HIGHLIGHTS

1. IVY LYNN BOURGEAULT
   Capturing healthy and productive knowledge workers (CIHR/SSHRC partnership grant, 2016–2018)
   Research on improving the return-to-work experiences of professionals in health care, education, accounting and information technology that have experienced mental health and/or cognitive impairment issues.

2. FRANCOIS CHIOCCHIO
   Co-construction du processus de bilan comparatif des médicaments : une recherche collaborative sur une formation axée sur la reconnaissance des besoins et contributions des partenaires (Institut de recherche de l'Hôpital Montfort, 2016–2018)
   Conducted at Montfort Hospital, this research focuses on the collaborative work existing between healthcare providers, patients, family members and other caregivers to ensure medication information is communicated consistently throughout members of the care team. The project aims to develop a training program designed to recognize the needs and contributions of all members of the care team.

3. MAGDA DONIA
   Leading multicultural global virtual teams, or MGVTs (SSHRC – 2016–2020)
   Research on the functional leadership requirements of multicultural global virtual teams and the development of reliable and valid measurement tools.

4. DARLENE HIMICK
   Research on how individual investors, through shareholder engagement, attempt to influence the direction of corporations via their membership in pension plans.

5. TIEMEI (SARAH) LI
   Do operations in offshore financial centres blow the whistle on bank risks? (SSHRC – 2016–2018)
   Research on whether banks’ operations in offshore financial centres increase bank risk, and on the related economic consequences.
HIGHLIGHTS

6. **BIJAN RAAHEMI**
Mining of population-based routinely collected health data to determine risk factors associated with pediatric morbidity in Ontario, Canada (Mitacs – 2016–2019)
Research on the development of a predictive model for immune-mediated diseases in children. Predictive analytics tools will be applied to the Ontario health datasets.

7. **MIWAKO NITANI**
Financial crises, credit guarantees, and financing for small and medium-sized enterprises (SSHRC – 2015–2016)
Research on the efficacy of using loan guarantee programs to support business creation and growth in challenging economic times.

8. **GREG RICHARDS**
Enabling the agile organization: toward an integrated capability model for intelligent applications projects (National Capital Management Research Fund – 2016–2018 in collaboration with Stéphane Gagnon of Université du Québec en Outaouais and Alejandro Ramirez of Sprott School of Business at Carleton University)
Research on a model that will formalize intelligent applications project management and development methods.

9. **SANDRA SCHILLO**
New innovation indicators – integrating survey methodology with web-based data analytics (SSHRC – 2016–2018)
Research to investigate the potential of web-based indicators to capture corporate innovation. Collaboration with Statistics Canada will allow validation of new measures and integration into data collection practice.
STRATEGIC AREAS OF EXPERTISE

ENTREPRENEURSHIP AND INNOVATION

The Telfer School of Management is committed to building on the very latest research and insights in the field of entrepreneurship and innovation. We create knowledge and skills in support of the region’s entrepreneurial ecosystem, while aligning our research and academic programs to foster an entrepreneurial mindset in Telfer School graduates. We also use Telfer’s position in the Nation’s Capital to advance public policy dialogue on innovation at the federal level for maximizing the benefits derived from Canadian R&D.

HEALTH SYSTEMS MANAGEMENT

The Telfer School is in an excellent position to create innovative solutions to Canada’s healthcare challenges and to enrich the healthcare public-policy dialogue. Through the excellence of our research and graduate programs, we shape thinking on how management can reduce healthcare costs and improve patient outcomes, while creating and validating the management tools and processes that enable transformations. Our health systems management research is strengthened by long-standing relationships with the region’s research hospitals and with the University of Ottawa’s faculties of Medicine and Health Sciences.

BUSINESS ANALYTICS AND PERFORMANCE

One of the most valuable sources of management insight today is the innovative use of data. Our research recognizes that acquiring and developing advanced analytics tools is of critical importance to managers and the companies they lead. The ability to mine new insights from diversified datasets is a key ingredient for insightful managerial decision-making.
OUTSTANDING RESEARCH ACCOMPLISHMENTS

“Using feedback to improve teamwork in these contexts has yet to be fully explored.”

