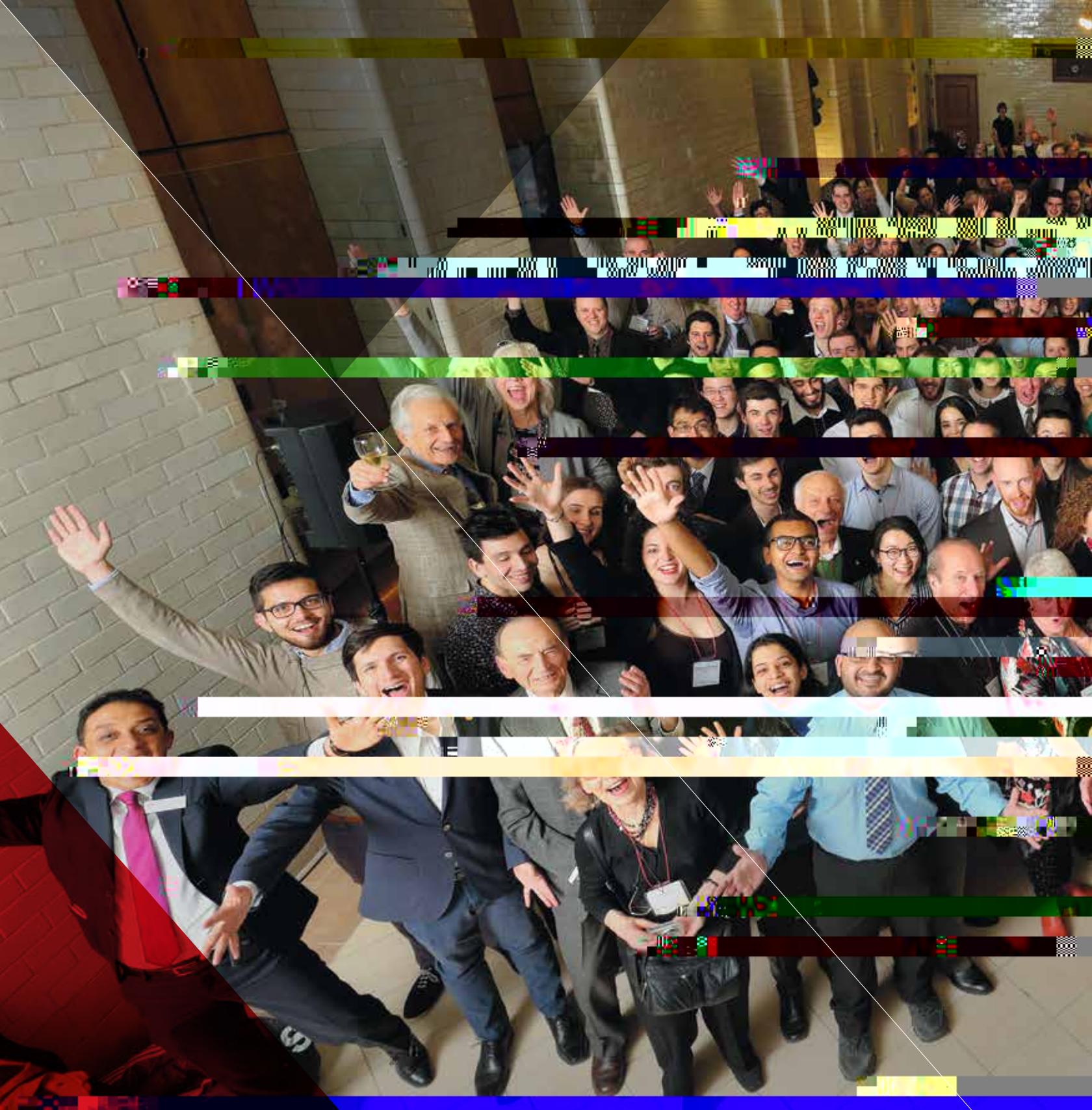


“ NEVER DOUBT THAT  
A SMALL GROUP OF THOUGHTFUL,  
COMMUNITED CITIZENS CAN CHANGE  
THE WORLD. INDEED, IT IS  
THE ONLY THING THAT EVER HAS. ”



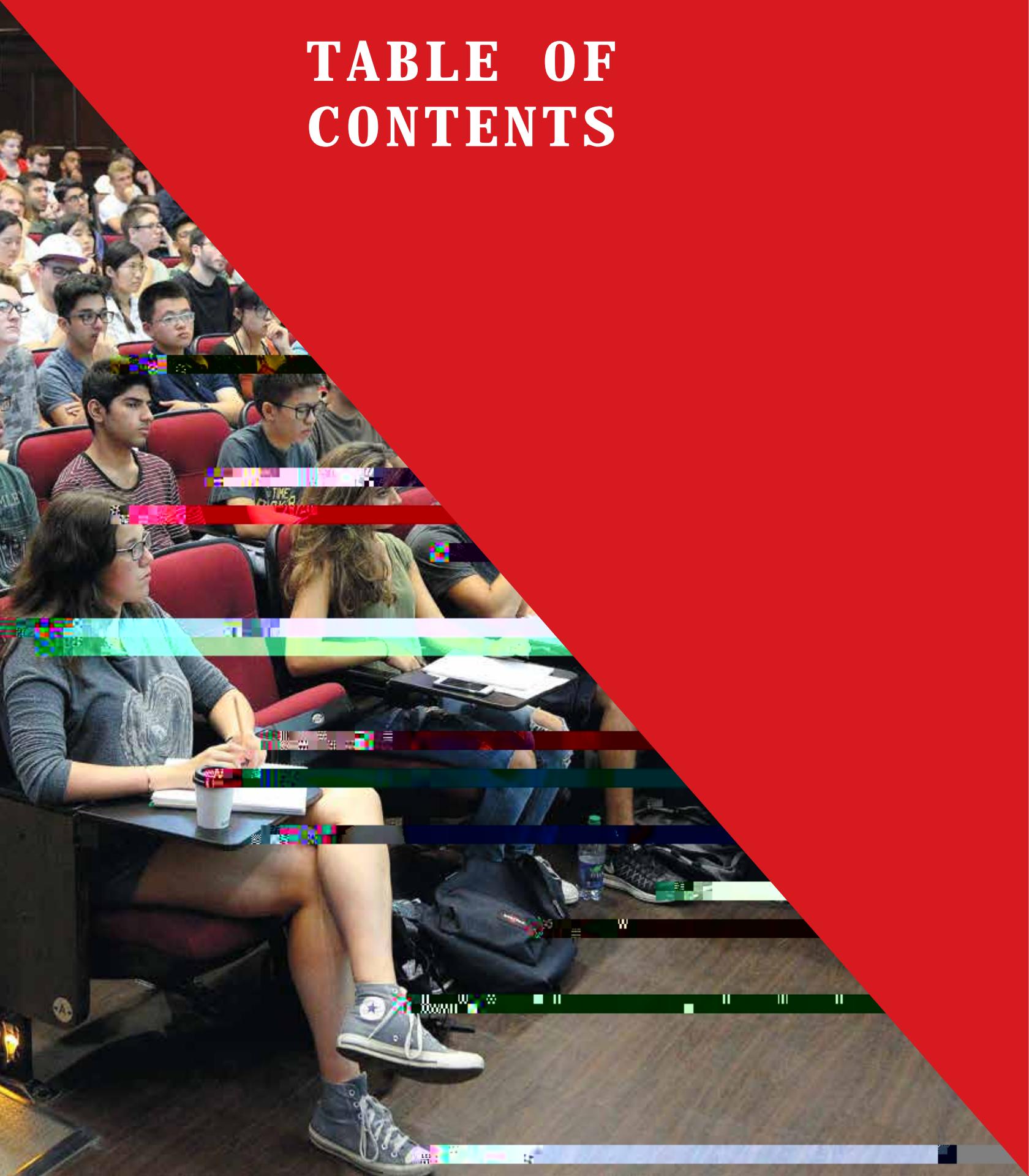
The McGill Faculty  
of Engineering community  
celebrates at the Annual  
Reception in Honour of  
Our Philanthropists in April 2016.

