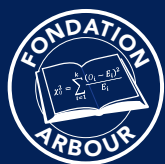


# EDUCATION MAKES A POWERFUL NATION

## FONDATION ARBOUR



ANNUAL REPORT 2018

## CREATION OF THE FOUNDATION

The Foundation was created as a result of Mr. Arbour donating all of the shares of his private company, Alkebec Inc., valued then at \$9 million in 2005. Created December 30th, 2005, the Foundation operates under article 149(1)(f) of the income tax act.

## THE FOUNDATION'S MISSION

The mission of the Foundation is to grant scholarships to deserving students in financial need at the Master's and Doctorate levels in three disciplines having been identified as most likely to foster economic growth: **Engineering, Computer Science and Business Administration.**

## THE FOUNDATION'S SOLEMN DECLARATION ENDORSED BY SCHOLARSHIP RECIPIENTS

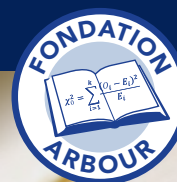
"I will strive to act with honesty and integrity while respecting human rights and dignity. I will strive to create sustainable prosperity and I will oppose corruption and exploitation. As I hold true to these principles, I will establish for myself, peace of mind and a righteous reputation".

# THE FOUNDATION

## TABLE OF CONTENTS

|                                         |    |
|-----------------------------------------|----|
| THE FOUNDATION                          | 1  |
| A TRIBUTE TO OUR FOUNDER                | 3  |
| A WORD FROM OUR CHAIRMAN                | 5  |
| A WORD FROM OUR CHIEF EXECUTIVE OFFICER | 9  |
| THE BOARD OF DIRECTORS                  | 13 |
| KEY PERFORMANCE INDICATORS              | 15 |
| OUR SCHOLARS                            | 23 |
| SCHOLARS SUCCESS                        | 24 |
| TESTIMONIALS & THANK YOU'S              | 25 |

CREDITS : Cover : Cadena's Painting from Cossette. Graphism : [www.annalemasson.com](http://www.annalemasson.com)



**P**ierre Arbour was a remarkable man: full of life, ideas and generosity.

He was born in south Shawinigan in 1935 and during his teenage years was sent to College de Montreal by his parents, where he stayed throughout high school. In 1956, he graduated from Université de Montreal (in Philosophy), and subsequently became one of the first French Canadians to attend McGill University, where he learned to speak English and went on to graduate with a bachelors in commerce in 1959. He began his career as an insurance broker for London Life, which would later become Industrial Life in 1960. In 1962, he then joined Morgan, Ostiguy and Hudon Ltd as a financial analyst. But Pierre's professional career was taking off during a period of great change within the province of Quebec, and it was following a meeting with Jacques Parizeau, that Pierre would in 1966 go on to join the Caisse de depot et placements du Quebec (CDPQ), a newly created financial institution started by Jean Lesage's Liberal Government. Pierre then became the founding equity manager of the common shares portfolio. During his time at the Caisse, Pierre was elected to the boards of the following companies: M. Loeb, Provigo, Horne & Pitfield, National Drug and Chemical Ltd., la Place Desjardins, Societe d'Investissement Industriel (SDI) du Quebec.

Following the death of his mentor Claude Prieur, ex-CEO of the Caisse, Pierre left the Caisse in 1980, and with a \$30,000 investment founded Alkebec Inc., a firm specialised in oil & gas exploration and tax shelters. In 1984, Alkebec Inc. became a venture capital firm, which would go on to make investments in several growing companies, both public and private, across Canada.

Between 1979 and 1993, Pierre was also president and CEO of Monterey Capital Inc., a publicly owned company specialising in the distribution of industrial equipment. Between 1980 and 1989, Pierre was also a board member of Consolidated Bathurst Inc., a Canadian pulp and paper company which was sold to Stone Container for \$2.6Bn in 1989. In 1993, Pierre published "Quebec Inc. and the Temptation of State Nationalism" in which Pierre wrote about his experiences at La Caisse, exposing instances of alleged political and nationalistic cross contaminations in the investment decision-making process.

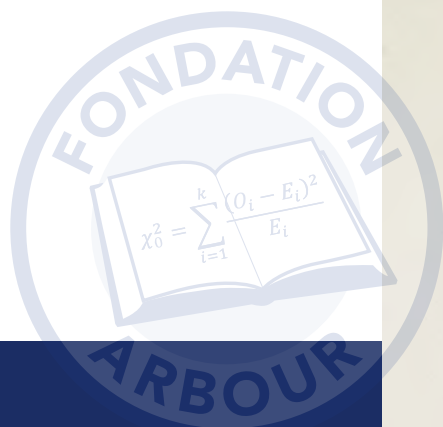
In 2005, Pierre would take the majority of his accumulated capital to start La Fondation Universitaire Pierre Arbour, now "Fondation Arbour", which offers scholarships of excellence to master's and PhD level students

# A TRIBUTE TO OUR FOUNDER

studying at Université de Montreal, Université du Quebec a Montreal, McGill, Polytechnique, HEC, ETS, Concordia and Université de Sherbrooke, in fields that Pierre thought would be conducive to economic growth and development of the province of Quebec, namely Computer Sciences, Engineering and Business Administration. 12 years after its creation, the Foundation Arbour has grown its assets under management from \$9.0 million to \$16.0 million, and has since its inception awarded 230 scholarships worth \$3.2m dollars.

Pierre's gift not only reflected his fundamental belief in the value of education and in assisting students to achieve their goals, but also his vision for Quebec society as a whole. Pierre's vision always put him one step ahead: he understood the skills that would be necessary for a successful Quebec in the context of an increasingly globalised economy.

Whether by way of his pioneering activities at La Caisse or via the creation of the Foundation Arbour, Pierre's legacy will be one of strengthening Quebec society and its economic growth by encouraging education and entrepreneurship. He knew how to use his own success for the benefit of others. Pierre Arbour was thus one of these extraordinary men who have the capacity to change the lives and destinies of those who had the good fortune of crossing their path.



# A WORD...

## A WORD FROM OUR CHAIRMAN



It's with a heavy heart that I write my first message as Chairman of the board for the Foundation. Our founder; my father, Pierre Arbour, passed away on the 14th of July 2018. Pierre's passing remains emotional for me to this day. Pierre was not only my father but a great friend; I loved him and I will never forget him. It also falls incumbent on me to explain to my daughter, born 10 weeks before his death, what an amazing man her paternal grandfather was.

It's now been 13 years since the Foundation was established by Pierre following a very generous gift of 9.0 million dollars, a sum, which people may not know, would have represented the vast majority of his personal fortune at the time. Pierre always believed in the value and power of education. When Pierre called me to discuss his idea in 2005, his vision was to create a foundation whose objective would be to finance the studies of deserving students at the Masters and PhD level in Engineering, IT or Business Administration disciplines that Pierre considered to be conducive to the growth of the Quebec economy. The Foundation was born later that year.

Pierre was right. There is no question in my mind that whether pursuing a vocational degree or a PhD,

education is the key to personal and professional success, and by extension, to our collective success as well as that of entire nations. We desperately need qualified and competent people for our societies to function smoothly and to be able to solve problems as they arise. First off, each of us has a role to play in applying competence in our professional endeavours to make sure that we don't end up counterproductively adding to the list of existing problems. This idea is linked to that of the broken glass parable of the French economist Frédéric Bastiat. Second, we must continually assess and question whether new solutions are likely to undermine the status quo, especially when such solutions are meant to be supplanting existing systems that are working reasonably well. Then, we also know that potential solutions to today's problems almost inevitably give rise to second-order problems and challenges that will need to be tackled tomorrow.