Professor Magda Donia

PROFESSOR MAGDA DONIA
Measuring Leadership in a Global Context

Culturally diverse and geographically dispersed, the realities of today’s work teams have led to much more complex work arrangements and questions for leadership. Magda Donia’s new study, “Leading multicultural global virtual teams,” provides a new foundation to address these challenges.

“For well over a decade, we’ve heard that fluency in virtual teamwork is rapidly becoming a must-have skill for job-seekers, even as cross-cultural competencies have also become very important,” says professor Donia of her project, which was recently awarded a grant from the Social Sciences and Humanities Research Council (SSHRC).

The implications for leadership in this trend towards ‘multicultural global virtual teams’ have not yet been fully explored.”

For a look at some of those implications, Donia and her colleagues will analyze data of teams working virtually, beginning with data from the X-Culture Project founded at the University of North Carolina. Every year as part of this project, randomly assigned teams of 4–5 MBA students from around the world are responsible for producing a group report based on a real business challenge.

Donia explains: “There are obviously some limitations in making strong comparisons between students and actual workers. However, the work design, communication tools, performance evaluation system and incentive structure used in the project nonetheless have a lot of comparability with real work settings.”

The researchers will identify leadership characteristics that encourage effective interdependence and cooperation as the teams work towards securing rewards and avoiding losses. Much as in an actual work setting, the researchers are also interested in how those attributes can evolve over time.

To this end, group leaders will provide self-report assessments of their behaviour and attributes, and team members will also rate the leader on these measures. An intervention centering on “upward feedback” from the team to the leader will also be introduced to enable study of the benefits of feedback on leadership and team performance over time.

While contributing to theory, the research also offers the potential to shape practice. “If we find, for example, that our intervention can reduce communication break-downs or encourage higher-performing teams, that would have relevance to global leader selection and training initiatives,” says Donia.

“We’re just at the beginning of an exciting phase of studies on what it means in practice for leaders to steer a team, communicate and adapt to change in this new environment.”
OUTSTANDING RESEARCH ACCOMPLISHMENTS

“IT’S NOT AN EITHER/OR ISSUE. INVESTOR CAN MAKE GUTSY DECISIONS AND STAY CLEAR OF THEIR PERSONAL RISK TOLERANCE LIMITS AND WORSE-CASE SCENARIOS.”

Professor Jonathan Li

PROFESSOR JONATHAN LI
Taking the Surprise out of Risk Management

Current risk management practice can come with unpleasant surprises – the result of excessive risk-taking and a false sense of security among investors. Quantitative finance experts, or “quants” as they are known in the trade, masked the true picture of financial risk in the run-up to the 2007–2009 financial crisis using models that failed to connect to human behaviour. With his studies focused on improving the conventional measures of risk, Professor Jonathan Li is among a handful of researchers seeking to close a significant gap between the theory and the practice of risk management in quantitative finance.

The crux of any financial risk management is reaching consensus about the tolerance for risk, whether between a money manager and an owner, a portfolio manager and a client, or a bank manager and a stakeholder. But it turns out that getting two parties to spell out what they actually mean by risk, let alone reach a consensus, is much harder than people realize. As the business press has also discovered, this problem continues to vex money managers and encourage future financial instability. So there’s an urgent need for a risk measure capable of reaching such a consensus.

“The development of a new risk measure must go beyond the conventional mathematical models,” says Li. “We are not throwing out the quants altogether; we’re saying their models don’t properly reflect people’s actual tolerance for risk. We really need to address this, or else we miss an opportunity to take the right lessons from the financial crisis.

“Instead of serving the purposes they were intended for, current risk-measurement models tend to do just enough to get by regulators. The financial industry’s position is ‘no risk, no return.’ But how do you define acceptable risk? We argue that risks should not come with so many unexpected surprises.”