# THANK YOU!

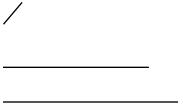


Generous support to the Faculty of Engineering from alumni such as you enables ground-breaking research and helps educate tomorrow's leaders. By giving to your Alma Mater,

# TABLE OF CONTENTS



A MESSAGE FROM DEAN NI CELL

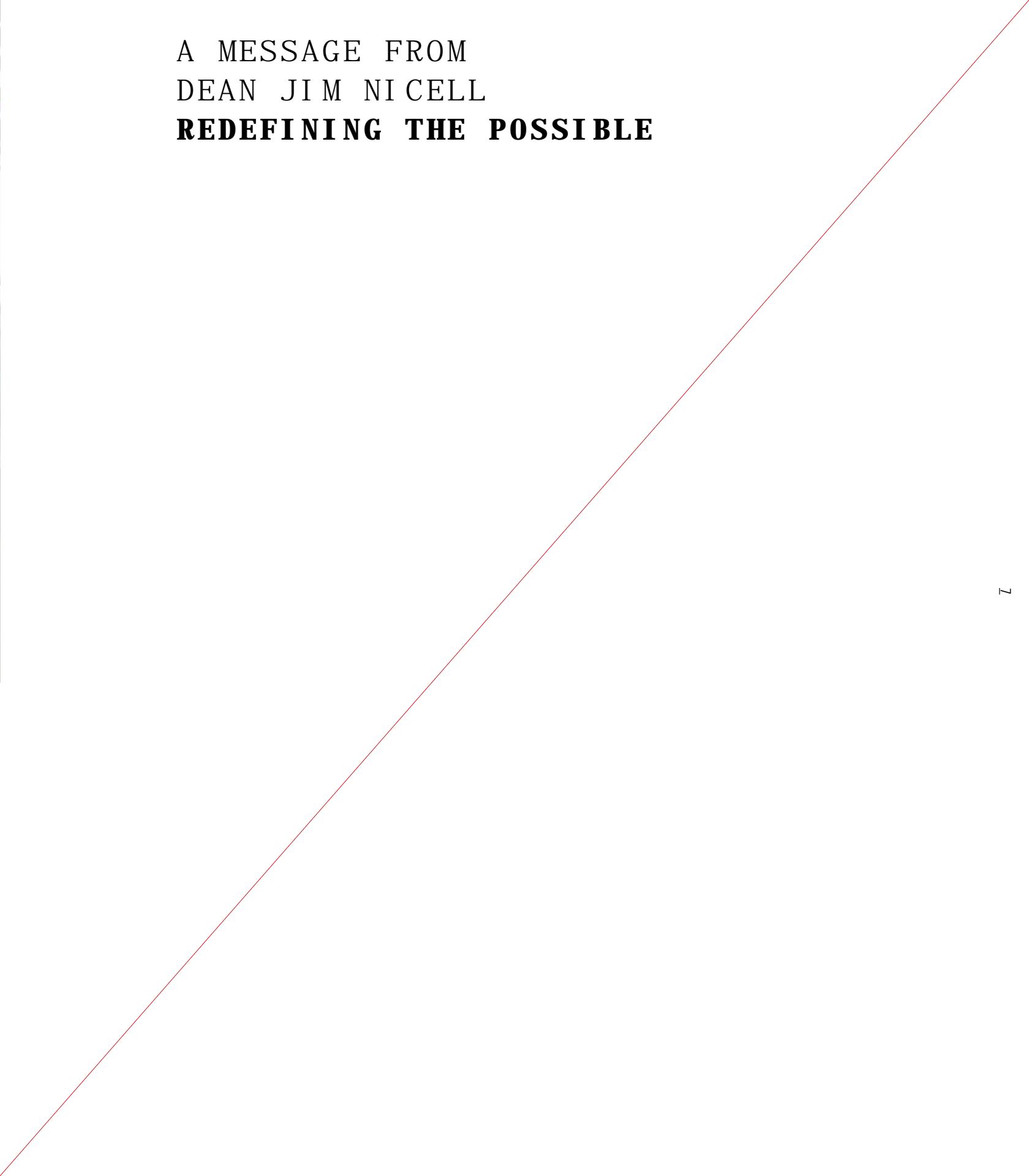




“Your partnership  
enables us to make  
quantum leaps forward  
in education.”

Alumni Les Vadasz (BEng '67, left) and Dean Jim Nicoll, during Mr. Vadasz's visit to McGill in September 2016.

A MESSAGE FROM  
DEAN JIM NI CELL  
**REDEFINING THE POSSIBLE**



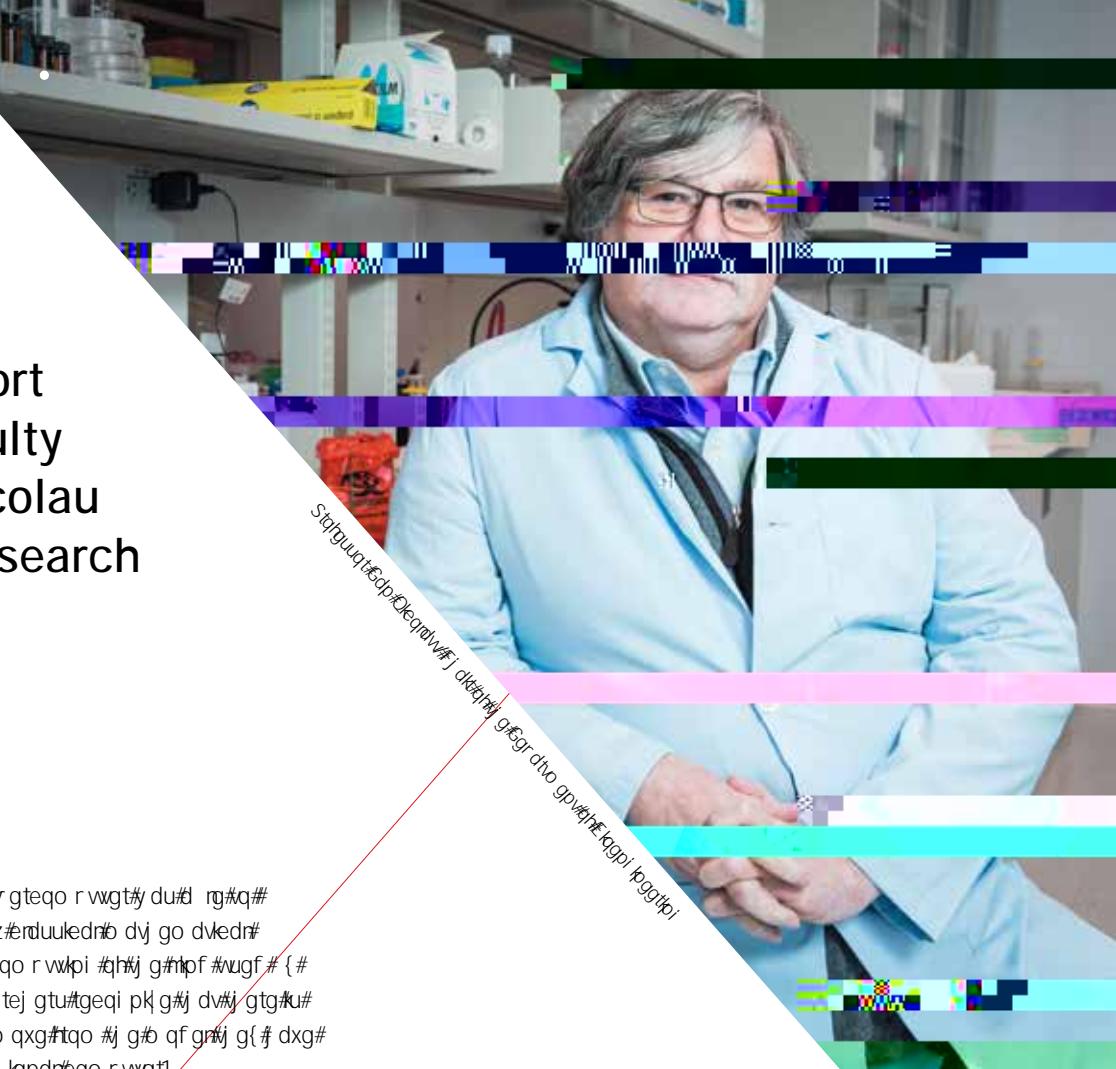
# BIOENGINEERING RESEARCH







Thanks to the support  
of friend of the Faculty  
Marika Roy, Dan Nicolau  
can continue his research  
at McGill.



