



Lakehead

UNIVERSITY

Research, Economic Development and Innovation

Sheila Young

Research & Strategic Initiatives Facilitator

orillia.research@lakeheadu.ca

March 2021

Lakehead University

Two campuses: Thunder Bay and Orillia



Thunder Bay campus



Orillia campus

**Over 300 Faculty and approximately 9000
undergraduate and graduate students**

Mission

To contribute to, and support, the social and economic prosperity of Simcoe County through research, education, knowledge transfer, the training of highly-qualified personnel, commercialization, and Centres of Excellence.

Strategic Research Priorities

- Informatics, New Materials and Technologies
- Cultures, Societies, and Social Justice
- First Nations, Métis, and Inuit Research
- Health and Well-Being
- Sustainability, Resources, and the Environment

Some highlights:

DYK over the past 15 years, total research funding increased by 143% at Lakehead University?
Lakehead offers opportunities for industry to access researchers in both Simcoe County and Thunder Bay.



Lakehead's Computer Science program has been recognized as one of the top computer science programs in Canada. The program is offered right here in @simcoecounty through the Lakehead-Georgian Partnership

DYK: @lakeheadorillia and @georgiancollege offer innovative, four-year combined degree-diploma programs through the Lakehead-Georgian Partnership including Central Ontario's only electrical engineering degree? www.lakeheadgeorgian.ca.

Some of Lakehead's Research Centres are:

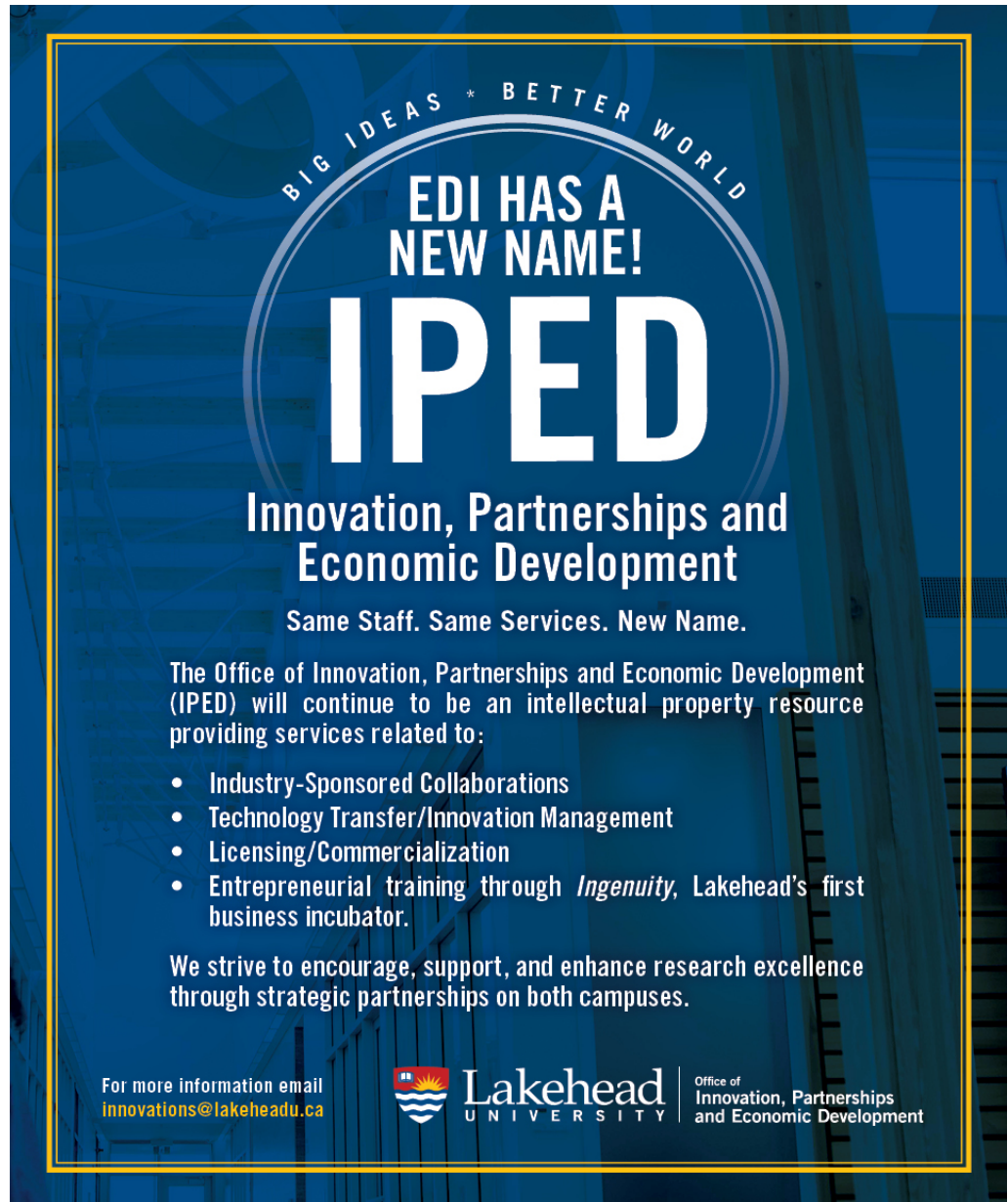
Lakehead University
Centre for Analytical
Services

