We are pleased to present the 2012 fall edition of Research Flash, the semi-annual newsletter highlighting the research activities of HEC Montréal’s professors for the period from December 1, 2011 to May 31, 2012.

This edition presents the remarkable distinctions earned by several professors at the School, namely the election of Guy Paré to the Royal Society of Canada, the election of Danny Miller as a Fellow of the Academy of Management, and the election of Michèle Breton as the President of the International Society of Dynamic Games.

The number of research publications by professors at the School is also worthy of mention, with 146 articles appearing in both scientific and professional peer-reviewed journals, including 7 journals indexed on the prestigious list of 49 scientific journals of Business Week, the Financial Times and the University of Texas at Dallas. This brings the number of articles published in peer-reviewed journals to 294 for 2011-2012.

This edition of the Research Flash newsletter also features new grants awarded to researchers at the School. The Portrait of Research section presents the six specialized management and economic journals published by HEC Montréal, either independently or in partnership. Last but not least, once again this fall, the New Professors section features the list and research interests of the new professors HEC Montréal is proud to have recruited in 2012. I would like to warmly welcome them into the community of researchers at the School.

Jean-Claude Cosset
Director of Research
GUY PARÉ ELECTED A MEMBER OF THE ROYAL SOCIETY OF CANADA

Professor Guy Paré was officially welcomed into the Academy of Social Sciences of the Royal Society of Canada at the induction and awards ceremony on November 17, 2011, in Ottawa.

Professor Paré is an expert in information technology (IT) applications in the health sector, and has been focusing on this crucial field for about 15 years now. The remarkable quality of his research findings has made him one of the leading researchers in the country in this field, and one of the most influential on the international scene. It also led to his being appointed to the Canada Research Chair in Information Technology in Health Care in 2004, an appointment that was renewed in 2009.

In all his work, Guy Paré seeks a better understanding of the role of IT in fostering the (essential) implementation of new organizational approaches to healthcare. His research has made it possible to measure the clinical, structural and financial effects associated with the implementation of emerging IT applications, such as electronic medical record systems, home telemonitoring and digital radiology. He was also the first researcher to define the success factors related to the introduction of home telecare and to issue specific recommendations in this regard.

His research into patient self-management attracted the attention of the World Health Organization (WHO), which invited him last year to join a select group of experts to discuss this issue in Geneva. Other organizations, like the Canada Health Infoway, the French department of health, and the Ministère de la Santé et des Services sociaux and the Institut national d’excellence en santé et en services sociaux, here in Quebec, have also called on his expertise.

Professor Paré is concerned about the social repercussions of IT in healthcare, for instance on the quality and accessibility of care, improved practice conditions for healthcare staff, and patients’ responsibility for their own health. He has always considered it a priority to apply new and effective solutions to concrete problems and to transfer knowledge. Accordingly, with a group of collaborators, he designed and implemented a strict methodology for evaluating the risk involved in implementing clinical information systems. This recently commercialized methodology, the fruit of many years’ work, makes it possible to suggest risk mitigation mechanisms and prioritize the suggested palliative measures.

15 HEC Montréal professors are fellows of the Royal Society of Canada:

Henri Barki
Michèle Breton
Jean-Charles Chebat
François Colbert
Jean-Claude Cosset
Jacques Desrosiers
Georges Dionne
Pierre Hansen
Ann Langley
Gilbert Laporte
Guy Paré
Suzanne Rivard
Jean-Marie Toulouse
Christian Vandenberghe
Georges Zaccour
TWO PRESTIGIOUS DISTINCTIONS FOR DANNY MILLER IN 2012

Professor Danny Miller earned several distinctions this year. In August 2012, he was named a Fellow of the prestigious Academy of Management, making him only the seventh Canadian to earn this very impressive distinction. The Academy, founded in 1936, is the oldest and largest association of management researchers in the world, with some 20,000 members from 109 countries. Danny Miller received this honour in recognition of his significant contribution to both the science and practice of management.

A prolific author, he has had tremendous influence in the field, as shown by his ranking as the fifth most-cited management researcher in the world, according to an article in the Journal of Management in 2008. In fact, also in August 2012, he won the award for the best article published in 2011 in the prestigious Journal of Management Studies, for an article he co-authored with Associate Professor Isabelle Le Breton-Miller (management) and one of their colleagues at Texas A&M University, Richard H. Lester.