#### FROM MODEL TO REALITY

Dnj qv̄ j #j g# qf gr# lqQuvr gteqo r wvgt# du# rg#q#  
g elgpvr #demg#d#eqo r nqz#nduuledn# dyj go dvled#  
r tq nro # {#ulpi # dtdnqneqo r wlpj #qhtj g#nlpf #wugf # {#  
uvr gteqo r wvgt#j g#gugdtej gtu#geqj pkj g#j dv#j gta#u#  
kmd#qv#qhtj qtm#dj gdf #q# qxg#tqo #j g# qf gr#j g{ # dxg#  
etgdvgf #q#d#v#nQuedrg#twp lqpdn#eqo r wvgt#  
Vj dpnu#q#j g#lwr r qt#qhtjgpf #qhtj g# devn# P dtkn#Uq{/#  
Gdp#Qleqr#d#v#d#p#qpv#pvg#j k#tugdtej Jdv#PeJ kn1  
Udaj #j dv#j k#b qf gn#zj u#du#t#y d{ #qhtv#eeguuhw#  
f gdripi #y kj #d#t#kpi rg# tq nro #j gtg#dtg# qkpi #q# g#b dp{ #  
qj gtu#j q# k#tq#q#y #v#dpf #t{ #q# wuj #k#wtvj gt#ulpi #  
fk gtpv# lqraqi ledn#di gpw#q#tq#zdo r nq#tud{ u#Qleqr#d#  
UvB# dtf #q#tud{ # qy #qqp#k#y kn# g# ghq#tq# g#ugg#d#v#n#  
uedrg# lqQuvr gteqo r wvgt#Rpg#qr vq#q#t#f gdripi #y kj #d#t#i gt#  
dpf # qtg#eqo r nqz# tq nro u#b d{ # g#q#eqo lpg#q#t#f gxleg#  
y kj #t#eqpxgpxlqpdn#eqo r wvgt#q#q#to #t{ t#f # gxleg#  
Uk j v#p#qy #g#q#t#q#t#p#d#dtlgv#t#h# d{ u#q# wuj #  
vj g#gugdtej #wtvj gt#



"What's wonderful about  
vj g#Elqd kxg#Pdvgtkdnu#Od #  
is the interdisciplinarity  
of the team."

# THE PHYSICS OF DISEASE

Egj kpſ #ij g#erqugf # qqtu#hP letqueqr { #Uqqo #E0884 AP ej km#  
Hpi kpgettpi # wf gpvK dtvnd#quj lg#Sj G#54#y kej gu#j #ij g#  
qxgtj gdf #ik j vwdpf #igw# gtugrh#r #p#tqv#h#j g#aphqedr#  
o letqueqr g1W#y g#udo r r#q#p#j g#b letqueqr g# di g#dr r gdtu#p#  
vj g#eo r wgt#ietggp#q# gt#g Û d#k d r#q#vqguegpv# tggp#  
edpegt#egm#p#j g#egpvtg#h#d# drdz{ #h#uo dm#tgf # quv1  
Vj g#df lw u#j g#pq u#h#j g#b letqueqr g#q# v#j g#o di g#

# MARIKA' S JOURNEY

l#u#pgdtr# kfpkj v#tp#Gego gt#4##k89# k j #p#j g#  
Kvpi dtkp#Dr u1D#ur# j v#tpf #pgtxqwu#4 QgdtQqr# k#t# tguugu#  
di dk# f gt#o qy gt#p#j g# dem#h# qtugOf tdy p#urg# j #  
tdelki f qy p#d#upqy O r#y p#qdf #j dv#y lpf u#tqwpf #d# ggr #



l#Uq{ #u#j dpmhwnqf gtf d{ u#dvP eJ knHpi kpggtki /kau#  
r dtv{ #qt#j gtf wedvqp #t# dxg# gtf dtv{ #j dv# gf # gt#q#  
dp#xgpwdn#dtgg#d#F dpdf ldp#P dteqpk# qo r dp{ #FPF, # vw#  
o q r# gedwug#y du#j gtg#j g# gv# gtf wu dpf OqO g#/

Drlp#Uq{ #E Hpi #94#

D# tpej Cf dpdf ldp#tqo #WqkuOjkk tgu#Uq{ #y du#duq#d#  
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ê                5            t            t{            xgpb            q            |            a            /\$ x            x# d    g            /            #ê

# FAMILY FOUNDATION

Z j gp#E dt{ #qqng#E hpi B 8, # dtvgf #j lpmipi #d qwf qy #q#  
wtp#j g#twku#hj ku#weeguuuhngpi lpggtlpi #dtggt#pvq#d#  
rd lpi #gi de{ #j ku#j qv j v#pdwtdm# wtpgf # dem#q#P eJ km#  
Hf wedvqp#y du#t gt#dm#d#do kr{ #d dk#P dp{ #hj ku#enqu#  
tgrdvqu#y gtg#f wedvqu#f ku# tqj gt# df # ggp#d#gdej gt# ku#  
hdj gt#d# tpekr dn#dpf #d# dpf h#qhdvpu#dpf #eqwulp# df #  
i qpg#pvq#j g#gfrf #lu# gm#  
Ew#k#b k j v# dxg# ggp#t#uvtr tlu#q#uqo g#j gp# g#j qug#  
vq#j d m#j g#qqng# gm#uj kr #p#E lqgpi lpggtlpi #dv#P eJ km#  
lp#53481  
lp#4-96#F qqng#b# Q gdtOqr#t #eqwulp#Uqp#F qqng# tqqng#  
j ku# lpg#p#d# kxlp# deek# gpv#gdxlpi # lo #p#d#j gg#j ggrej dkt#qt#  
n#q1#dvg#F qqng# gxgrqr gf #t#qgp#pvgtg #p# ku#eqwulp#b#  
eqpf lkqp#y j lej #gf #vko dvgn #q#d# gtuqpd#pvgtg #p# kpdn#  
eqtf #plwt{ #gugdtej #dpf # lqgpi lpggtlpi " Oqr# # Oqn

f #qqm

# eLATE!



Professor Lawrence Chen (BEng '95) leads a class

# THE FACULTY OF ENGI NEERI NG' S ' ENHANCED LEARNI NG AND TEACHI NG I N ENGI NEERI NG'

eODWH #LQLWLDWL YH#KDV#VSDUNHG#  
I NSPI RI NG PEDAGOGI CAL  
I NNOVATI ONS I N THE FACULTY.

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lpkldvkg/#ODWH# du#kpeg# geqo g#d#edvdrl# qt#d# tdo dv#  
ewwxtg#ej dpi g#p#gdej kpi # td legu#p#j g# deww{1#  
I tqo #ek r gf #enduutqqa u#/j gtg#j g# wf gpwu#dmq#dp#d kkg#  
tqrg#p#j gk#gdtpkpi # tqeguu#q#j g#ug#htuo dtv j qpgu#qt#  
lo o gf kdvg#ggf dem#qp#pOenduu#luuk po gpwu#ODWH#eqp kwwgu#  
d#txqrwkp#p#gpi kpggtipi #gf wedv\qp#p#j lej #gdej kpi #u#  
gpj dpegf # {#gxkf gpegO dugf # td legu#



Over 2,600 s udents  
have been impac ed by  
the program since 2013.