Since the Age of the Enlightenment, it's been the application of intellectual debate, the scientific method, as opposed to superstition and intolerance, which has contributed to a gradual yet dramatic improvement of the human condition. Homo Sapiens have been around for 350,000 years, about 14,000 generations. It's important to stop and acknowledge the gains that have been made over just the last eight generations since the Industrial Revolution, and the unimaginable gains we have made in the three generations since the end of World War II. The dramatic acceleration of progress is not accidental but rather a direct consequence of the values of the Age of the Enlightenment, and thanks to the intellectuals, inventors, business people and researchers who committed themselves to reason and to the betterment of the human condition. It is very rare that you will meet people today who will tell you that they are leading more difficult lives or are worse off than their grandparents. This very assertion, placed in context of the timeline of homo sapiens, is nothing short of miraculous.

But history shows that we cannot take for granted the hard-earned and hard-fought scientific gains made by our enlightened ancestors. We must never forget the cliff edge of chaos and entropy that is not many steps behind us. Education loses its value and utility when the content or the transmission mechanism underpinning this knowledge is compromised or contaminated by propaganda. When one considers the climate on certain US and Canadian college campuses in recent times, we have observed a very loud minority of activists who are attempting (and often succeeding) at stifling intellectual debate, especially

when someone espouses views, or even dares to proclaim objective facts, which run counter to their activist ideology. The administrators, professors and enlightened students all have a duty and moral & ethical responsibility to defend Enlightenment principles, as these are the very pillars which make education valuable and worthwhile. Remaining individually or collectively silent or being passive bystanders pushes us closer to the ravine.

Intellectual debate, freedom of speech, reason, logic and the scientific method are the legacy tools of the Enlightenment which are available to every thoughtful person committed to reason. These tools allow us to test our hypotheses in an impartial and disinterested way, which in turn allows us to reach conclusions on the basis of the results, which informs our views and our ability to think, speak and debate. We must allow people to speak openly without fear of reprisal. Dialogue is the only mechanism by which we uncover the truth or at least reach a reasonable intellectual compromise when evaluating competing claims. And students must be exposed to this intellectual process of debate and negotiation which underpins the foundation of quality education. This process allows students to use their intelligence and reason, which in turn enhances their ability to reach nuanced conclusions on the basis of the arguments and evidence presented. The activists must use this same platform to make their case, but only so long as they accept the diversity of opinion that characterises a democratic and free society. Ideology and science are not reconcilable.

The process of honest and good faith exchange promotes intellectual maturity and helps students to hone their critical reasoning skills; pre-requisites for making useful contributions to both the workplace and society. We must stand up against the ideas of “safe spaces”, “trigger-warnings” and “de-platforming” which only serve to shield and deprive students of useful education, knowledge, facts and sometimes unavoidable realities, and ultimately produce infantilised young adults with underdeveloped intellectual maturity. Worse, such reprehensible concepts threaten the very value and utility of education. We stay silent at our collective peril. The education system, and the Academy in particular, remain the principal forum for the transmission of knowledge; the integrity and value of the system is entirely dependent on the Enlightenment principles and their safeguarding. The Arbour Foundation is committed to upholding and promoting these principles in perpetuity.

Since its inception, the Foundation has grown its assets under management from 9.0 million to 16.0 million dollars, in addition to having awarded scholarships totalling 4.0 million dollars over 370 individual awards. Since Pierre's passing, we have completed a structural reorganisation starting with the creation of the role of Executive President, a position now assumed by Marine Hadengue, who was previously a Foundation Arbour scholarship recipient. We have also strengthened the governance structure with the creation of a Finance Committee, as well as the board appointment of Diane de Champlain, who was previously executive president for the Fondation de Polytechnique and Association des Diplômés de Polytechnique. Lastly, I have taken on the role of Chairman of the Board to oversee the Foundation's continued success.

Despite the aforementioned changes, the mission of the Foundation remains unchanged: we will continue to finance areas of study that are conducive to fostering economic growth, and we will continue to work with partner universities that maintain rigorous academic standards and uphold freedom of speech, and act as guarantors of the principles of the Enlightenment. The Foundation is committed to maintaining a meritocratic approach: that is, we only finance the best students.

It's with honour and humility that I now carry the torch of a foundation which bears the name of my father as well as my own. It is my intention to ensure its continued success for the ultimate benefit of Montrealers and Quebecers, and homo sapiens, for generations to come. On behalf of all Montrealers and Quebecers, I would like to thank you Pierre for your generosity and humanity, and I wish to reassure you that the Foundation has been left in good hands. Rest in peace.

**PHILIPPE ARBOUR**

# A WORD...

## A WORD FROM OUR CHIEF EXECUTIVE OFFICER



Dear scholars, partners and friends,

2018 was sadly marked by the death of our founder, Pierre Arbour. As the new Chief Executive Officer of the Foundation, I would like to dedicate a few words to this extraordinary man.

A tower of a man, literally and figuratively, Pierre was a visionary and a seasoned businessman. Following a remarkable professional career in the arenas of business and finance, Pierre dedicated the last chapter of his life championing the cause of quality education; one of the primary drivers of economic development. His vision culminated in the creation of the Arbour Foundation, dedicated to identifying and providing financial support to the best students in Engineering, Computer Science and Business Administration, via the award of prestigious financial scholarships.

These scholarships allow students to concentrate their efforts on their studies, thus enhancing their chances of becoming significant contributors to the economic development of Quebec and Canada. On

average, an Arbour Foundation scholarship covers more than 40% of the total living expenses and tuition fees of a typical Quebec student at the master's or PhD level. We are proud that the Arbour Foundation is also one of the few foundations in Canada to offer scholarships to international students, whose tuition fees are higher than those of Quebec and Canadian residents. For international students, an Arbour Foundation scholarship covers more than 25% of their total expenses throughout their degree.

Pierre's remarkable generosity has so far enabled the Foundation to support more than 350 deserving MSc, MBA and Ph.D. students, with total awards of more than 4 million dollars. Our scholarship recipients now have the responsibility, in Pierre's words, to «create sustainable prosperity for the province and the country, to act with honesty and integrity while respecting the rights and dignity of the individual, to oppose corruption and the exploitation of others ». This is the moral and ethical commitment that Pierre asked of our scholars to make.

As one of the scholarship recipients, I will forever be indebted to the Foundation and Pierre's vision. It is during my interview for a doctoral scholarship, 8 years ago, that I met Pierre. Remarkably, Pierre took the time to meet each and every one of the candidates, a practice that we continue to honour. In 2015, Pierre asked me to join the board of directors of the Foundation, and in 2017, he appointed me to chair our selection committee. Last year, Pierre and the Board of Directors, voted to promote me to the position of Chief Executive Officer by the end of 2019. Unfortunately, Pierre would not be able to accompany me in this transition and handover. Following his passing last July, it is with great humility that I accepted this role prematurely. Supported and mentored by an excellent board chaired by Philippe Arbour, our founder's son, I am pleased to devote myself enthusiastically to the Foundation. I wish to thank the board members for their trust. I am also thankful for the work of Chelsea Craig, my director of administration, who has been working at the Foundation since 2014. Her great knowledge of the workings of the Foundation is a continued valuable asset.