In October 2012, Professor Miller was also named 2012 Falcone Distinguished Entrepreneurship Scholar by the Entrepreneurship and Emerging Enterprises faculty of the Martin J. Whitman School of Management (Syracuse University), which every year recognizes outstanding scholars who have distinguished themselves in the field with significant publications and have produced work that has had a major impact on advancing the discipline.

MICHELE BRETON ELECTED PRESIDENT OF THE INTERNATIONAL SOCIETY OF DYNAMIC GAMES

Full Professor Michèle Breton (Management Sciences) has been elected President of the International Society of Dynamic Games (ISDG) for a renewable two-year term. Her role at the head of the ISDG includes overseeing the scientific aspects and material organization of activities, disseminating information, increasing the organization’s membership and expanding its interests into new fields of application for dynamic games.

The ISDG was founded in 1990 in Helsinki, Finland, and brings together about 350 researchers in operational research and the social sciences, along with economists, mathematicians and engineers interested in dynamic game theory. It works to promote theoretical and empirical development in dynamic games and to offer a forum for researchers in the field. It organizes a symposium every two years (even-numbered years) at which the president and other executive members are elected (12 in all), an invitation-only workshop in odd-numbered years, and an annual conference. These events draw representatives from 20 to 30 countries, and are an opportunity for members to share information on new advances in the field of dynamic games. The Group for Research in Decision Analysis (GERAD) has handled the financial management of the Society and the organization of its annual conferences for many years now.

The ISDG publishes the Annals of Dynamic Games every two years, containing the most important papers presented at the symposium, in the form of a volume edited by a scientific committee chosen by the members. Other learned publications are also sponsored by the Society, including Dynamic Games and Applications and International Game Theory Review, two journals whose editors-in-chief are ISDG members.
HEC Montréal: A Major Player in the Dissemination of Management and Economics Knowledge

HEC Montréal actively contributes to the development and transmission of knowledge by publishing, independently or in partnership, six journals, including the *International Journal of Arts Management*, now listed in the prestigious Journal of Citation Reports (JCR).

**L'Actualité économique**
*L'Actualité économique* is a quarterly French-language scientific journal that disseminates new knowledge in the field of economics. It publishes specialized and general scientific articles on economics and finance.

**Assurances et gestion des risques**
*Assurances et gestion des risques* is an academic journal published by HEC Montréal. It analyzes the evolution of insurance in Canada and abroad since 1932. From a theoretical and practical perspective, it examines all aspects related to insurance coverage and risk management.

**Gestion**
*Gestion* was founded in 1976. *Gestion* is among the most reputable French-language journals for the scope and quality of its influence on management practices, teaching, business media and consulting services.

**International Journal of Arts Management**
Founded in 1998, the *International Journal of Arts Management (IJAM)* publishes academic research articles in a format that is accessible to researchers, professors and practitioners in the field of arts and culture with a view to promoting the advancement of knowledge in arts management internationally.

**Management International**
*Management international (MI)* is an independent academic publication. Published in English, French or Spanish, its original articles focus on various aspects of management in the international arena.

**Revue internationale de cas en gestion**
The *International Journal of Case Studies in Management/Revue internationale de cas en gestion* disseminates many high-quality case studies to French-speaking researchers and professors interested in the case-study method as a teaching and research tool.
**EValorix – A Third Commercialization Vehicle**

Commercialization at HEC Montréal is now an institutional priority. In 2007, the creation of the Commercialization, Technology Transfer and Executive Training Department sent a clear message to the academic and business communities: knowledge must be transferred. In keeping with this idea, we chose to take up the challenge of commercializing knowledge, whether patentable or not. Since then, we have transferred various methodologies and software to consulting firms, under commercial operating licenses. Our activities have also helped to create two spin-off companies whose mission is to commercialize innovations led by two different research groups (ERPsim Lab and RBC Financial Group Chair of E-commerce).

Despite our efforts, traditional commercialization vehicles – spin-off companies and commercial operating licenses granted to business partners – do not fulfill all of the School’s commercialization needs. What is missing is a third way, a fast-track that provides practitioners with quick access to the innovations created by researchers in various sectors. Often niche innovations, they sometimes lack the commercial potential to attract a business partner. However, we are convinced that with the right tool and an effective marketing strategy, they can be made visible and available.