More than 50 professors  
have participated in TEI and  
eLATE ac ivities.



25 Research Assis ants (RAs)  
have been hired through TEI  
and eLATE programs.

# eLATE: A TIMELINE OF SUCCESS



# gODWHAvtdvgi kR lg kggu

#PROMOTE A CULTURE OF THINKING ABOUT EDUCATION AS A RESEARCHER WOULD.

ENHANCE A CULTURE OF TEACHING AND LEARNING FOUNDED ON EVIDENCE-BASED PRACTICES.

DEVELOP A CULTURE OF LIFE-LONG LEARNING AMONG THE ENTIRE ENGINEERING COMMUNITY (STUDENTS AND FACULTY MEMBERS).

2015

**APRIL**  
Arthur Allan McAlear (BEng '57) establishes an Endowment for Education and Research in Engineering that includes funding for active-learning projects.

**MAY**  
Professor Eric Mazur from Harvard University and designer of the Peer Instruction teaching method, gives his presentation "Assessment: The Silent Killer of Learning" to more than 300 participants from more than 14 institutions at the 2<sup>nd</sup> Active Learning Conference.



**JULY**  
Former Dean and passionate educator Gerald Famell endows a fund dedicated to improving the quality of education through the TEI.



**NOVEMBER**  
Chemical Engineering Professor Anne Kietzig is awarded the Principal's Prize for Excellence in Teaching, Assistant Professor category for her work using eLATE principles and methods.



2016

**MAY**  
Former Provost and Vice-President for Academic Affairs, University of the District of Columbia, President of the Best Teachers Institute and renowned author Ken Bain is the guest speaker at the 3rd Annual Active Learning Conference with a talk on fostering deeper learning, with 255 participants.



**AUGUST**  
The McAlear Endowment for Education and Research in Engineering grants are established for in-class teaching enhancements.

**SEPTEMBER**  
The Teaching Enhancement Initiative evolves into the larger umbrella program 'eLATE', the Enhancing Learning and Teaching in Engineering.

# **TEACHING INTELLIGENCE**

MDP

**SO WHAT DID YOU DO IN YOUR CLASS?**

# SO eLATE- D!

Selina Liu (BEng' 15, MEng' 17) shares her diary of what it was like to be an undergraduate student in the Faculty of Engineering in the inspired active learning environment of Enhanced Learning and Teaching in Engineering (eLATE).

MONDAY

5SP # qv# { #t #duuk po gpv# \$tq!guuqt# Ag # q kem#  
enduu# /p two gpvdVqp#dpf P gdutgo gpv# Ag# kxg#u# dpf uO  
qp#qzr gt!gpeg# /p#qzr g!ko gpv#dpf # ggt#gxky u# gB# kxg#  
w# rmg! tlpw#tq#d# { epqo gvgt#d# gxleg#u!p! #t# tguuwtg#  
ugpuqt#q#b gdutg#j g# gpuk{ #h#d#udo r rg#12 g# gv#q# q#q#  
y g# dtv y dtg# qtg#q# gv#b dvgt!dr#q# w!f #kW] qwf# g#vp\$  
#

## TUESDAY

4BDP #p#stqguuqt#DppgAllgv k b#fj go lednUgd lqp#  
Hpi lpggtlpi #rdluu/g# df #t# qr #v#k#o kOy d{ #j tqvij #j g#  
erduu1A#b#DppgB#y d{ #h#k lpi #j d#v# g#t#q#dtpki #du# g# q#  
drapi 1# g#v#u#g#qv#t#dl var u#t#e#gm# j qpgu#q#lqpf #p#tpuy gtUJ  
f kdi tdo u#t#gvz# g#tw o k#qv#t#tpuy gtu#q# gt#dpf #j g#edp#  
i kq#u#t#qgf dem#k j v#j q#tpf #j qtg#t# qv#j dvgxq#t# tq rgo u#

y g#b k j #v g# dxlpi 14y gp#tj g# wxu#wlp# tqvr ut#q# g#edp#  
vgdej #dej #qv gt#j dv#g# gtg#pqv# g lpi 14B#edmgf #Qdtpkpi #  
Fdvdrl vleutdpf #B#d# tgdw# d{ #q# d{ #gpi di gf #p#j g#erduu1

; SP #!# tgr dtgf #!#t# { #wqtldn#dvg#t#j g# ggm#tqtnlgv k# B#  
Fj go ledn#Ugd lkpun#y dvej gf #D#A#pdvj dp#gttgvB#Nj dp#  
Defd go {O {rg#etggp#edr wtg#k#qg1#KgB# g#gdf lpi #j g#  
wwqtldn#KgB# qipi #q#dng#u#j tqw j #d#k r gf B#duutqqo #  
{rg#dpf #ugtxg#du#d#dekt#dvt#p#qvt#d kg#gdtplopi 1#  
#

WEDNESDAY

<DP #P { # tqwr #tqo #j g#p two gpvdVqp#erduu#y gpv#q#j g#j dft y dtg# qtg#j kub qtpki #q# gv#j g#b dvgtldnu#qt#qvnt# r { epqo gvt#l#gd#k g# qy #pvgtg lpi #k#u#q#pf gt dpf # qy #d# r lgeg#q#hd #gsvkr gpv#y qtnu#tqo #j g# tqwpf #nr #hdj gt#j dp# lw #wug#k#A#qo gj qy #k# dngu#j g#b gdutwpi # tqeguu#rgdtg#t# Srwu#k# tgdV#q# dxg#d# q#d#v#u#l#p# i#m#j g#qru#k#j g#d \$

4SP-#Kdf #wnej # kWuN

~~dpf#/g#q#/dmtpi #l qvw/d lkg/gdtpki 1/V j g#W # df u/NQ  
y kVu qhguuqt#/lpegpvFj w tqo #fkxktp#/j leVu  
vj tgg#lo wrd/lqpu/qhp/wo gtedn#gzr gtlo gpvu1Dr r dtgpv1#v  
y du/d# tgdv/dngtpd/wg#legpdltq/#q#pf gt dpf lpi #j { uked  
rd qtdvqt#/gzt gtlo gpvu/j dv#tq#lrgdf { #d# dtv#qh#j gkt#  
ewttlevwmo 1#~~

THURSDAY

7-63SP ~~#Mf d# p#j g##wqtlndy kVu gttgv#p gdf qhtuqnlp# rapi Cdpuy gt# tq rgo u##qwt##wqtlndy# gi dp#y kVu#N gxlg# qhtgngxdpv#b dvgtldn#fqmg yf # {#pf gr gpf gpv#y qt#p#i #k o g# y j gtg# wf gpw#y gtg#tgg#q#pvgtd #y kVu<sup>a</sup> eqpear w#t kVu~~

LvBu#uq#b weVu qt#pf gt dp  
ear { koi #f ay p#bpuv qtu#tao #d# i ka adtf \$

EPI DAY

43DP # g#pdrlugf #j g# qtqku# qh#eq gg# tdkpu#qf d#p#  
J q le B#p two gpvdvkqp rduu# kVu {epqo gvgt#y g#  
wkv# d wqvuv# dpf uCap zr gtlge /dpf #y j dv#d# tgdv# d#/  
dnua#q#pfgt dpf # qy #q#d dng#d. g gt#ewr qh#eq gg#Qqy #  
y g# dxg#q# q#q #dpf #y tkg#dp# e dn#d gr qt# dugf #p#  
j ku#gzr rdpdvkqp h#j g# tqegu10gqv#y ggm#y g#n# n#q #pvq#  
i tqwr u#q# ggt#gxlg y gdeVu B#y qtml#y dv#tjj qwr# gnt#  
tloj #v# y g# vdt#v# qh#j g#gr qtvi

ÜvBu#edngf #Ogdtpkpi #dvdr{ vkeu#  
dpf #kvBu#d# tgdv#y d{ #q# d{ #  
engaged in the class."