What is claimed to be a risk-adverse solution may actually be a very risky one for a client, according to Li. So the critical question is how to elaborate a risk measure that reaches the limits of risk tolerance – but goes no further.

Using business analytics tools like optimization and statistical learning, Dr. Li and his colleague show for the first time that it is possible to account precisely for the risk tolerance of an investor when comparing and optimizing financial decisions. Their methodology, described in an article in the FT50 journal Management Science, presents the opportunity to make financial decisions better aligned with individuals’ risk tolerance.

Li acknowledges that in any situation where people must make decisions based on incomplete information, there is always a role for ‘gutsy decisions.’ But they need not be fraught with risk.

“It’s not an either/or issue,” says professor Li. “You can make gut-level choices and stay clear of your personal risk tolerance limits and worse-case scenarios.”
OUTSTANDING RESEARCH ACCOMPLISHMENTS

“Canada has made excellent strides in clinical innovation but falls short in regards to business of healthcare innovation.”

Professor Craig Kuziemsky

PROFESSOR CRAIG KUZIEMSKY
Seizing Opportunity in Healthcare Innovation

The University of Ottawa has awarded Professor Craig Kuziemsky a University Research Chair in Healthcare Innovation. The focus of his research will be the creation of a data-driven and team-enabling framework supporting healthcare innovation.

Professor Kuziemsky has seized on the opportunity created by rising healthcare costs, an aging population and the emergence of personalized medicine that calls for innovative research centered on creating value for patients and society.

“My work is about the business of healthcare,” Professor Kuziemsky says. “For me the business of healthcare is about the system that coordinates clinical services, tracks patient pathways and illnesses over time, and shares information and data across different providers.

“In Canada we’ve made excellent strides at clinical innovation, but we fall short in regards to business of healthcare innovation. This holds back transformative initiatives like collaborative care delivery, chronic disease management, and patient-centered care. We require innovative solutions to redefine the rules of how healthcare is managed to support these new paradigms.”

The central theme of Kuziemsky’s research is the move from individual workflows characterized by provider-centered practices into a patient-centered collaborative teamwork. As increasing complexity in patient care demands the involvement of multiple providers across multiple clinical sites, a lack of coordination has been identified as a core issue hampering healthcare reform.

“We need to innovate to break silos down and make collaborative teams of providers work successfully. The provision of safe and efficient patient-centred care requires individuals to step outside their silos and become integrated into collaborative teams.”

Getting there requires an understanding of how providers and clinical processes interact with information, Kuziemsky cautioned, highlighting the interdisciplinary character of his research. “The business of healthcare is about patient safety, collaborative care delivery, and the inclusion of best evidence into everyday practice. It cannot be implemented just with technology; it calls for change management and a multi-faceted approach.”

Sustainable healthcare in the 21st century isn’t strictly a medicine challenge, but neither is it purely an analytics or information science challenge, Kuziemsky notes.

“The business of healthcare really requires that management insight: taking what we know from business, and using it in an innovative way to provide better health at a better value for Canadians.”
The impact of Telfer School research is growing. As illustrated, the number of citations received in peer-reviewed journal publications has more than doubled in five years. Telfer’s researchers’ ability to develop new knowledge and shape the field of management research continues to increase.

RESEARCH FUNDING

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* Data from January 2015 to December 2016
RESEARCH BASED GRADUATE PROGRAMS

DOCTORAL PROGRAM IN MANAGEMENT

Doctoral Program enables students to develop research skills and critical thinking in broad areas of management. The program is preparing a new generation of forward-looking scholars to confront complex management issues, whether in academia, in industry, in the public sector, or in not-for-profit organizations. The program is offered in the fields of Accounting and Control, Entrepreneurship, Finance, Health Systems, and Organizational Behaviour and Human Resources Management.