Green Processes
Research Centre

Biorefining Research
Institute

Research Centre for
Sustainable Communities

Wood Science Testing
Facility



BIG IDEAS * BETTER WORLD

**EDI HAS A
NEW NAME!**

IPED

**Innovation, Partnerships and
Economic Development**


Same Staff. Same Services. New Name.

The Office of Innovation, Partnerships and Economic Development (IPED) will continue to be an intellectual property resource providing services related to:

- Industry-Sponsored Collaborations
- Technology Transfer/Innovation Management
- Licensing/Commercialization
- Entrepreneurial training through *Ingenuity*, Lakehead's first business incubator.

We strive to encourage, support, and enhance research excellence through strategic partnerships on both campuses.

For more information email
innovations@lakeheadu.ca

 **Lakehead**
UNIVERSITY

Industry Research Partnerships

Collaborative relationships between Lakehead researchers, industry partners and funding agencies

- Finding solutions to real world challenges together
- Experiential and practical work opportunities for students

<https://www.lakeheadu.ca/research-and-innovation/iped/iped-industry-relationships>

Dr. Chris Murray & True North Creative Printed Plastics – PPE



Dr. Ahmed Alshaer & Aurora Aerial – DRONES



Spotlight: Computer Science & Electrical Engineering

- Dr. Waleed Ejaz
 - Sensor & IIOT
- Dr. Salimur Choudury
 - AI for Quality Inspection & Assurance in Manufacturing
 - Drone (UAV) Intelligence applications
 - Smart Manufacturing & Energy Management



How Lakehead can support you

- Share specific research ideas or goals that require collaboration, development and testing
- Facilitate meetings with researchers
- Understand and share funding programs that promote partnerships to support collaboration
- Talent Development through Undergraduate and Graduate programming and experiential opportunities
- Provide access to lab services
- Participate in regional ecosystem initiatives

Funding Sources

- Innovation Canada
- MITACS – Accelerate, AI program, Elevate, 2 new programs they are working on
- NSERC Alliance & NSERC Create
- NRC IRAP
- OCI - Ontario Centre of Innovation, formerly OCE
- SOSICIP – current call for CLEANTECH proposals
- Southwestern Ontario Development Fund
- nGen Manufacturing SuperCluster



Leading through Unprecedented Times: A panel discussion

Hosted by the Executive Leadership
Program, brought to you by Lakehead
University and Georgian College

VIRTUAL SERIES

Leading through Unprecedented Times

March 30 | 1 to 2 p.m.

Virtual platform | Zoom

The Covid-19 crisis challenges leaders in unique ways, but the lessons learned will serve us for years to come. Learn how local leaders navigate the pandemic while maintaining the strength and reputation of their organizations.

PANEL:

CARMINE STUMPO
President and CEO, Orillia Soldiers'
Memorial Hospital

CLAUDINE COUSINS
Chief Executive Officer,
Empower Simcoe

DAVID COWARD
Vice President, Human Resources,
Georgian College

STEPHANIE DIMECH (MODERATOR)
Dean, Human Services and
Community Safety, Georgian College

REGISTER TODAY!
bit.ly/ELPseries1

Sheila Young
Research & Strategic
Initiatives Facilitator

orillia.research@lakeheadu.ca

(705) 330-4008 ext 2022



EXCEPTIONAL. UNCONVENTIONAL.