VgHpoJm#-Hpi BB#P Hpi D#



Hand-in-hand with Gerald Farnell's  
keen intelligence and his dedication  
to McGill during his 41 years with  
the Faculty, was his deep compassion  
dpf #eqo o kvo gpv#q# kkpi 1

Jyotish#dipgmaSj GIB: #dpf #eqo d# dipgma

# THE CARING COUPLE

MCB

Uqulq#Uuuuq#go go gtu#j g# dtpgm#gt{ # gm#Stgxkqwur{ #  
dp#duuk dpv#h#to gtGgdp# gtdrf # dtpgm#Sj GB#, #p#j g#  
I devn{ #h#Hpi lpggtipi #Uuuuq# du#lgxgp# qpjy ut tgi pdpv#  
y kj # gte#t #ej kf #y j gp#gt{ #dpf # kuj kf#Qto dt#j qy gf #  
w#d#j g# eg#apg# d{ # kj #dp#j g#h#q{ u#dpf # qqmu#j gkt#  
i tdpf ej kf tgp# df # tay p#t#v#h#

Üy g{ #dtg# qj #gt{ # geld#t gqr rg#Uuuuq#ud{ u#j# knt#  
nogr #j qug# qqmu#q#j kuj d{ #gxp#j qv#j # { #d#j vgt#u#dm#  
i tay p#r#qy #j vj g{ #dtg#q#t#k plèedp#h#t#o g#

l#u#h# #pg# qt{ #j dv#tgxgdnu#j q# dtpgm#j g# dp#y du#  
Kdpf ApQ dpf #kj # kuj#pg#pvgnti gpe#dpf # kuj gf ledvqp#  
vq#P eJ kn# vtp# # kuj#4#gdtu#y kj #j g# devn{ #y du# kuj ggr#  
eqo r duukp#dpf #eqo o ko gpv#q# kujpi 1

## SOLID STATE INNOVATOR

D g#t tdf vd#p#i #tqo #P l#y kj #d#P d g#t#p#elgpeg#/  
I dtpgm#edo g#q#P eJ kn#p#k#83#du#d#y wtgt#dpf #Sj G#/  
edpf k#dvg# dtpgm#t#txgf #du#Stq#guuqt#h#Hpi lpggtipi #Sj { uleu#  
dpf #h# tled#Hpi lpggtipi #tqo #k#9: #p#v#k#; 5#p#v#k#i #  
vgto u#du#f j dkto dp#h#j g#h# tled#Hpi lpggtipi #gr d#v gpv#  
dpf #Ggdp#h#j g# devn{ #h#Hpi lpggtipi #tqo #k: 7#p#v#k#; 7#/  
Kg#gvk#f #tqo #P eJ kn#du#Stq#guuqt#b g#t#v#k#p#k#<4

I dtpgm#y du#d# lpggtipi #q#r#O dvg#fxleg#gugdtej #/  
Kg#y du#j g#t #q# k#g#d#y wtg#p#q#r#O dvg#t#dpuk qt#  
vgej p#r#i { # kj # g#t g#G#Ro tdk#Ggdp#h#Hpi lpggtipi #  
4#9: O#k: 6#dpf # g# tqw#j v#j g#t #eqo r w#t#q#P eJ kn#p#  
4#8: #q#j g#P eF qppgm#Hpi lpggtipi #Ew#k#lpi b#q#v#t#j #qq#t#  
lp#d #y j gp# kuj g#t gugdtej #p#q#r v#e#d#j { uleu#tgs v#k#f #d#  
eqo r w#t#d# tdpgm#u#o r r#q#r v#f #q# w#k#f #q#p#q#t# lo u#h#

Gv#k#pi # kuj# g#d#f gu#d#v#P eJ kn#d# tdpgm# d#p#f #d#t#gr v#d#v#k#p#/  
du#d#f g#f ledv#f #dpf #g#p#v# v#d#l# k#t#g#d#e#j g#t#p#e#q#m#d# q#d#v#k#p#/  
y kj #eq#m#d#i v#u#l#p#f # tdf v#d#v# g#t#j#i k g#t#f #j tgg#/  
r dvg#v#f w#h#j g#f #6# dr g#t#dpf #g#t#p#f #p#v#t#p#d#v#k#p#d#/  
tgej#p#k#k#p#t#q#t#f# kuj#g#t#g#d#t#e#j #p#t#j g#t#q#r#d#i d#v#k#p#t#h#D#e#q#w# le#  
V#t#h#e#g#Z dxgu#p#t#p#k#u#q#v#t#q#r# le#b dvg#t#d#n#u#v#j k#t#q#d#f #q#t#j g#/  
f g#x#m#r o g#p#t#h#d#f l#q#t#g#s#v#p#e# { #e#n#t#u#p#q#y #v# k#v#q#u#p#/  
o q k#j q#p#u#t#

## PHILANTHROPI C LEGACY

Mjtt{ # dtpgm# duug# dy d{ #d#j g#t g#t#f v#p# g#p#t#d#n#K# q kdn#h#p#/  
Dr tk#6#/#534#81#j g#p#t#k#p#f u#d#o k{ #dpf #eq#m#d# i v#u# dy g#t#f #  
rdvg#t#j d#v#P d{ #534#h#t#d#b# go q#t#d#n#b# dp{ # q#n#j#h#f k#u#

g#d#f h# f g#u#t#g#q#f g#t#f g#t#u#j g#t#j#t#t{ #j q#y d#f g#f ledv#f #  
v#q#f k#u#j k#j#Q#t#o d#y j g#p#t#j g#e#p#v#d# f# q#n#j#d# g#t#j g#t#t#t #  
ej kf #j g#t#j#t#t{ #j q#y q#t#n#f #q#f g#t#f g#v#t#d#p#f #q#h#Z Z l#d#f l#v# #  
d#e#m#l#v#q#F d#p#f l#d#p#t#q#e#l#g#f #p#f #j g#t#j#t#t{ #j q#y d#u#d#f w#f g#/  
v#q#f k#u#j q#e#j kf tgp#dpf #q#v#t# tdpf ej kf tgp#

Mjtt{ B#l#p#f #Q#t#o d#b# g#p#t#q#u#k# #d#t#j k#d#p#v# t#r#k u#b g#p#u#/  
v#j d#v#t#j g#t#t#r#d#v#p#u#j k#y kj #j g#t#d#e#n#v# { #h#Hpi lpggtipi #y k#n#h#x#g#/  
q#t#p#i #p#v#j g#t#v#t#j g#t#v#t#

H d#h#j g#f # { # dtpgm#p#534#h#j g#Mjtt{ #dpf #Q#t#o d#t# dtpgm#/  
VXUHDy dt# # { #j g#t#d#e#n# { #h#Hpi lpggtipi #u#d#y dt#f g#f #q#p#p#/  
q#t#b# q#t#p#f g#t#f tdf v#d#v# g#f g#p#t#p#d#E#Hpi # t#q#i t#d#o #p#t#j g#/  
I devn{ #h#Hpi lpggtipi #d#v#P eJ kn#p#k#x#t#q#u#k# { #j q#t#t# #/  
r d#t#k#e#k d#v#p#i #p#t#j g#t#v#o g#t#k#p#f g#t#f tdf v#d#v# g#u#g#d#t#e#j #p#/  
Hpi lpggtipi # t#q#i t#d#o 1#

Mjtt{ #dpf #Q#t#o d#b# g#p#f q#y o g#p#u# dxg#d#u#q#f g#t#f g#t#p#/  
i tdp#u#f g#f ledv#f #q#t#o r t#q#x#l#p#i #j g#t#v#t#k# { #h#f w#d#v#q#t#p#t#j g#/  
I devn{ #j t#q#i j #j g#t#t#d#e#j l#p#i #H#p#i d#p#e#g#