MASTER OF SCIENCE IN MANAGEMENT

The MSc in Management provides opportunities to develop strong research skills in order to explore diverse managerial problems. The program equips students to provide research-informed solutions to help firms grow, prosper and create value. Telfer School graduates are sought after in academia and industry alike for the knowledge and the research skills they acquire. The MSc in Management offers an entrepreneurship, an innovation and a finance stream, and the opportunity to undertake in-depth study in strategy, marketing, organizational behaviour, human resources, business analytics, accounting and finance.

MASTER OF SCIENCE IN HEALTH SYSTEMS

The MSc in Health Systems embraces the multi-disciplinary nature of health-systems management research. The program draws on leading research faculty from the Telfer School and collaborating faculties, ensuring that students are exposed to a wide range of research methodologies and perspectives. Students explore the innovations that impact how care is delivered and examine challenges/opportunities facing health-system transformation.

MASTER OF SCIENCE AND DOCTORAL PROGRAM IN ELECTRONIC BUSINESS TECHNOLOGIES

The MSc and PhD in E-Business Technologies, offered jointly with the Faculty of Engineering, focus on the application of Internet and information technologies leading to new ways of conducting and organizing businesses. Students conduct research related to business analytics, performance management, e-marketing, e-business, comparative analysis of new business models, enterprise resource management, and supply chain management.
1. **Silvia Bonaccio** holds the Ian Telfer Professorship in Workplace Psychology. Her research agenda is focused on advancing research, education programs and outreach with the community in the areas of psychology applied to workplace dynamics. Professor Bonaccio has a longstanding research interest in employee selection, and judgment and decision-making at work. She also conducts research on the participation and the experience of people with disabilities in the workplace.

2. **Ivy Lynn Bourgeault** holds the CIHR Chair in Gender, Work and Health Human Resources. She is the Scientific Director of the pan-Ontario Population Health Improvement Research Network and the Ontario Health Human Resource Research Network. Professor Bourgeault has garnered an international reputation for her research on health professions, health policy and women’s health. Her recent work focuses on the migration of health professionals and their integration into the Canadian healthcare system.

3. **Qiu Chen** holds a CPA Ontario Accounting Fellowship. Her research projects examine accounting issues in the not-for-profit sector, market reactions to accounting disclosures, the economic implications of adopting the International Financial Reporting Standards, the role of accounting information in decision making, small business debt financing, auditing, and accounting history.

4. **François Chiocchio** holds the Montfort Research Chair in the Organization of Health Services. The research activities under this new Chair all respond to the question “how can collaboration be improved in a way that optimizes health services?” Professor Chiocchio is particularly interested in what helps people collaborate: their personality traits, their motivation, and situational factors. His work also looks at the processes that foster interdependence and interdisciplinary, as well as how teams manage change projects.
5. Lamia Chourou holds a CPA Ontario Accounting Fellowship. Her research focuses on financial accounting, executive compensation, fair value accounting, earnings quality, and corporate governance. Currently, she is working on how economic policy uncertainty influences, among other factors, analyst forecasts and corporate social responsibility.

6. Samia Chreim holds the Ian Telfer Professorship in Health Organization Studies. Her research focuses on the dynamics of organizational change, integration across healthcare organizations, collaboration among professionals, and leadership and governance. She studies these topics in a variety of healthcare contexts.

7. David Crick holds the Paul Desmarais Professorship of International Entrepreneurship and Marketing. His research is primarily concerned with start-up firms with limited resources and that possess an evolving business model, of which internationalization processes and the support requirements of entrepreneurs are a core aspect. This research takes a holistic approach regarding entrepreneurial strategies in internationalizing firms, including the notion of ‘serendipity’ in unplanned versus planned market ventures.

8. Shujun Ding holds the Telfer Excellence Fellowship. His main research interests include judgment and decision-making in accounting contexts, corporate governance, family business, and accounting and finance issues in small business and non-profit organizations. He is currently working with the CPA-Canada Accounting and Governance Research Centre on several projects involving privately held firms.