Now, it is up to the directors and officers of the Foundation to carry on Pierre's legacy; certainly a great

responsibility but also an immense honour.

Operationally, we have over the last nine months worked with determination to reorganize and develop the Foundation while preserving the essence of this beautiful institution.

I would like to proudly highlight the renewed partnerships between the Foundation and its eight partner schools and universities. The work carried out with the administrators and the professors of these universities has created much greater awareness of the Foundation's activities. The result of this work was a dramatic increase in the number of students applying for a scholarship last year. Via their universities, only 40 students had applied in 2016, but this number rose steadily to over 200 in 2018; a 500% increase over two years. In 2018, 45 of these 200 applicants were selected as scholarship recipients by the Foundation. These students share the qualities of excellence, perseverance and determination. We are proud to make them part of the Arbour Foundation family of scholars and alumni!

To support the Foundation's growth, we have put in place a set of sound management practices that will allow our investments to prosper. In addition, we are forming partnerships with companies and organizations to create prestigious new scholarships. This year, we have created a partnership with Mitacs, Canada's largest research platform whose goal is to foster collaboration among the universities in the area of innovation; an objective which is achieved by offering advanced research and training programs in Canada and abroad. Leveraging Mitacs' infrastructure, experience and extensive track record, the Arbour Foundation now finances technological entrepreneurship by supporting master's and PhD students whose research activities are intrinsically linked to start-ups and growth companies. We believe that university entrepreneurship is one of the keys to economic development.

I would also like to highlight the great success of the Foundation's mentoring initiative which was established in 2018. For the 2018-2019 academic year, 14 of our scholars were mentored by one of our board members. A recent survey confirms that the vast majority of these mentees feel that they received valuable personal and professional support to excel even further. Some of these mentees were also able

to tap into the valuable business networks of our board members, in some cases allowing them to secure jobs or internship opportunities in prestigious organizations. As a result, we will strive to make these opportunities available to our scholarship recipients going forward.

In the same vein, we are currently working with partner organizations to create more internship opportunities for our scholarship recipients. We believe that students at the master's level, and especially those at the PhD level would benefit from first-hand business experience throughout their studies. Academia and business are sometimes too disconnected. The result is underutilizing the research and innovation capability and talent within Academia while simultaneously depriving PhDs of valuable practical business experience. We believe that the earlier integration of these students into the world of business has benefits for everyone.

Although the death of our founder, Pierre Arbour, has left a great void for his family and friends and has marked the end of an era for this institution, the Foundation is still in its infancy. We, as his successors, are committed to growing and furthering the development of the Foundation to ensure its continued success for the benefit of our brilliant scholars and consequently, our nation.

**MARINE HADENGUE**

# BOARD OF DIRECTORS



## **PHILIPPE ARBOUR M.SC., C.F.A**

### **CHAIRMAN**

Philippe Arbour is Managing Director of Structured Finance at London-based Palamon Capital, a European middle market private equity firm. He joined Palamon in 2013 following 10 years at Lloyds Banking Group. In 2010, he was seconded to 3i PLC, a British private equity firm. Philippe holds the CFA designation and has a Masters in Finance from Durham University and a Bachelor in Business Administration (Honours Economics) from Bishop's University.

## **MARINE HADENGUE B.ING., M.SC., PH. D.**

### **SECRETARY OF THE BOARD**

Marine Hadengue B.Eng., M.Sc., Ph. D. A former fellow of the Foundation, Marine holds a Ph. D. in innovation management. She is currently a postdoctoral researcher at Polytechnique Paris and at the Center for Interuniversity Research and Analysis of Organizations (CIRANO). Her research focuses on the recent evolution of innovation processes in the context of globalization and more specifically on the phenomenon of reverse innovation. A graduate in mechanical and industrial engineering from Polytechnique Montréal, Marine also holds a master's degree in international politics from the Université de Montréal.

## **ME. MICHEL BRUNET**

Michel Brunet practices corporate and commercial law at Dentons Canada LLP's Montreal office. He focuses on the sale and acquisition of business corporations and on their financing needs. Mr. Brunet previously held positions at Fraser Milner Casgrain (FMC), one of Dentons' three founding firms, namely National CEO..



## **MICHEL BOLDUC**

Michel Bolduc is a well-known real estate developer operating in the Montreal region, among many projects, he just completed the luxury condo named ORO located across from the Museum of Fine Arts of Montreal.

## **DIANE DE CHAMPLAIN**

Most of her career has been spent in the world of communications and philanthropy. A graduate of the Université de Montréal and HEC Montréal, she was President of the Parents Association of Collège Jean-de-Brébeuf and a member of its board of directors. Later, she was entrusted with the reins of the Polytechnique Foundation as President and Chief Executive Officer whose mandate is to raise \$100 million for Polytechnique as part of the Campus Montreal campaign. The goal was exceeded with \$111 million collected, she decided at the end of the Campaign, in October 2017, to leave and continue to devote herself to other causes that are dear to her.

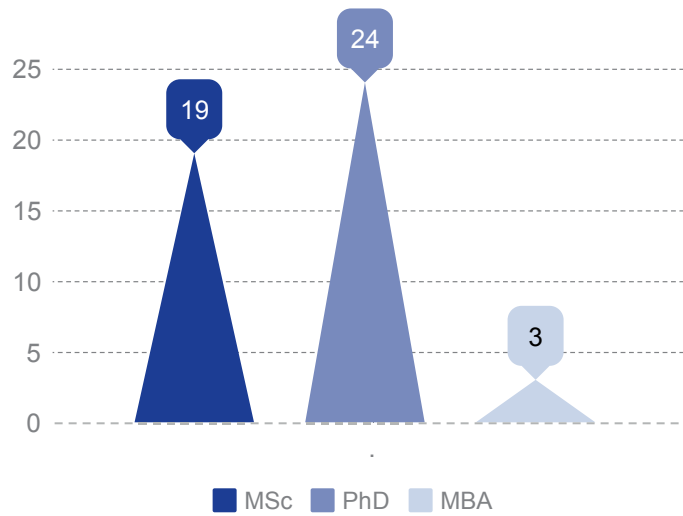
## **ANDRÉ LAURIN**

André Laurin was until recently President and CEO of BrainBank, an innovation management technology company whose software is deployed on a global scale by Fortune 500 and Global 1000 clients such as Verizon, Nestlé and Bridgestone as well as to government agencies. After a successful exit from the company that he founded in 1999, he is now an independent investor. He has a B.A. from Concordia University.