# THE MEDA EFFECT



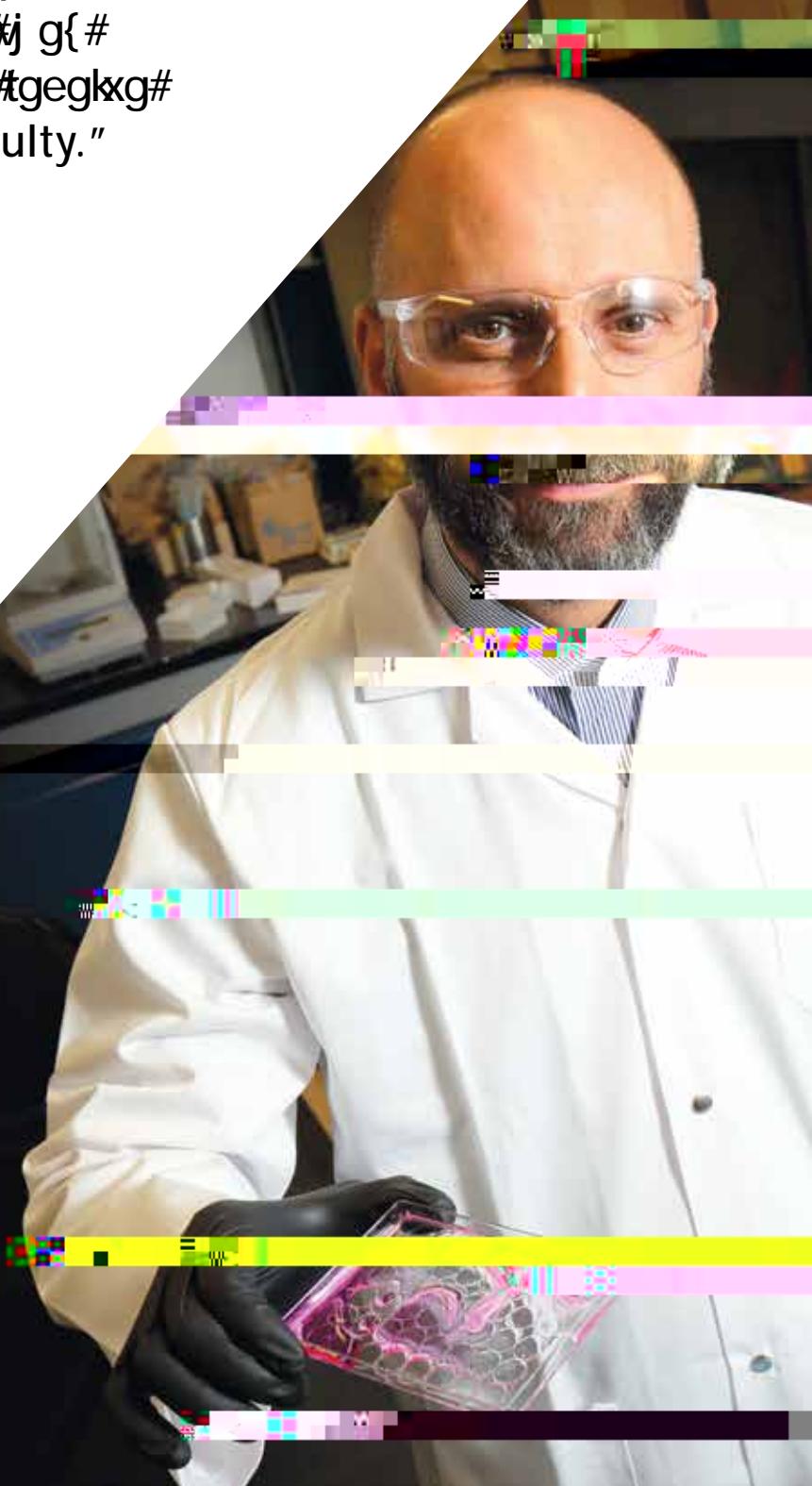
Sj k<sup>o</sup>pyj tqr { # du#dry d{ u#j dr gf #hi koggtpi #f wedvqp#  
 kp#P eJ k<sup>o</sup>u# deuv{ #h#hi koggtpi //dpf #dm<sup>o</sup> pk# k u# dxg#  
 ggp#w #du#p two gpvdn# w<sup>k</sup>f kpi #j g#P HGD# tqi tdo /#  
 y j lej #eqvtk vvgu#q#guqdtej #ppqxdvqp#etquu#dpdf d#  
 Vlpeg#ku#pegr vqp/#j g#P HGD# tqi tdo #gpuvtgu#j dv#qr #  
 k<sup>o</sup>vgtpdvqpdn# wf gpv<sup>e</sup> q# g) i td

	j gS		hs				
gp		p	j GS	qi	do uS		
vj gS	de	n {S					
qhs	gSp		p			; ( S	
r		dp	uS	j gS	B		
e o	do S	p				df S	
dvS					i	df SS	

# THE BIO-CONSTRUCTOR

ÜP { #pvgtg #u#q#d td #  
vj g# k j g #edrk tg# wf gpvu/#  
dpf #b qtg#q gp#j dp#pqv#j g{ #  
eqo g# gtg# gedwug#j g{ #gegkxg#  
Fellowships from the Faculty."

Stghauq#j qy dp#od| j dv





# THE GLASS GUY

Ü# dpv#q# vw# nduu#pukf g# qwt# qf{ 1#

# A COMPLEX DOUBLE- DOUBLE

# AT THE FOREFRONT

SUSAN HAVELKA - ARCHITECTURE

Z j gp#ej wlej #ej qrnt#wdpgkdxgrnd#Sj G#Dtej #4, #tdxgrg#  
vq#j g#lo d#lpwleqo o wpk#qhf#f g#UlkgtU qp#j g#pqty Qd #  
eqd #qhf#d p#lndpf U vq# ghto #tej kg vtdn#gugdtej #qp#  
led kp#ewnwttg#dpf #ku# rdeg#kp#lpwv#tg#lj g# df #l#qtwkqwu#  
gzej dpi g#j dv#y qrvf #df f #l#pgy # lo gpukq#q# gt#grzr gt#peg#  
y kj #j g#lpwk#ewnwttg1

~~UD#tkgpf #p#f f g#Ukgf# df # tdy p#d# k wtg#q#h#t#tdf kkqpdn#  
upqy # qwg#y kj #dp#gpvtmpeg# qo g#/b dlp#f qo g#dpf # dem#  
f qo g#Y#d{u#Kdxgmd#Uy g{#f guetk gf # qy #j g{#wgf #q#hkg#p#  
v j gug# qwgut#dpf # qy #k#y qwf # g#y qpf g#h#t#h# g{#eqwf #q#  
v i ku#apea#di dlo# wv# kj awv#udetkeeloi # af ato#lo apkka#Y~~

Hpvgt#j g#b qpqrkj leff qo g#b#dp#pgzr gpukxg#dpf #  
gpkxtqpo gpvdml Chtgpf r#dkCqto #j dv#uswlempf #gdu{ #

wkf#/gxgp# { #j qug# kj #p#qzr gtgpeg# #eqp tw lqp1  
Vj g#dkQnqto #k#pedvgf# kj #duo dm#dpf#dpf #j gp#  
tgkphqtegf# kj #ntgvj dpq#tg dt#dpf# td{ gf #eqpetgvg# #dpf#  
vj g#b qpqrkj le# qo g#k#eqo r rgyv#gzegr v#qt#j g#pvgltq#  
f geqtdvq#p 1Kdxgm#d#g gf #j g#k#gd#qv# #dpf# gt#plog# d(u#q#h#  
m# awt# ki #deaww m#t#h# qrtutu#j q# df #t# ato dpavp# wkf#ki 1

~~Üv#gdm#qqnu#rg#dp# rqq#dpf #kmt# #qtgxgt#uj g#id{ u#~~  
KdxgmaB# gd#j dv#j g#o qprkj le#f qo g#eqwrf #eqo r rgo gpv#  
vj g#owkv " u