9. Mark Freel holds the RBC Financial Group Professorship in the Commercialization of Innovation. Professor Freel is an accomplished researcher who has undertaken different research projects on behalf of European regional, national and supra-national government bodies. His current research is concerned with innovation policy and practice in relation to small and medium sized firms, and with the role of universities in innovation ecosystems.
10. **Craig Kuziemsky** holds a University Research Chair in Healthcare Innovation which aims to support healthcare innovation through team based care delivery. Professor Kuziemsky’s research focuses on developing a comprehensive and data-driven framework for achieving healthcare transformation driven by collaborative teams. The output of this research will enable the design of social informatics interventions to further team based activities as part of healthcare innovation.

11. **Laurent Lapierre** holds the Ian Telfer Professorship in Ian Telfer Professor of Workplace Behaviour and Health. Using the theories and tools developed in the fields of organizational behavior and human resources management, Professor Lapierre’s research focuses on work-family balance and on leadership where he studies the influence that followers can have on leaders.

12. **Judith Madill** holds the Paul Desmarais Professorship, with studies focusing on social marketing, social entrepreneurship and sponsorship. Professor Madill’s research reveals that social enterprises often strive to achieve greater financial self-sufficiency, work to achieve social transformation and are often considered to be quite innovative organizations. Her research also investigates the marketing strategies that are most effective in achieving financial self-sufficiency in such organizations.

13. **Daina Mazutis** holds an Endowed Professorship of Ethics, Responsibility and Sustainability, with research at the intersection of strategy, leadership and corporate responsibility. Her studies recognize environmental and social issues as critical strategic issues that require a broader understanding of business’s role in society. Her current research focuses on CEO characteristics, the adoption of CSR initiatives and the development of leadership traits in business programs.
14. **Cheryl Susan McWatters** holds the Father Edgar Thivierge Chair in Business History. This Chair was created to provide students with historical understanding of the world they will face as business leaders. Her research is particularly interested in the impacts of economic, social, cultural and technological change, mercantilist networks, globalisation and the influence of milieu.

15. **Barbara Orser** holds the Deloitte Professorship in the Management of Growth Enterprises. Professor Orser is conducting research on small and medium-sized enterprise (SME) growth, including entrepreneurial decision-making, gender influences, internationalization of SMEs, and public policy.

16. **Allan Riding** holds the Deloitte Professorship in the Management of Growth Enterprises. Studying the financing of small and medium-sized firms, Professor Riding's research interests include bank financing, loan-guarantee programs, business angels, and venture capital.
RESEARCH CENTRES AND LABORATORIES

CPA-CANADA ACCOUNTING AND GOVERNANCE RESEARCH CENTRE (CPA-AGRC)
CPA-AGRC makes significant contributions to the academic accounting field and helps shape the development of professional accounting standards and practices. Current research projects examine corporate governance, transparency and disclosure, risk management, sustainability reporting, accounting and control issues in family-owned firms and non-profit organizations, while a distinguished speaker series presents the latest insights from the field. The Centre is led by Professor Walid Ben Amar with support from CPA-Canada, the Telfer School of Management, and the University of Ottawa.

CENTRE FOR BUSINESS ANALYTICS AND PERFORMANCE (CBAP)
CBAP has a mandate to explore the use of analytics as a means to improve organizational performance. Researchers focus on optimizing the use of data for delivering insights to businesses. Led by Professor Greg Richards, the Centre has ongoing outreach activities connecting organizations with Telfer School faculty and students to better understand and improve applications using business analytics methods.

KNOWLEDGE DISCOVERY AND DATA MINING (KDD) LABORATORY
The KDD Laboratory’s focus is on using large datasets to extract novel information and insights, with diverse applications in engineering, business, healthcare, and population health. Current industry and government funded projects apply big data analytics, data summarization, and stream data mining. Graduate students and researchers from multidisciplinary areas of computer science, engineering, and e-business collaborate under the direction of Professor Bijan Raahemi.