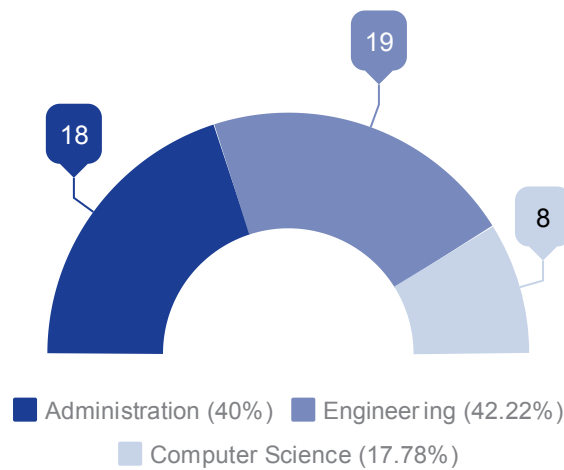
## **ANDRÉ MONETTE**

With degrees from Polytechnique de Montreal, McGill and Harvard, André Monette made a career for himself at Johnson & Johnson, Trust Royal, Banque Laurentienne and Les Placements T.A.L limited, working not only in Canada but in France and Switzerland as well. He served as a management consultant and a member of the board of directors for Investissement-Québec for over six years. André Monette also served on the Fonds de Solidarité committee as well as that of Amorchem.

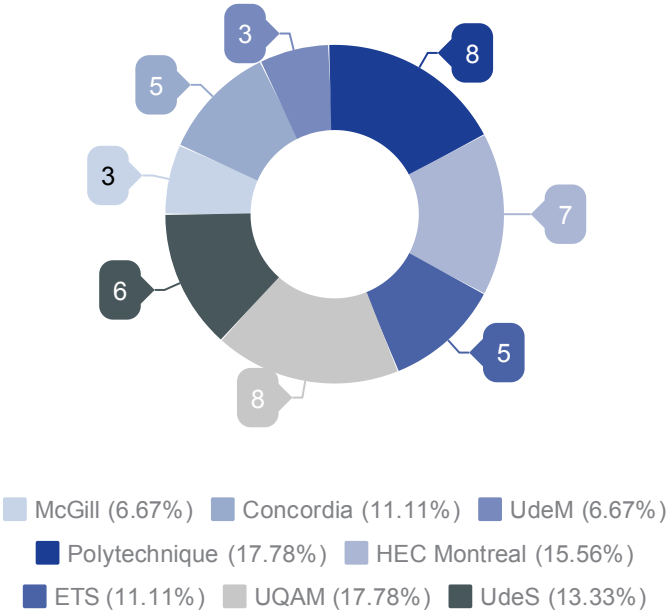
## AWARDED SCHOLARSHIPS IN 2018, BY DEGREE



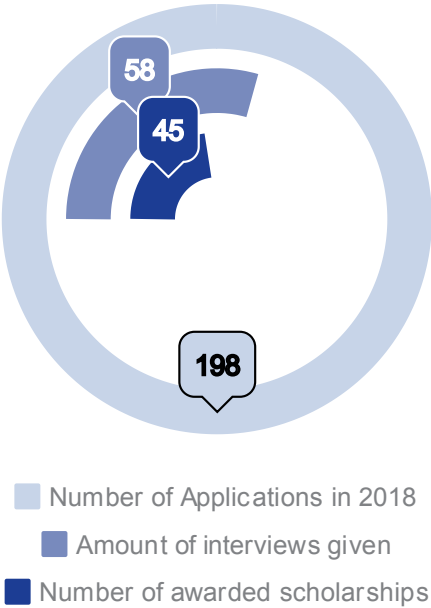
## SCHOLARSHIPS AWARDED BY DISCIPLINE IN 2018



SCHOLARSHIPS AWARDED BY UNIVERSITY IN 2018



A THOROUGH SELECTION PROCESS



45

Scholarships awarded of 58 applications  
for a total of

\$614 000

77.5%

Student accepted (rate)

That's a growth rate of

32%

compared to 2017

19

Number of foreign students financed  
by the Foundation in 2018 (vs 4 in 2017)

+25%

Increase in the number of applicants  
between the years 2016 and 2018

Many thanks to our universities and partner schools  
for their preselection work.  
Many thanks also to our directors for their participation  
in the final selection.

# KEY PERFORMANCE INDICATORS



# 370

Total number of awarded scholarships  
since the Foundation creation in 2006

# \$4 040 000

Total amount spent in scholarships  
since the Foundation creation

# 40% TO 25%

Average renewal rate since 2014

# \$13 000/ \$9 000

Amount of our MBA scholarship in 2018 (HEC/UdeS)

# \$10 000

Amount of our MSc scholarship in 2018

# \$17 000

Amount of our PhD scholarship in 2018

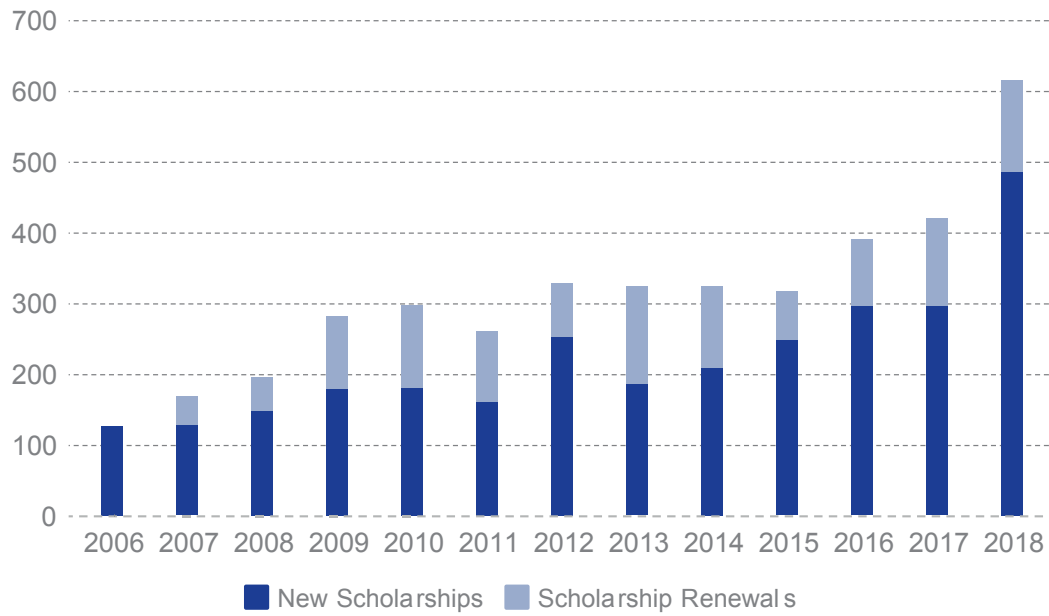
# +11%

Increase in the amount of an MSc scholarship in 2018  
(\$9 000 in 2017)

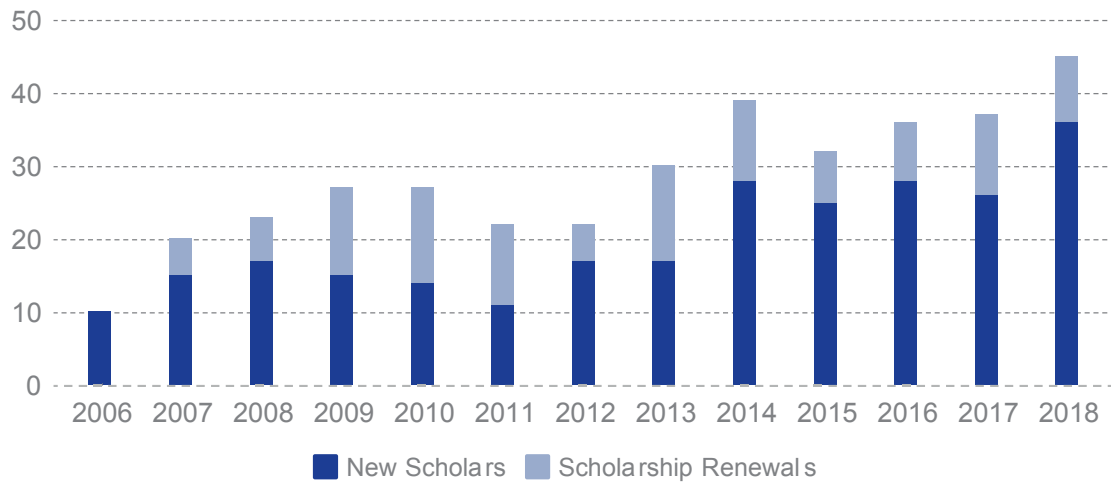
# +13%

Increase in the amount of a PhD scholarship in 2018  
(\$15 000 in 2017)

