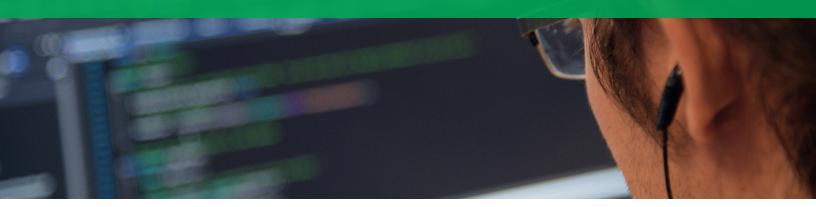
CYBERSECURITY



PROFILE OF THE UNIVERSITÉ DE SHERBROOKE

Location: Sherbrooke, Quebec

Founded: 1954

Research groups: 120

People working in research: 6 112

Total research income: 205,2 M\$

 Faculties: 8, including 5 working on different aspects of cybersecurity

• Students: **31 622**

The **Université de Sherbrooke** is a leader in research and innovation in the field of wireless telecommunications. It conducts various research projects and innovative knowledge transfer to develop technological solutions in cybersecurity.



WHAT SET US OUT

- Applied research according to the needs of our partners, a culture of partnership ranging from co-op interns to postdoctoral students.
- Knowledge transfer to workplace professionals and complementary expert training.
- Interdisciplinary team from the School of Business and of the faculties of Law, Engineering, Medicine and Health Sciences, Humanities and Sciences.
- Availability of infrastructures to test cybersecurity innovations, such as the 5G network and high-performance computers.
- Ability to respond to partners' needs on current and future cyber security issues with a comprehensive and in-depth understanding of the field.

SPECIALIZATIONS IN CYBERSECURITY

- Cyber attacks in power generation and distribution systems
- Management of the internal threat and associated financial crime
- Digital identity management
- Evolution of Cryptography in a Quantum Era
- Advanced intrusion detection techniques
- Training in governance, audit, and security by the School of Business
- Training of professionals in this field through the multiple programs of the Information Technology Training Center (CeFTI) and its Cyber Security Summer School



CORPORATE PARTNERS

- National Bank
- Desjardins
- Cybereco
- Deloitte
- Sherweb
- Hydro-Sherbrooke

- GoSecure
- Interdisciplinary Research Group in Health Informatics (GRIIS)
- Menya Solutions
- IBM





KEY FACILITY

PINQ (DIGITAL AND QUANTUM INNOVATION PLATFORM)

A high-performance computing infrastructure complemented by access to a set of professional software solutions and highly qualified human resources, with a focus on fostering partnerships between industry and universities/CEGEPs.

KEY EXPERTISES

- Chamberland-Tremblay, Daniel: Business intelligence, security management
- Frappier, Marc: Intrusion detection system, formal methods in software engineering, access control, vulnerability testing
- **Girard, Gabriel**: Security systems
- Guillemette, Manon Ghislaine: Cybersecurity governance, ethics and data, human aspects of cybersecurity
- Kabanza, Froduald: Artificial intelligence, detection of a cyber attacker's intention, intrusion detection system
- Loiseau, Hugo: Cybersecurity, cyberspace, societal impacts
- Mailhot, Frédéric: Digital circuit security, secure network protocols, authentication
- **Mignault, Patrick**: Corporate governance, technological risk management, financial sector regulation
- Moïse, Alexandre: Cognitive systems for cybersecurity, information visualization, situational awareness

- Nganyewou Tidjon, Lionel: Intrusion detection system, formal methods
- Oulai, Arthur: Legal aspects of cybersecurity, protection of personal information, dispute resolution
- Roy, Sébastien: 5G, Secure encryption, physical layer security
- Tardif, Pierre Martin: Intrusion detection system, artificial intelligence, time series
- Touchette, Dave: Impacts of quantum on cybersecurity, cryptography, quantum cryptography
- Zhang, Jianhai: Artificial intelligence, signal processing, time series

CONTACT

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Submit a project