" σg g . o re d#wb #to a #u d#j o g u#eqo gf #  
s #u g#j ggg. e { q udgtq " # ê #  
{ a { a

{ u # q K      K . g ee pab  
q o 1 # dc q

# PAY IT FORWARD

ENTREPRENEURSHIP HAS ALWAYS BEEN A PART  
OF THE FACULTY OF ENGINEERING, OAEN A PART

Klu# gpgtqwu#eqpvtk vwlpq## tqxkf gf #d# w g# qq #q#j g#  
PHCD# tqi tdo //p ktpi #qj gtu#q# grr# wtf #j g#wpf 1Gwtipi #  
j ku#kukv#q#PeJ km#p##gr vgo gt#5349##df du| # qnq#q#u#  
d qw# ku#gdtf# gdtu#p#j g# devn# qh#pi kpggtki # ku#kgy u#  
qp#o dpdi go gpv#dpf #gpvtgr tgpgvtuj k #dpf #j dv#o qvkdvgu#  
y g#gpf wtipi #grdvkpuj k # k j # ku#Dro d#P dvgt##

YOU CAME TO MCGILL AFTER THE 1956 UPRISING  
IN HUNGARY, RIGHT?

Les Vadasz: \gu//j dv#i#k j v#Wg#j qnq#j kpi # du#gt{ #  
ugtpgf k kqv#1# dr r pgpf #q#ugg#d#pqg#p#d# vngkp# qdtf #  
y dv#dpdf d#y du#y km#p i #q#dmg# #wo gta#h#plkgtuk{ #  
wf gpv#1# du#dv#d#p#lkgtuk{ #p#Kvp i dt{ Ü d#t o gdt#  
wf gpv#1#q#t#k pgt #r 1# df #p#q#gd#j gtg#P qpvtdn# du##  
dpf # df #pxggt# gdtf #qh#PeJ km#Dpf ##gpf gf #r # gtg#j lej #  
y du#gt{ #wen# qt#b g#

MCGILL HELPED TRANSITION YOU INTO CANADA?

THERE WAS A HOUSE ON MCTAVISH?

Vadasz: #Wgt# du#t# qwug#p#P eVdxkj 1#v#pqv#j gtg#  
dp{ o qtg#Z g# gtf# qwug# #j gtg#d#v#j g# gi kppki #dpf #j gtg#  
y du#t#p#hpi nuj #df { #j q# dxg#u#hpi nuj #guuqupu#qt#d qvw#  
ulz#y ggm#1#y g# qnf # dt#y du#j dv#t#j g# k#p# # gdm#dp{ #  
Kvp i dtdp#u#q#t# qw# dpvgf #q#dm#q# g#t#j gtg# du#prf #pg#  
y d{ 1#Dpf # xkqvur# qwf qp#t#qdt#dpqj gt#dp i vdl g#p#ulz#  
y ggm#U gxgp#t# qw#g#o o gtugf 1#v#du#gt{ #uughw#du#  
d# dug#pg#dpf #q#u# dtvgf 1#y gp#y g#gy #q#j g#t# lpf u#  
Hxgt{ qpg#g #j g# qwug# { Pd{ #t#j lpm#P d{ #qh#A8: 1#



**IS THAT BECAUSE YOU FOUND PEOPLE WERE A LITTLE  
MORE INVOLVED WHEN THEY WERE MORE INVOLVED?**

Vadasz: ~~Ij kpm#y du# qy gthw#q# kq#j go #u# wej # d k#l #q# g#pg#j gkt#j qtm deg#du# quuk rg#t#j kpm#j g#b q # ko r qtvpv#j go gpv#h#pvg#t#geqi pk# lpi #j g#f k gtpeeg# gvy ggp# qukkqp# qy gt#dpf #mpqy rgf i g# qy gt#Z g#tlf #q#p kn# kp#wt# ndpplpi # tqeguu#du# wej #mpqy rgf i g# qy gt#du# qukkqp# r qy gt#Dpf #tqo gvo gu#y g#qwp#j dv#j g#e j dkto dp#q#h#j g# eqo r dp{ # du#p#h# ggvpi #y kj #d#pgy # tdf vdvg#tp#h#gej pledn# uv lg # gedwug#j dv#pgy # tdf vdvg#pgy #u# wej #q#t#b qtg# vj dp#j g#e j dkto dp#q#h# g#eqo r dp{ #d qw#j dv# dt#ewnd#t#tg#d#~~

**YOU HAVE BEEN INVOLVED WITH THE MCGILL ENGINEERING  
DOCTORAL AWARDS, A FACT FOR WHICH YOU ARE BEING  
HONOURED THIS YEAR, WHICH IS THE TENTH YEAR OF THE  
VADASZ DOCTORAL FELLOWSHIPS. WHY ARE YOU GIVING  
BACK TO MCGILL?**

Vadasz: ~~I#q#p#q#ti gv#q#t#b iplo k# g#j g#qr r qtwpkkgu#B#g# df# gedwug# df #dp#f wedvqp#dpf #t#f dr r pgpf #q# g#dv#P eJ kn#Wq# l# dxg#dro q #t#ng#dp#q# r#i clvqp#q# q#t#qo gv# lpi 1#t#go go g#t# yj dv#k#b gdpv#q# gv#pdpekd#f gmr #y j gp#t#y du# gtg#t#dpf #j gp# {qw#dtg#dv#j g#t#qto dv#xg# di g#q#h#qwt#h#g#dpf #edtgt#t#dp{ #k# rg# k#q#h# gmr # qgu#d#gt#t#qpi #y d{ #p# g# lpi # qw#t#b qtg#t#gewtg# hqwpf dvqp#D#gd # qw#tpqy #j gtg#j g#eq #q#t#qwt#dr dtv# gpv# ku# qlpi #q#t#qo g#t#qo 1#~~

**"I remember what it meant to get epdpekd#f gmr #y j gp# I was here."**

# MCGILL INNOVATIONS AT WORK

## SOFTWARE

### LOCAL LOGIC™

FqOqwpf gf # { #j tgg# tdf vdvg# wf gpvutqo #j g#ej qqr#  
qhxt dp#Sndppkpi #MkpegpvCj dtrguKqff gt#P Xr B3, #Fqtp#  
Vgy dtv#P Xr B3, #dpf #d tgnGdo dpvO/kqku#P Xr B3, #Dqedn#  
Oqi le#q#qewugu#p#eqng lpi #engdpkpi #dpf #eqo lpkpi #dvd#  
vq# grr #tdxgnqtu/# qo g# wf gtu#dpf #eqpuwo gtu# dng# g gt#  
o qtg#phqto gf # gekukpu#j gp#ej qqulpi #t dp#qedvqpu#/  
#y y 1qedmaji le1eq

### SENSEQUAKE

Vgugs vdmq# tqxf gu#gpuqtO dugf # tw vtd# gdnj #  
o qpkqtipi #VKP, #dpf #gklo le#luuguo gpv#q# wf lpi u#q#  
i qxgtpo gpvdnqti dpk dvqpu#gpi kpggtipi #to u#dpf #j g#gd#  
g dv#pf w t{Wj g# tqg # duf gxgrf gf #dv#P eJ km#xqgt#d#  
r gtfqf #h#xg# gdtu# { #t df vdvg# wf gpv#P kxk#Hpi kpggtipi #  
I dtuj df #P ktuj dègk#Sj G39, #y kij #j g# grr #q#h# lu# tqj gt#  
P gj tf df #P ktuj dègk#Sj G39, #y y 1ugugs vdmq#leqo