AMOUNT SPENT IN SCHOLARSHIP PER YEAR (IN 1000\$)



AMOUNT OF AWARDED SCHOLARSHIPS PER YEAR



6

Number of new applications accepted by the Foundation in 2018 (compared to only 5 in 2017)

Polytechnique leads with

75

scholarships, followed by UQAM at 67 and Concordia with 58, since the Foundation's creation

Almost

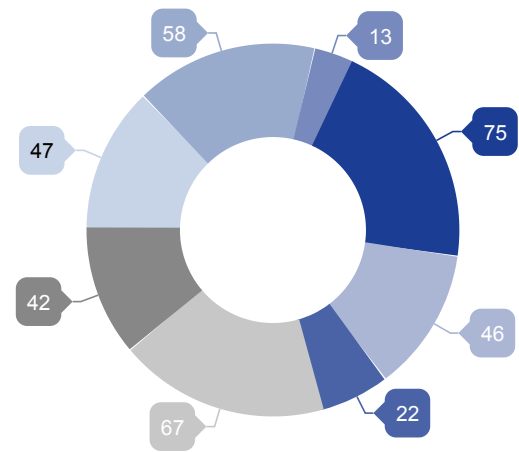
50 %

of women scholars

80%

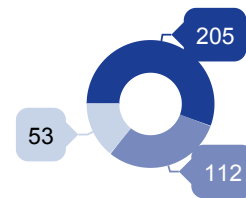
of scholars can speak french

## NUMBER OF SCHOLARSHIPS AWARDED SINCE THE FOUNDATION'S CREATION, BY UNIVERSITY



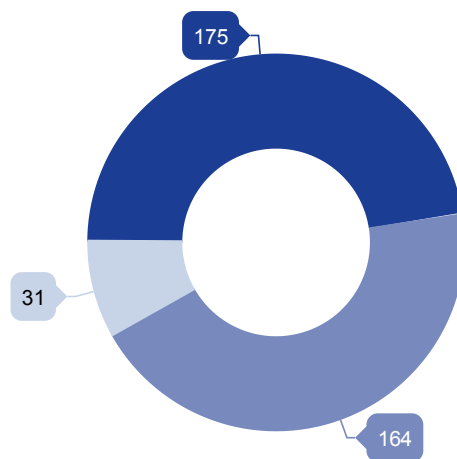
McGill (12.70%) Concordia (15.68%) UdeM (3.51%) Polytechnique (20.27%)  
HEC Montreal (12.43%) ETS (5.95%) UQAM (18.11%) UdeS (11.35%)

## AWARDED SCHOLARSHIPS SINCE THE FOUNDATION'S CREATION



MSc (55.41%) PhD (30.27%)  
MBA (14.32%)

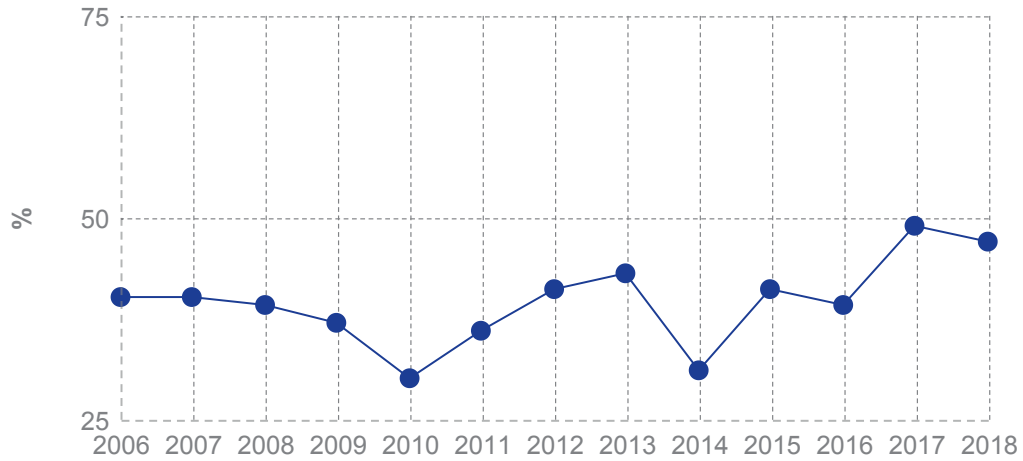
## NUMBER OF AWARDED SCHOLARSHIPS PER DISCIPLINE SINCE THE FOUNDATION'S CREATION



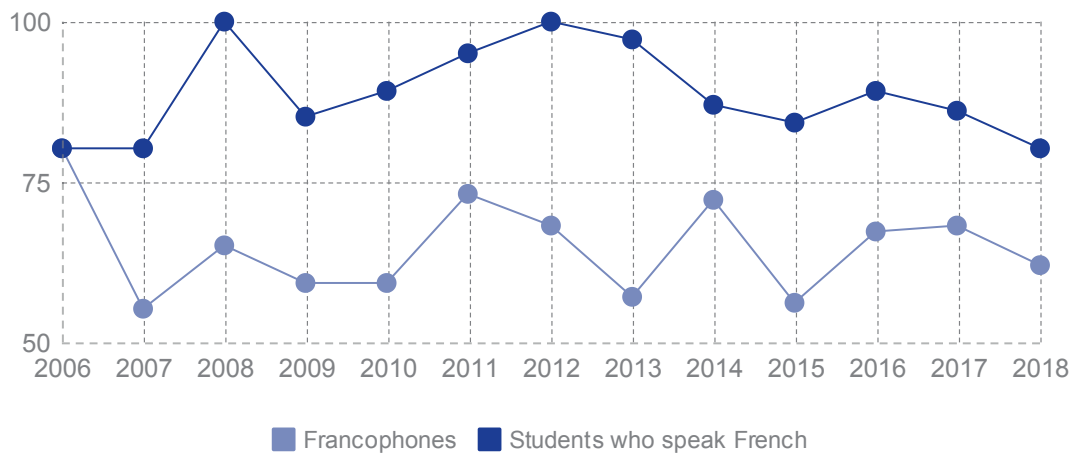
Administration (47.30%) Engineering (44.32%)  
Computer Science (8.38%)



