Development Goals (SDGs). Join Dr. Andrew P. Dean, Vice-President Research and Innovation as he explores how research is being used as an agent for Climate Action Initiatives in Canada. He will be joined by Dr. Ellen Field, Faculty of Education (Orillia Campus), Dr. Lindsay Galway, Canada Research Chair in Social-Ecological Health (Faculty of Health and Behavioural Sciences), Dr. Adam ...

Tuesday, Mar 02

01:00 PM - 11:59 PM

IGNITE Video #2 - Launch: Dr. Aislin Mushquash

Getting youth the help they need when they need it! Increasing access to evidenced-based e-mental health care with the JoyPop™ smartphone app

Pre-recorded

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Tuesday, Mar 02

01:45 PM - 03:15 PM

Panel Discussion: Turtle Conservation in Ontario: Challenges & Opportunities in a Rapidly Changing World

The Role of Research and Innovation in Achieving UN Sustainable Development Goals

Linda Rodenburg

Director, Community Engagement and Lifelong Learning (CELL), Lakehead University

Sara Solaimani-Baghainia

Public Outreach and Education Officer, Parks Canada

Stephen Hecnar

Todd Randall

Dean, Faculty of Science and Environmental Studies, Lakehead University

Tricia Robins

Aligned with this year's Research and Innovation Week theme "Our Changing World", this year's Research Showcase highlights how Lakehead University research projects, innovative collaborations and initiatives are playing a role in the achievement of the United Nations 17 Sustainable Development Goals (SDGs). Panelists: Tricia Robins, Park Ecologist, Parks Canada - Bruce Peninsula National Park Sara Solaimani-Baghainia, Public Outreach Education Officer, Parks Canada - Georgian Bay and Ontario East Field Unit Dr. Stephen Hecnar, Professor & Researcher, Department of Biology, Lakehead University Dr. Linda Rodenburg, Director, Community Engagement & Lifelong Learning, Lakehead University Moderator: Dr. Todd Randall, Dean, Faculty of Sciences ...

Tuesday, Mar 02

03:30 PM - 04:30 PM

Presentation: Current research at the IISD-Experimental Lakes Area

The Role of Research and Innovation in Achieving UN Sustainable Development Goals

Mike Rennie

Vince Palace

Aligned with this year's Research and Innovation Week theme "Our Changing World", this year's Research Showcase highlights how Lakehead University research projects, innovative collaborations and initiatives are playing a role in the achievement of the United Nations 17 Sustainable Development Goals (SDGs). About the Session For more than 50 years, the IISD-Experimental Lakes Area in Northwestern Ontario has studied whole lakes and their watersheds to understand how human populations affect our freshwaters. This globally unique organization continues to tackle important issues like habitat restoration, plastics, oil spills, climate change and pharmaceuticals all while focusing on non-invasive monitoring techniques. Speaker Dr. Vince Palace, ...

Tuesday, Mar 02

05:00 PM - 06:00 PM

3 Minute Thesis Finalists

Graduate Student Thesis Competition

Allison Whatley-Doucet

Trish Sokoloski

Lakehead University - Graduate Studies

About the Event Finalists of the 3 Minute Thesis Competition will present their work live! Graduate students' pre-recorded theses are available to watch all week in the Presentation Portal.

Wednesday, Mar 03

10:00 AM - 12:00 PM

Graduate Student Poster Competition

Live Chat

Students from all graduate programs are invited to present their research and compete with their program colleagues in a poster presentation virtual format. A live chat is an opportunity for Graduate Students to answer questions regarding their poster presentation. A session will not be taking place here but please take this invitation to visit the Presentation Page in the menu. A green circle around the members thumbnail image will indicate they are available for a live chat. Note: The posters will be available to view all week long. Game Code: One or more students will have a code on their page. Will you ...

Wednesday, Mar 03

10:00 AM - 11:30 AM

Panel Discussion: New Immigrants: Health, Employment and Research Challenges

The Role of Research and Innovation in Achieving UN Sustainable Development Goals

Kathy Sanderson

Assistant Professor, Lakehead University

Manal Alzghoul

Pauline Sameshima

Canada Research Chair in Arts Integrated Studies, Lakehead University

Stacey Parks

Coordinator, Northwestern Ontario Local Immigration Partnership

Vicki Blanchard

Economic Development Manager, Municipality of Sioux Lookout

Aligned with this year's Research and Innovation Week theme "Our Changing World", this year's Research Showcase highlights how Lakehead University research projects, innovative collaborations and initiatives are playing a role in the achievement of the United Nations 17 Sustainable Development Goals (SDGs). Game Code #SDGAbout the Session This session will explore current research on New Immigrant populations in Northern Ontario, with a focus on injury, mental health, welcoming, and employment. A discussion of research challenges will also be included. The panel includes both researchers and community partners. Panelists Dr. Kathy Sanderson, Assistant Professor, Faculty of Business Administration, Lakehead University Dr. Manal Alzghoul, ...