For close to two years, in collaboration with our commercialization arm Univalor, we have been imagining this tool. We are developing a transactional platform that will make many technological, pedagogical and organizational innovations quickly available online. The company eValorix was created with the mission to take on this mandate for Univalor’s member institutions. In the long term, eValorix could offer its services to other universities in Quebec or elsewhere. To be launched during the first quarter of 2013, eValorix will take the form of a transactional web site where institutions can submit innovations. eValorix has chosen to set its sights on a broad spectrum of innovations. First and foremost, the site will provide a simple search of innovations by grouping innovations by theme, but also by institution. At HEC Montréal, we are ready to submit pedagogical cases, Web access, multimedia content, video vignettes, software, methodologies and research reports.

Clearly, there is now a third way to commercialize HEC Montréal’s innovations. Beyond simple transfers to communities of practice, it is an effective way to enhance the visibility of institutions and the expertise of researchers. On eValorix, each institution will have a dedicated section where it can proudly showcase its innovations and the expertise of its researchers. Ultimately, eValorix will help promote the brand identity of institutions while developing its own identity in the emerging world of commercialization of non-patentable innovations.

**Innovations by eValorix**

- Non-patentable technological, pedagogical, organizational and social innovations
  - Case studies
  - Devices
  - Web access
  - Software
  - Intervention guides
  - Video vignettes
  - Research tools
  - DVD/Multimedia
  - Research reports
  - Methodologies
  - Prototypes

**The transfer cycle and eValorix**

- Pedagogical research and development
- Invention disclosure to the institution
- Licence to eValorix
- Sales by eValorix
- Redistribution of revenue to institutions
- Royalties for researchers

www.evalorix.com

*Summary*
EXTERNAL
AWARDS AND DISTINCTIONS


DIONNE, Georges. 2012 Marcel-Dagenais Award, for his remarkable contribution to economic and scientific life in Quebec or Canada.


DUPUIS, Debbie J. Recipient of the Prisme Award, presented to a graduate of the Faculty of Science at Université de Moncton in recognition of a remarkable career, February 2012.

FACAL, Joseph. Bullock Chair recipient, Halbert Centre for Canadian Studies, Hebrew University of Jerusalem.

FRANÇOIS, Pascal, HÜBNER, Georges, SIBILLE, Jean-Roch. Award for the best article in the journal Finance: “A Balance Sheet Model of Sovereign Credit Risk,” Association française de finance (AFFI), May 2012.

HANSEN, Pierre. Certification of Excellence, 10th DIMACS Implementation Challenge - Graph Partitioning and Graph Clustering, Atlanta, February 2012.

LAPORTE, Gilbert. Canada’s third most influential researcher in the field of business, HiBAR, the Hirsch-Index Benchmarking of Academic Research, 2012.


LAPORTE, Gilbert, COELHO, Leandro. Esdras-Minville Award, for the article: “The Inventory-Routing Problem with Transshipment.”


PAQUETTE, Julie. 2010-2011 Jim-Davey Award for the best article written by a student in Canada: “Mesure de la qualité de service et développement d’un outil d’aide à la décision multicritère en transport adapté: le cas de la ville de Longueuil,” Canadian Transportation Research Forum.


RANCOURT, Marie-Ève, CORDEAU, Jean-François, LAPORTE, Gilbert. Esdras Minville Award, for the article: “Long-haul Vehicle Routing and Scheduling with Working Hour Rules,” 2012.


AWARDS AND DISTINCTIONS GRANTED BY HEC MONTRÉAL

VINCENT, Nicolas. 2012 Young Researcher Award, for research conducted over the last three years.

ROMBOUTS, Jeroen. 2012 Chenelière Éducation/Gaëtan Morin Award, for research conducted over the last three years.