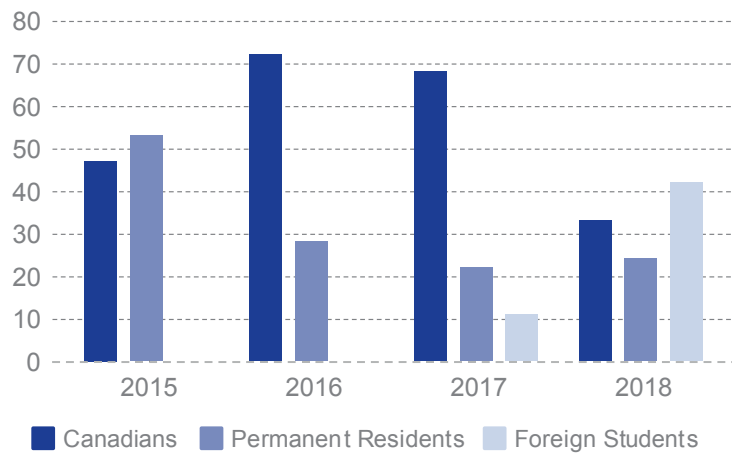
% OF SCHOLARSHIPS AWARDED TO WOMEN, PER YEAR



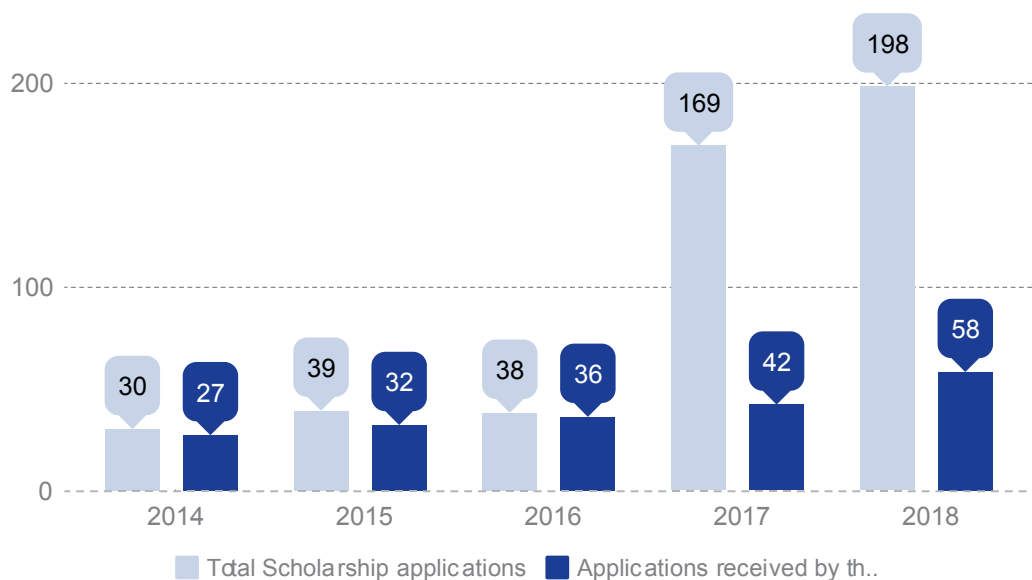
% OF FRANCOPHONE SCHOLARS AND % OF SCHOLARS WHO CAN SPEAK FRENCH



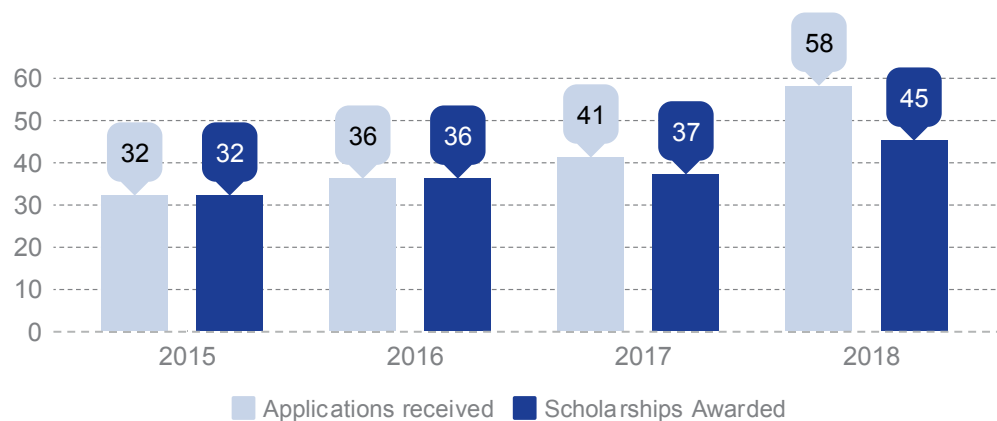
% OF SCHOLARS WHO ARE FOREIGN STUDENTS



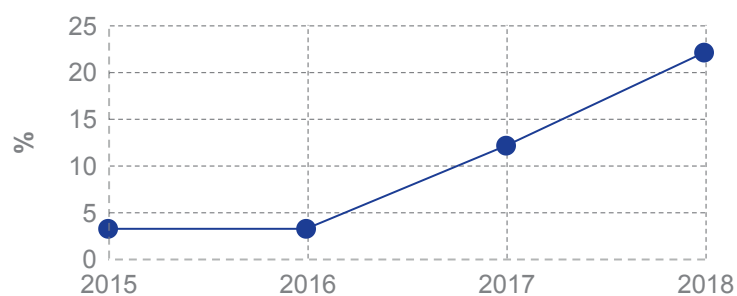
### TOTAL NUMBER OF APPLICATIONS RECEIVED BY UNIVERSITIES VS NUMBER OF APPLICATIONS SUBMITTED TO THE FOUNDATION



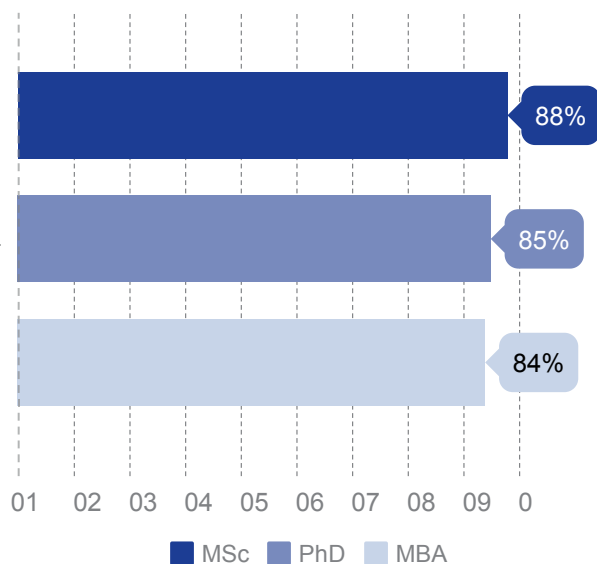
### NUMBER OF APPLICATIONS RECEIVED BY THE FOUNDATION VS NUMBER OF AWARDED SCHOLARSHIPS



### EVOLUTION OF THE REFUSAL RATE



% OF FORMER SCHOLARS  
WHO HAVE COMPLETED THEIR STUDIES  
AND REMAINED IN CANADA



198

Total number of scholarship applicants in 2018

29%

Percentage of total applications sent to the Foundation  
by universities (versus 97% in 2016)

58

Total interviews conducted by the Foundation in 2018

22%

Refusal rate in 2018  
(versus 3 % in 2016)