Wednesday, Mar 03

01:00 PM - 11:59 PM

IGNITE Video #3 - Launch: Dr. Kathy Sanderson

Employing New Immigrants: Community and Organizational Inclusion Challenges in Northwestern Ontario

Pre-recorded

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Wednesday, Mar 03

01:00 PM - 02:30 PM

Undergraduate Student Conference Oral Presentations Session 1

AboutThe Undergraduate Student Research Conference celebrates the contributions of emerging researchers at Lakehead University. This conference provides an opportunity for undergraduate students to present a poster or an oral presentation on a research project they are working on or have completed, while engaging in scholarly debate with their peers. Students enrolled in any undergraduate discipline who are currently working on, or have completed, a research paper or project, having taken a leadership role in its development and execution, are invited to present an original poster or oral presentation. Proposals can be discipline-specific or multi-disciplinary.

Wednesday, Mar 03

01:45 PM - 03:15 PM

Panel Discussion: Unmasking the Infodemic: Research in/on Social Media and Algorithms

The Role of Research and Innovation in Achieving UN Sustainable Development Goals

David van Dyke

lowyth Witteman

Michael Hoechsmann

Miranda McKee
Student, Lakehead

Sandra Jeppesen

Aligned with this year's Research and Innovation Week theme "Our Changing World", this year's Research Showcase highlights how Lakehead University research projects, innovative collaborations and initiatives are playing a role in the achievement of the United Nations 17 Sustainable Development Goals (SDGs). About the SessionAlongside the COVID-19 pandemic is a divisive, attention-grabbing, obsession-inducing infodemic. Moving beyond the discourse of fake vs real news, we probe the relative invisibility of algorithms and the hidden-in-plain-sight codes and conventions of old and new media to provide some perspectives and frames for understanding major news events of 2020. Panelists Dr. Michael Hoechsmann, Associate Professor, Faculty ...

Wednesday, Mar 03

03:00 PM - 04:30 PM

Undergraduate Student Conference Oral Presentations Session 2

AboutThe Undergraduate Student Research Conference celebrates the contributions of emerging researchers at Lakehead University. This conference provides an opportunity for undergraduate students to present a poster or an oral presentation on a research project they are working on or have completed, while engaging in scholarly debate with their peers. Students enrolled in any undergraduate discipline who are currently working on, or have completed, a research paper or project, having taken a leadership role in its development and execution, are invited to present an original poster or oral presentation. Proposals can be discipline-specific or multi-disciplinary.

Wednesday, Mar 03

03:30 PM - 05:00 PM

Panel Discussion: International Transfer of Educational Programming Across Small States of the Commonwealth

Considerations for Online Pedagogies of Youth Work Curriculum

Deepak Bhartu

Gary Pluim

Jacob Kearey-Moreland

Mr., Lakehead

Kirk Perris

Mairette Newman

Mervyn Broderick

Aligned with this year's Research and Innovation Week theme "Our Changing World", this year's Research Showcase highlights how Lakehead University research projects, innovative collaborations and initiatives are playing a role in the achievement of the United Nations 17 Sustainable Development Goals (SDGs). About the Session Transferring educational practices between countries is an effective means to achieve educational goals but is fraught with concerns. This panel brings together members from the Commonwealth of Learning, University of the South Pacific, and Lakehead University for a discussion about experiences with transferring youth work microcredential between small states. Panelists Dr. Kirk Perris, Advisor, Education, Commonwealth of ...

Wednesday, Mar 03

05:00 PM - 06:00 PM

Arts to Change the World! Session 2

Pauline Sameshima

Canada Research Chair in Arts Integrated Studies, Lakehead University

About the Session Please join us in launching our internationally Juried Exhibition and our Featured Projects focused on the theme of Our Changing World! Select artist talks will happen on Monday, March 1st and on Wednesday, March 3rd. Host Dr. Pauline Sameshima is Professor, Canada Research Chair of Arts Integrated Studies and Curator of the LAIR Galleries. The gallery site is <https://galleries.lakeheadu.ca/>. Session 2 Presenters Dr. Joe Norris Dr. Celeste Snowber Robin Faye Tashya Orasi Dr. Jeff Adams Marti McGinnis Holly Tsun Haggarty Dr. Robert Kull In a Storm by Dr. Bill Zuk

Wednesday, Mar 03

07:00 PM - 08:30 PM

Global Indigenous Speaker Series - Mirrwana & Wurrkama Theory: an Indigenist Research Methodology

Presentation by Dr. Linda Payi Ford

Denise Baxter

Vice Provost Indigenous Initiatives, Lakehead University

About the Speaker Dr. Linda Payi Ford is a Traditional Owner Rak Mak Mak Marranunggu woman from Kurrindju. Ford's country is Kurrindju in the Finnis River and Reynold River regions southwest of Darwin in the Northern Territory, Australia. Associate Professor Ford is a Principal Research Fellow in the Northern Institute in the College of Indigenous Futures, Arts and Society located in Darwin, Northern Territory, Australia. She applies her Mirrwana and Wurrkama (2005) methodology to her Indigenous research practice and theory across multiple disciplinary fields. Ford balances her academic research career, teaching and learning in higher education, family and caring for country ...