LAPORTE, Gilbert and MILLER, Danny (ex-aequo). 2012 Pierre-Laurin Award, for an outstanding contribution to research during a career at HEC Montréal.
ARTICLES ON THE FINANCIAL TIMES, BUSINESS WEEK AND UNIVERSITY OF TEXAS AT DALLAS LISTS (PERIOD FROM DECEMBER 1, 2011 TO MAY 31, 2012)


ARTICLES IN REFEREED SCIENTIFIC JOURNALS (PERIOD FROM DECEMBER 1, 2011 TO MAY 31, 2012)


ARTICLES IN REFEREED PROFESSIONAL JOURNALS
(PERIOD FROM DECEMBER 1, 2011 TO MAY 31, 2012)


**NEW GRANTS**

**SSHRC – CONNECTION GRANTS**

TREMBLAY, Benoît, BUENDIA MARTINEZ, Inmaculada, RIZKALLAH, Élias. Workshop “Promouvoir et diffuser la recherche sur les coopératives de services financiers à l’ère du numérique,” $42,099.

**SSHRC – PARTNERSHIP DEVELOPMENT GRANTS**


**SSHRC – INSIGHT DEVELOPMENT GRANTS**


TURKINA, Ekaterina, KALI, Raja. Regional Clusters in High-Tech Industries in North America: Implications for Innovation and Prosperity, $19,796.

**CIHR – PARTNERSHIPS FOR HEALTH SYSTEM IMPROVEMENT (PHSI)**

LAVOIE-TREMBLAY, Mélanie, RICHER, Marie-Claire, AUBRY, Monique, LAPAIGE, Véronique Andréa Léontine, VÉZINA, Michel, KILPATRICK, Kelley, LA ROCHE, Daniel et al. La contribution des bureaux de projet à la gestion du changement et à la performance organisationnelle dans le secteur de la santé, $347,427.

**MITACS – ACCELERATE**

GHADIRI, Djahanchah Philip, BADER, Barbara, BEAUPRÉ-GATEAU, Thierry (intern), GRAVEL-RICHARD, Pascale (intern). Mise en opération participative, inclusive et créative d’une démarche de co-construction de savoirs sur le volet Art social et éducation populaire des projets de coopération et de développement international de ONE DROP, $15,000.

ST-ONGE, Sylvie, CRAIG DUCHESNE, Maude (intern). L’outil des carnets de compétences: analyse et recommandations, $15,000.

PINEAU, Pierre-Olivier, BEN AMOR, Mourad (intern). Diminuer le chauffage électrique pour augmenter la productivité québécoise : évaluation conséquentielle de l’utilisation du gaz naturel pour le chauffage résidentiel, $15,000.

**NEW PROFESSORS**

**APPLIED ECONOMICS**

Mario Samano  
Assistant Professor  
Ph.D. (Economics), University of Arizona  
Expertise  
- Empirical Industrial Organization  
- Energy and Environmental Economics  
- Applied Econometrics

**OPERATIONS MANAGEMENT AND LOGISTICS**

Ola Jabali  
Assistant Professor  
Ph.D. (Industrial Engineering), Eindhoven University of Technology  
Expertise  
- Operations Management  
- Logistics  
- Transportation  
- Combinatorial Optimization
LIST OF DOCTORAL DISSERTATIONS
(PERIOD OF DECEMBER 1, 2011 TO MAY 31, 2012)

KAY, Ondel‘Ansek
“Les contraintes de financement des PME en Afrique : Le rôle des registres de crédit”
GAUTHIER, Bernard P. (Supervisor)

AMAYA, Diego
“Trois essais en méthodes numériques appliquées à la finance”
GAUTHIER, Geneviève (Supervisor)

HATIMI, Imad Eddine
“Impact de l’environnement institutionnel sur la capacité d’innovation des firmes : Effets de modération”
HAFSI, Taïeb (Supervisor)

DESLANDES, Manon
“L’incidence du taux d’imposition des dividendes sur les décisions financières des sociétés”
LANDRY, Suzanne (Supervisor)

ROUSSY, Mélanie
“Une typologie des rôles et des stratégies de gestion de rôles conflictuels : l’auditeur interne dans un contexte d’organisations gouvernementales québécoises”
MORIN, Danielle (Supervisor)

STOLERU, Raluca-Mihaela
“La fonction approvisionnement : Niveau de développement et légitimité”
NOLLET, Jean (Supervisor)

DOMENED, Pablo Andrés
“Three Essays on Sustainable Forest Management”
ZACCOUR, Georges (Co-supervisor)
MARTIN-HERRAN, Guiomar (Co-supervisor)