## SCHOLARSHIP SUMMERY 2018-2019 13<sup>TH</sup> YEAR

| UNIVERSITY                             | NAME OF STUDENT               | DEGREE   | AMOUNT    |
|----------------------------------------|-------------------------------|----------|-----------|
| NEW                                    |                               |          |           |
| UNIVERSITY OF SHERBROOKE               | Marcel Masineau Tadzong Kenne | DBA      | \$17 000  |
|                                        | Nancy Youssef                 | DBA      | \$17 000  |
|                                        | Mebrahtom W Beraki            | Doctorat | \$17 000  |
|                                        | Thierno M Diallo              | Doctorat | \$17 000  |
|                                        | Pierre Grandjean              | Doctorat | \$17 000  |
| UNIVERSITÉ DE MONTRÉAL                 | Zoe Desborough                | Doctorat | \$17 000  |
|                                        | Philippe Lacaille             | Doctorat | \$17 000  |
|                                        | Vijaya Sai Krishna Gottipati  | Maitrise | \$10 000  |
| CONCORDIA UNIVERSITY                   | Brindha Shree A               | Maitrise | \$10 000  |
|                                        | Muhammad Akbar                | Maitrise | \$10 000  |
|                                        | Rabiah Alqudah                | Maitrise | \$10 000  |
| ÉCOLE DE TECHNOLOGIE SUPÉRIEURE (ETS)  | Khalid El Ghaoui              | Maitrise | \$10 000  |
|                                        | Stéphanie Allogba             | Doctorat | \$17 000  |
|                                        | Gabrielle Crétot-Richert      | Doctorat | \$17 000  |
|                                        | Hussein Slim                  | Doctorat | \$17 000  |
|                                        | Roseline Agomma               | Doctorat | \$17 000  |
| UNIVERSITÉ DU QUÉBEC À MONTRÉAL (UQAM) | Anabelle Dagenais             | Maitrise | \$10 000  |
|                                        | Amir Mohamed Bourathou        | Maitrise | \$10 000  |
|                                        | Mélanie Bonello               | Maitrise | \$10 000  |
|                                        | Yann Vuillermoz               | Maitrise | \$10 000  |
|                                        | Joanie Lachapelle             | Maitrise | \$10 000  |
| ÉCOLE POLYTECHNIQUE DE MONTRÉAL        | Tanguay Artz                  | Maitrise | \$10 000  |
|                                        | Kwassi Degue                  | Doctorat | \$17 000  |
|                                        | Marcel Kaufmann               | Doctorat | \$17 000  |
|                                        | Mayani Garcia-Bernard         | Doctorat | \$17 000  |
|                                        | Isabelle Courteau             | Maitrise | \$10 000  |
|                                        | Emilie Thibault               | Maitrise | \$10 000  |
| MCGILL UNIVERSITY                      | Julian Skirzynski             | Maitrise | \$10 000  |
|                                        | Brenden Moeun                 | Doctorat | \$17 000  |
|                                        | Hyacinth Ali                  | Doctorat | \$17 000  |
| HEC MONTRÉAL                           | Lamiaa Senhaji                | Maitrise | \$10 000  |
|                                        | Nadia Belaribi                | Maitrise | \$10 000  |
|                                        | Dmitri Kharitidi              | MBA      | \$13 000  |
|                                        | Jessica Drolet                | MBA      | \$13 000  |
|                                        | Dongkyu Kim                   | Doctorat | \$17 000  |
|                                        | Achref Ajroudi                | Maitrise | \$10 000  |
| RENEWALS                               |                               |          |           |
| UNIVERSITY OF SHERBROOKE               | Serges Martial Pouani Kameni  | DBA      | \$17 000  |
| CONCORDIA UNIVERSITY                   | Aoran Zhang                   | Doctorat | \$17 000  |
|                                        | Negar Salimzadeh              | Doctorat | \$17 000  |
| UNIVERSITÉ DU QUÉBEC À MONTRÉAL (UQAM) | Marie-Claude Savard           | Doctorat | \$17 000  |
|                                        | Audrey Bourgouin              | Maitrise | \$5 000   |
|                                        | Adote Atialété Tounou-Akué    | Maitrise | \$5 000   |
| ÉCOLE POLYTECHNIQUE DE MONTRÉAL        | Armstrong Tita Foundjem       | Doctorat | \$17 000  |
|                                        | Anne-France Bolay             | Doctorat | \$17 000  |
| HEC MONTRÉAL                           | Ella Dias Saraiva-Patelli     | Doctorat | \$17 000  |
| TOTAL AMOUNT FOR 45 SCHOLARSHIPS       |                               |          | \$614 000 |

# OUR SCHOLARS AND THEIR SUCCESS

## CONGRATULATIONS TO OUR SCHOLARS

### ROSELINE OLORY AGOMMA

who was awarded the 2019 National Bank Dobson Cup by the National Bank. Gynoteck, co-founded by Roseline, wins second place in the "Health Sciences" category, winner of the 2019 series, powered by National Bank.

### THIERNO MAMOUDOU DIALLO

for his publication :

Diallo, T. M., Pougoué Mbeunmi, A. B., El-Gahouchi, M., Jellite, M., Arvinte, R., Aziziyan, M. R., ... Boucherif, A. (2019). «Hybrid epitaxy technique for the growth of high-quality AlInAs and GaInAs layers on InP substrates». *Journal of Vacuum Science & Technology B*, 37(3), 031208.

### STEPHANIE ALLOGBA

for the 2019 Award for the Dissemination of Research Grant and its presentation at the «Best Paper Competition», held at the Asia Communications and Photonics Conference (ACP), 26-29 October 2018.

and for her communications :

S. Allogba et C. Tremblay, "K-Nearest Neighbors Classifier for Field Bit Error Rate Data" presented (in the "Best Paper Competition"), *Asia Communications and Photonics Conference (ACP)*, Hangzhou, China, October 26-29 2018.

C. Tremblay, S. Allogba and S. Aladin, "Quality of Transmission Estimation and Performance Predictino of Light-paths using Machine Learning", *45th European Conference an Optical Communication (ECOC)*, Dublin (2019).

### OLIVIER GOUGEON

for his communication :

C. Masse, O. Gougeon, D.-T. Nguyen, and D. Saussie, "Modeling and Control of a Quadcopter Flying in a Wind Field: A Comparison Between LQR and Structured H $\infty$  Control Techniques," in *2018 International Conference on Unmanned Aircraft Systems (ICUAS)*, Dallas, TX, USA, 2018, pp. 1408–1417.

### NADIA BELARIBI

for her appointment to the HEC Montréal Honor Roll in Financial Engineering.

### LAMIAE SENHAJI

Recipient of the CDPQ's Relève Prize!

### KWASSI HOLALI DEGUE

winners in North America (USA and Canada) of a scholarship of excellence of the German Academic Exchange Service (DAAD).

and his communications :

K. H. Degue, J. Le Ny. "On Differentially Private Gaussian Hypothesis Testing" *Proceedings of the 56th Annual Allerton Conference on Communication, Control, and Computing* (Allerton). October 2018. Monticello, IL, USA.

K. H. Degue, D. Efimov, J. Le Ny and E. Féron. "Interval Observers for Secure Estimation in Cyber-Physical Systems". *Proceedings of the 2018 IEEE Conference on Decision and Control (CDC)*. December 2018. Miami Beach, FL, USA.