Thursday, Mar 04

10:00 AM - 11:00 AM

Mind, Self, Society and Nature? How Ecological Critique is Transforming Interactionist Theory and Research Game Code #TONY

Presentation by 2020 Distinguished Researcher: Dr. Tony Puddephatt

Sue Wright

Manager, Research Ethics, Lakehead University

About the Talk Symbolic Interactionism is one of the core traditional schools of thought in sociology. This tradition has often been criticized by proponents of the "new ecological paradigm," who argue that it fails to adequately account for nature, and is little help to the goals of environmental sociology. In response to this challenge, interactionists with environmental sensibilities (including myself) have begun to forge a more ecological framework for symbolic interactionism by re-engaging its pragmatist roots. I present this new framework, review some promising themes, and consider where we might go from here. Game Code #TONY About the Speaker Dr. Antony J Puddephatt is ...

Thursday, Mar 04

01:00 PM - 11:59 PM

IGNITE Video #4 - Launch: Dr. Chris Murray

How Lakehead University graduate students built a collaborative research network devoted to PPE from the ground up.

Pre-recorded

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Thursday, Mar 04

02:30 PM - 03:30 PM

An Alternative to Mammography or What a Physicist Can do for Healthcare

Presentation by 2020 Distinguished Researcher: Dr. Alla Reznik Game Code #ALLA

Alla Reznik

Professor, Lakehead University

Sue Wright

Manager, Research Ethics, Lakehead University

About the Talk Since most breast cancer deaths are due to progressive invasive disease, the ability to detect pre-invasive lesions is an important public health problem. The research in my group will lead to the clinical implementation of a low-cost, low-dose Positron Emission Mammography (PEM) imager which will increase the ability of physicians to detect and treat pre-invasive breast cancers thus avoiding the more expensive treatment of patients with potentially metastatic disease. Our goal is to advance the field of breast cancer detection beyond the current standard of care particularly for those women who are at high risk of breast ...

Thursday, Mar 04

05:00 PM - 06:30 PM

16th Annual Research and Innovation Awards Ceremony

Andrew Dean

Vice President (Research and Innovation) and Professor of Mathematics, Lakehead University

The Research & Innovation Awards of Excellence Ceremony will be held on Thursday, March 4, 2021 from 5:00pm - 6:30pm in a virtual format. During the reception, we celebrate Lakehead's outstanding researchers and students, as well as acknowledge our valued research partners and sponsors' contributions.

Friday, Mar 05

10:00 AM - 11:00 AM

Presentation: The Future of Carbon Capture: from Local Efforts to Global Aspirations

The Role of Research and Innovation in Achieving UN Sustainable Development Goals

Florin Pendea

Todd Randall

Dean, Faculty of Science and Environmental Studies, Lakehead University

Aligned with this year's Research and Innovation Week theme "Our Changing World", this year's Research Showcase highlights how Lakehead University research projects, innovative collaborations and initiatives are playing a role in the achievement of the United Nations 17 Sustainable Development Goals (SDGs). About the Session Carbon sequestration - a solution to increasing greenhouse gas emissions across the globe - has emerged as a top scientific priority for nations grappling with the severe consequences of a warming planet. A recent Lakehead partnership sought to approach the issue at a local scale while looking towards the future of a global effort. Speaker Dr. ...

Friday, Mar 05

12:00 PM - 01:30 PM

Panel Discussion: Developing a Voluntary Local Review Process for Sustainable Development Goals in Thunder Bay

The Role of Research and Innovation in Achieving UN Sustainable Development Goals

Albert Brule

Bonnie Krysovaty

Helle Moller

Jacob Porter

Lee-Ann Chevrette

Rebecca Schiff

This year's Research Showcase highlights how Lakehead University research projects, innovative collaborations and initiatives are playing a role in the achievement of the UN's 17 Sustainable Development Goals. About the Session This panel features members of the Thunder Bay Voluntary Local Review (VLR) Working Group, who represent a range of government and non - profit organizations, and researchers from Lakehead University. Panelists will describe the background to the project, importance of the VLR for the Thunder Bay region, activities to date and next steps. Panelists Dr. Rebecca Schiff, Associate Professor, Department of Health Sciences, Lakehead University Dr. Helle Møller, Associate Professor, Department ...

Friday, Mar 05

01:45 PM - 03:15 PM

Panel Discussion: Sustainability Stories: Digital Storytelling across Lake Superior

The Role of Research and Innovation in Achieving UN Sustainable Development Goals

David Greenwood

Gavin Shields

Ledah McKellar

Sustainability Coordinator, Lakehead University

Lindsay Galway

Rachel Portinga

Aligned with this year's Research and Innovation Week theme "Our Changing World", this year's Research Showcase highlights how Lakehead University research projects, innovative collaborations and initiatives are playing a role in the achievement of the United Nations 17 Sustainable Development Goals (SDGs). About the Session Screening of four short videos about different sustainability projects around Thunder Bay which are part of the Lake Superior Living Labs Network. Each video prompts discussion about sustainability engagement, and those involved in the projects will be in a panel following the screening. Click on each of the titles below to watch the videos in advance to ...