GROUNDBREAKING RESEARCH IN WATERLOO’S 40+ INTERDISCIPLINARY CENTRES AND INSTITUTES IS ENABLING THE UNIVERSITY TO PUSH THE BOUNDARIES OF THE POSSIBLE

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WATERLOO INTERNATIONAL | uwaterloo.ca/international
200 University Avenue West, Waterloo, ON, Canada N2L 3G1
Waterloo researchers are redefining current understanding of the physical world and applying this knowledge to the creation of advanced materials and systems.

**DISCOVERY AND DESIGN OF MATERIALS AND SYSTEMS**
- World-leading researchers are redefining current understanding of the physical world and applying this knowledge to the creation of advanced materials and systems.
- Centre for Advanced Materials Joining
- Centre for Advancement of Trenchless Technologies
- Centre for Pavement and Transportation Technology
- Institute for Quantum Computing
- Waterloo Centre for Automotive Research
- Waterloo Institute for Nanotechnology

**ENVIRONMENT AND ENERGY**
Researchers across various disciplines are collectively addressing how issues such as climate change, food systems, ecological restoration and urban planning impact sustainable energy as well as policies and practices for sustainable societies.
- Centre for Control of Emerging Contaminants
- Centre for Ecosystem Resilience and Adaptation
- Interdisciplinary Centre on Climate Change
- Water Institute
- Waterloo Centre for Automotive Research
- Waterloo Centre for Groundwater Research
- Waterloo Institute for Sustainable Energy

**MANUFACTURING AND DEVICES**
Waterloo is enhancing industrial innovation and leading the way to a renewed future for manufacturing and devices which will revolutionize sectors heavily dependent on manufacturing.
- Centre for Intelligent Antenna and Radio Systems
- Institute for Polymer Research
- Waterloo Centre for Automotive Research

**ENVIRONMENT AND WELL-BEING**
Waterloo is enhancing quality of life across the lifespan through technologies that improve diagnostic procedures and drug design, finding solutions to health system challenges, researching children’s learning and development and improving care for older adults.
- Centre for Bioengineering and Biotechnology
- Canadian Index of Wellbeing
- Centre for Child Studies
- Centre for Contact Lens Research
- Centre for Mental Health Research
- Centre for Nanomedicine and Computational Medicine
- Centre for Neuroscience
- Institute for Biochemistry & Molecular Biology
- Centre for Theoretical Neuroscience
- Institute for Biochemistry & Molecular Biology
- Propel Centre for Population Health Impact
- Schlegel-UW Research Institute for Aging
- Southwestern Ontario Research Data Centre

**INFORMATION AND COMMUNICATION TECHNOLOGY**
Waterloo is enabling the digital revolution by improving existing technologies and embracing the discovery of new knowledge to develop new and innovative state-of-the-art technologies.
- Centre for Applied Cryptographic Research
- Centre for Intelligent Antenna and Radio Systems
- Centre for Wireless Communications
- Cryptography, Security and Privacy (CrySP) Group
- Games Institute

**MATHEMATICAL SCIENCES AND COMPUTER SCIENCE**
With its outstanding record of integrating theoretical developments, Waterloo is connecting theory with real applications and creating sophisticated mathematical and computational methodologies and tools.
- Centre for Accounting Research & Education
- Centre for Computational Mathematics in Industry and Commerce
- Centre for Education in Mathematics & Computing
- Institute for Computer Research
- University of Waterloo Centre for Pattern Analysis and Machine Intelligence
- Waterloo Research Institute on Insurance, Securities and Quantitative Finance

**SOCIETY, CULTURE, AND GOVERNANCE**
Waterloo researchers are supporting change by investigating thought and behaviour and examining quality of life in order to understand society, culture and governance.
- Basilica School of International Affairs
- Canadian Centre of Arts & Technology
- Centre for Cultural Management
- Centre for Global Governance Research
- Centre for Mental Health Research
- Chanchlani India Policy Centre
- Conrad Business, Entrepreneurship and Technology Centre
- Games Institute
- Waterloo Centre for German Studies
- Waterloo Institute for Hellenistic Studies
- Waterloo Institute for Social Innovation and Resilience

**QUANTUM INFORMATION AND NANOTECHNOLOGY**
Advancements in quantum information and nanotechnology are transforming the next generation of information technologies and will have a significant and broad societal impact.
- Institute for Quantum Computing
- Waterloo Institute for Nanotechnology

**RESEARCHERS ARE USING 3D PRINTING TECHNOLOGY TO PRODUCE PARTS SUCH AS BONE REPLACEMENTS**

**FOR MORE INFORMATION, GO TO UWaterloo.ca/Research/Centres-and-Institutes**