Chers membres de la Fondation Arbour,

J'aimerais vous faire part de mes remerciements sincères pour avoir été sélectionné pour une bourse Arbour. Cette bourse est pour moi tellement plus que du financement. Ce prix représente une opportunité de faire ce que j'aime, de redonner à ceux qui en ont besoin, et de contribuer aux sciences thérapeutiques.

Grâce à l'appui de la bourse Arbour de la Fondation, je pourrai travailler sur une nouvelle méthode de fabrication d'un pancréas bioartificiel pour le traitement permanent du diabète de type 1. Spécifiquement, cette bourse servira à financer les efforts envers la conception d'un dispositif de transplantation d'îlots grâce à la bioimpression, c'est-à-dire l'impression 3D de cellules vivantes. Les tissus artificiels bioimprimés qui sont obtenus pourraient augmenter la survie des îlots suite à la transplantation pour créer un environnement plus biomimétique favorisant leur fonction et donc l'efficacité à long terme de la greffe.

J'ai hâte de passer une année pleine de travail et de découvertes. Merci encore pour la bourse très généreuse; je voudrais vous assurer que je vais conduire mon travail avec passion, professionnalisme, et intégrité.

Cordialement,  
Brenden N. Moeun

Dear Arbour Foundation Scholarship Donors,

As the recipient of the 2018-19 Arbour Foundation Scholarship, I would like to express my sincere gratitude for the Arbour Foundation. I am very honored to be selected for this scholarship and I am very appreciative to your support. This scholarship will reduce my financial barriers and will allow me to focus all my efforts on my PhD research and career development goals.

Currently, I am pursuing a PhD in Electrical Engineering at the University of Sherbrooke. My research focuses on developing smaller, efficient and better performing power electronic converters for sustainable transportation. This will enhance the widespread of efficient electric and hybrid vehicles resulting in reduced emissions, calm environment due to noise reduction and reduced dependence on fossil fuels. Furthermore, the research results are targeted to benefit electric mobility and renewable energy integration, which are essential application areas to sustainable development. I will focus to gain the necessary skills and practical experience to become a successful professional in the sustainable transportation sector.

Thank you again for Foundation Arbour. I greatly appreciate your generosity in supporting my Ph.D. studies and career development. I will work hard with much more dedication to honor your support and commitment.

Sincerely,  
M. Beraki

Chères Chelsea, Marine et cher Philippe,

Ce matin a eu lieu la cérémonie de remise des bourses de la Fondation Arbour à HEC Montréal. Cet événement, conjugué avec la soirée de célébration de M. Pierre Arbour, et l'approche des fêtes me font me sentir reconnaissante. C'est pour vous exprimer cette reconnaissance que je vous écris.

La célébration de la vie de Pierre Arbour a été un événement plus marquant que prévu pour moi. Un de ces événements que l'on n'oublie pas. Cette soirée m'a marquée premièrement parce que je me suis rendu compte que, pour vous tous, distribuer des bourses était une affaire personnelle, importante et généreuse. Je trouve que vous faites votre travail avec de l'intérêt du respect et de l'amour pour votre

# TESTIMONIAL & THANK YOU'S

prochain et ça m'a beaucoup touchée. Ce qui a aussi été important pour moi a été d'entendre la vie de Pierre. J'ai trouvé qu'il avait l'air tellement courageux et sans peur, ça m'a inspirée.

Recevoir deux bourses de la part de la Fondation m'a été utile, premièrement pour des raisons financières, évidemment, mais surtout ça m'a permis de construire une confiance en moi (et ça, c'est quelque chose !). Ça m'a aussi donné confiance en l'humain en général. Savoir que des gens comme Pierre, comme vous, existent a embelli ma perception du monde. Vous m'avez enseigné les bienfaits de la générosité et je vous promets de transmettre cette leçon à d'autres.

Je souhaite que cette lettre participe à vous encourager à continuer votre beau travail : aider les gens travailleurs, et méritants avec besoin financier. Merci pour tout. Sachez que je garde toujours une pensée pour Pierre Arbour.

Ella DS Patelli

Chers membres du conseil d'administration,

Je tiens à remercier de tout coeur les membres du conseil d'administration de la Fondation Arbour de m'avoir choisie comme lauréate. J'en suis très honorée et reconnaissante. La bourse que vous m'avez octroyée m'est d'un grand support. En effet, un montant de cette envergure ne peut qu'avoir un réel impact sur la vie d'une étudiante dans ma situation! Grâce à celle-ci, je peux me concentrer pleinement sur ce qui me tient le plus à coeur et qui me passionne énormément : une carrière de docteur en génie chimique. J'ai maintenant le privilège de subvenir à mes besoins sans être obligée de travailler donc j'ai quitté mon emploi de serveuse en restauration tout en conservant mon emploi au département du recrutement de Polytechnique Montréal. Je me concentre sur mes activités scolaires : recherche, enseignement et promotion de la formation d'ingénieur auprès des jeunes, particulièrement en ciblant la gent féminine.

L'obtention de la bourse de la Fondation Arbour m'a incitée sans équivoque à passer de la maîtrise au doctorat. Le fait de me consacrer pleinement à mes études m'a fait réaliser que je souhaitais aller au maximum de mes capacités. Ma recherche me passionne énormément et je veux réellement faire une différence pour les générations futures et pour le Québec. Je sens que mon doctorat a le potentiel de faire changer les choses dans le domaine des pâtes et papiers. L'avenir de ce secteur est prometteur si tous les intervenants collaborent étroitement pour atteindre une vision globale : le développement durable.

Depuis plusieurs années maintenant, je participe fièrement à plusieurs événements qui font la promotion du génie et des sciences en général. Je partage sincèrement les valeurs de la Fondation Arbour et j'en fais mon devoir de promouvoir la science auprès des générations québécoises futures. Celles-ci ont un réel potentiel de transformer le monde tel qu'on le connaît aujourd'hui et de l'innover. Pierre Arbour était un grand visionnaire qui a su voir le potentiel créatif, technologique et économique des québécois(e)s et a grandement investi dans celui-ci. Je tiens à prouver qu'il avait raison de le faire.

L'obtention de cette bourse m'a permis d'atteindre un équilibre de vie qui, jusque-là ne m'était pas accessible dû au nombre d'heures que je devais consacrer à travailler pour payer mes subvenir à mes besoins. Je peux maintenant vivre pleinement mes passions. Outre ma recherche, je partage de bons moments avec ma famille et amis, je me suis inscrite à un défi-vélo, je fabrique une gamme de savons, je vais nager plus régulièrement, etc.

Finalement, je tiens à vous réitérer que je suis très fière d'avoir remporté cette bourse de la Fondation Arbour. En être récipiendaire fut un élément fort motivateur pour moi, en plus de catalyser mon désir d'excellence et d'approfondissement de ma recherche. Également, la Fondation m'a octroyé le privilège d'être mentorée par Diane de Champlain. Cette collaboration avec ma mentore m'a permis d'élargir mes horizons, mon entourage et mes ambitions. Je la remercie du fond du coeur du temps qu'elle me consacre et des conseils qu'elle me prodigue.

Veuillez agréer, chers membres du conseil d'administration, mes sentiments les plus reconnaissants.  
Émilie Thibault

FONDATION ARBOUR  
1434 rue Sherbrooke O  
Bureau 300  
Montréal (QC) H3G 1K4

514-844-5990  
fondationarbour@gmail.com  
www.fondationarbour.ca