MARKETPLACES FOR SAFE AND FAIR TRADE (E-MP) LABORATORY
Researchers in this Laboratory investigate the design, development, and usability of electronic marketplaces as the main trade infrastructures of the digital age. Other research questions being investigated include social commerce and IT supported B2B sales processes. The e-MP Laboratory is led by Professor Morad Benyoucef.

MOBILE EMERGENCY TRIAGE (MET) RESEARCH LABORATORY
Researchers in the MET Research Laboratory aim to provide patient-centric computer-based support for a number of decision problems that occur at the point of care. The goal of their research is to create methodological and applied health informatics solutions that support healthcare practitioners throughout the patient management process. Researchers in health informatics and computing science work with practicing physicians under the direction of Professor Wojtek Michalowski.
NEW FACULTY MEMBERS
2015–2016

MOHAMED CHELLI, Assistant Professor, Accounting
• PhD in Accounting, Université Laval and Université Paris-Dauphine
• Research centers on corporate responsibility reporting and socio-environmental performance measures

QIU CHEN, Assistant Professor, Accounting
• PhD in Accounting, Smith School of Business, Queen’s University
• Research investigates not-for-profits, the role of accounting information in decision-making as well as market reactions to information disclosures

DAVID CRICK, Full Professor, Entrepreneurship
• PhD in International Entrepreneurship/Marketing, Cardiff Business School, University of Wales
• Research lies at the intersection of international entrepreneurship and marketing. Start-up firms with limited resources and an evolving business model are a particular area of interest

AGNÈS GRUDNIEWICZ, Assistant Professor, Healthcare Analytics
• PhD in Health Services Research, Institute of Health Policy, Management and Evaluation, University of Toronto
• Research addresses the management of complex patients with multimorbidity

JOSÉ CARLOS MARQUES, Assistant Professor, Strategy
• PhD in Management, Strategy & Organization, Desautels Faculty of Management, McGill University
• Research focuses on the drivers, strategies and effectiveness of coalitions that develop global corporate social responsibility standards

DAINA MAZUTIS, Assistant Professor, Strategy
• PhD in Strategy, Ivey School of Business, Western University
• Research focuses on corporate sustainability, with an emphasis on leadership, ethics and strategic decision-making processes in business organizations
NEW FACULTY MEMBERS
2015–2016

MICHAEL PARENT, Full Professor, Marketing and Vice-Dean (Career Development)

• PhD in Marketing, Smith School of Business, Queen’s University
• Research centres on e-business, cybersecurity, social media, luxury brands, and governance practices at the board level

GILLES REINHARDT, Associate Professor, Business Analytics

• PhD in Operations Management, Kellogg School of Management Northwestern University
• Research centers on operations and supply chain management, healthcare operations and sport management

antoine sauré, Assistant Professor, Business Analytics

• PhD in Management Science, Sauder School of Business, University of British Columbia
• Research centers on decision-making under conditions of uncertainty, and the development of advanced models applied to large-scale problems in service operations

STÉPHANE TYWONIAK, Associate Professor, Management of Complex Projects

• PhD in Strategic Management, HEC School of Management, Paris, France
• Research focuses on the strategic interactions between business and society in complex projects/ programs and strategic decision making, with a specific interest on how business organisations gain, maintain, and lose legitimacy
The Research Office supports research funding through the management of the Telfer School Research Grant (SMRG) competition, and the promotion of internal and external research funding opportunities. Other services provided involve liaising with various research services provided by the University of Ottawa and with granting agencies. The Research Office also supports graduate students by making available dedicated funding opportunities and by offering them assistance with scholarship applications and submissions to the research ethics board.

To promote Telfer School research and researchers, the Research Office uses feature stories, social media, and a variety of research events and seminars to highlight the research achievements of faculty and students.
LEARN MORE
To learn more about research at Telfer, visit telfer.uOttawa.ca/research, call the Research Office at 613-562-5800 ext. 4693 or visit us at the Desmarais Building at 55 Laurier Avenue East in Ottawa to speak with a member of our team.

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