## PUBLIC HEALTH

### MEACOR

P gdFqt#u#tgdvipi #d#guuOpxdulk# gdtv#kdnxg#gr dkt#  
f gxleg#q#tgdv#P ktdn#dng#Ugi wtj kdvlqp #d#f kuggdug#j dv#  
y qwr#p#qto dm#gs vktg#qr gpQ gdtv#wti gt{ 1#qOqwpf gf # { #  
Wjwée#D| dt#Sj G39, #tqo #j g#Ggr dtv# gpv#gh#P gej dpaledn#  
Hpi kpggtipi #dv#P eJ km#pkxgtuk#dpf #G1#Ugpl g#F gegtg#h#  
y g#P XKF #j g#eqo r dp{ #geglgf #b dvej lpi #edr kdn#p#534#  
vq#eqpv#vng#gugdtej #dv#P eJ km#pkxgtuk#dpf #Do gtedp#  
Xpkxgtuk#p#Egktw# #y y 1b gdeq#leqo

### REVOLOOTION

Vj g#dpkdvkqp# dtovr #gxqCRVkp# dngu#d qtf d rg#  
pq#ewuj #qkqvu#q#ff tguu#j g# rq dntdpkdvkqp#tkulu#Wj g#  
- #



P tu1Aduqp#M2 dngt/H dvg#EDB9,  
P t1Kw1j #odo /H dvg#EHpi B3,  
P kuu#{nxd/P dtmuègrf #Gk H#74  
P t1Mij p/P 1Ekj qr #EHpi B,,  
P t1Drgzdpf gt/Dpf gtuqp/P eJ tgi qt#EVeB,,  
P t1Ngppgy #MUDf erk g#EHpi B7,,  
P t1Z knido #P 1Wgdvj #EHpi B5,  
P t1Wqo du# 1Uqi gtu#EHpi B8,  
P t1Mlo gu#K1E taf gvt#EHpi B9,/P tu1Edt dtd#E taf gwt  
Gt1W gtdrf #Z 1W dtpgm/sj GB,,/P tu1Qqto d# dtpgm  
P t1D1Dndp/P eDrgdt#EHpi B,,  
P t1Gdxkf #K1Udeg/H dvg#EHpi B,,  
P t1Mij p/G1Wqo r uqp#EHpi B,,  
P t1dp/D1Wqwdt#EHpi B; #dpf #P tu1Kgn k#qwdt#EVeB,,  
P t1Kgpt{ #H1W qn d/H dvg#EDtej B3,  
P t1Sgvgt/F1Wqyngt#EHpi B3/Gk #dp#9,,  
Gt1Wq { #kuk #EHpi B4 #dpf #P tu1Fndtg#H#kuk  
P t1Oqvku/F1Kq#EHpi B4  
P tu1P dtknd#Uq{ #EHpi B4  
Gt1Ggu#df du] #EHpi B4/GveB; #dpf #P tu1Wnf { #df du]  
P t1Ogqp#d dn#EHpi B5,  
P t1P lej dgnMij p# tggp#EHpi B5,  
P t1Dtv wt#F1 1Odwt#Dtej B5 #dpf #P tu1Ft{ dn#dw  
P t1OleqrduNdwt#EHpi B6 #dpf #P tu1Wnf { Ndwt  
P t1Wqo du\$dduvng#EHpi B7,  
P t1Fj tk kdP 1# gkug/H dvg#EDtej B8,  
P t1Uw kp# tv g#EVeB8/GVeB7,  
P t1Uq gtv/Dpf tgy #Z dnuj #EHpi B8 #dpf #P tu1Ggp{ ug#Z dnuj  
Gt1Htle#O1Df nt#sj G99 #dpf #P tu1Ogg#Df ngt  
P t1Kqy dtf #Vqrdpf #EHpi B9 #dpf #P tu1Wkkldp#P knyt  
Gt1Fj qqpi Anqpi Fj gp#EHpi B9 /P Hpi B</ASj GB 5,  
P t1Ej dtdv/P 1Sdvg#EHpi B<,  
Gt1Gdxkf #W1W vpi #EHpi B3/P Hpi B5/Gj GB < #dpf #P tu1W tdeg# vpi  
Gt1Oqtpg#Wq lgt#FP #EHpi B6/P Hpi B6/GVeB9,#  
#dpf #P tu1Oqvku/F1qyngt#O/Wq lgt  
P t1Udo #dpf d#P Hpi B4/EDB: #dpf #P tu1Gwti d\$dpf d  
Gt1P dj guj Mj dto d#Gk #pi DDDOG#9 /P Hpi B5/Gk #dp#7/P EDB 9,#####

McGill University's original benefactor was James McGill

Fqtr qtdvg#dpf # qvpf dvqp#Gqpqtu

Df gnuqp# do kq# qvpf dvqp  
Dpvlg# tdwrgOST{qt# qvpf dvqp  
DtegrqtP k dnpkpi #dpdf d# 1S1  
Fdpdf kdp#p kwg#qhP kpi /P gydrnwi { #dpf #Gvtqrgwo #FIP,  
Vj g#tqy p#tpeg#Fqvwt  
Hpi kpggtkpi #Xpf gti tdf vdvg#/qelegv  
I qpf dvqp#H  
J qqi rg  
Vj g#y{p#P qt d#p# #dvtlekd#Wq lgt# qvpf dvqp  
K{ f tqOTw ge  
Std # # j kpg{ #dpdf d  
Stqxgpej gt#Uq{ #Duuqek u#Dtej kg gu  
Ulq#Mpvq  
Vj gm#Fdpdf d#Oo kgf  
Vj vdn#H) S#dpdf d  
Vj{ qvd#Fdpdf d#pe1  
Xt dp#Vtdvgi kgut#pe1  
Yk kdpv#rq dn

# MEASURING IMPACT: HOW YOUR GIFT MAKES A DIFFERENCE

GI VI NG

/

#

MAJOR DONORS

#

STUDENTS WERE SUPPORTED  
BY SCHOLARSHIPS

#

STUDENTS RECEIVED  
ENTRANCE SCHOLARSHIPS

#

TRAI NEESHPHS WERE AWARDED

#

STUDENTS RECEIVED  
BURSARIES

#

WERE AWARDED

DI FFERENT COUNTRIES  
OF DONOR ORIGIN

#

CHAI RS, FACULTY SCHOLARS AND  
PROFESSORSHIPS WERE SUPPORTED

FUNDI NG DI STRI BUTED TO

XQGHUJ UDGXDWH#VWXGHQW#LQ#

Xpf gti tdf vdvg#/ej qrdtuj k u

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FUNDI NG DI STRI BUTED THROUGH

WKH#PHGD#SURJ UDP#LQ#

Xpkxgtuk{ # tqxkf gf # tdf vdvg2

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Sq f q qtdn#Wfkgu#Wpfkpi

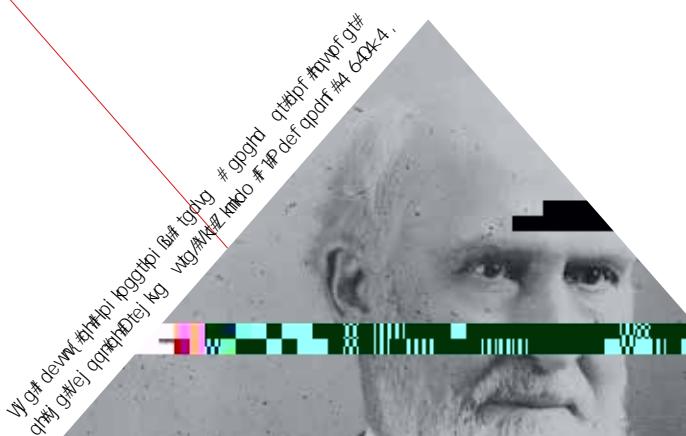
' / /

I devn# qpat#Wpfkpi

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Vvr gtxkuqt#Wpfkpi

' / /



Wg#devn#t#hojloggfb#lif#tgdg#ggfb#qtbpf#tpwgfjt#  
qbjjg#t#qewjqqphbgfjkg#vng#W#kmoc#Pdefqpdff#46Dk-4 ,

PROFESSORS

- Bioengineering  
G#Fj go ledn#pi lpggtipi
- G#Fkdn#pi lpggtipi #dpf #Dr r ngf #Pgej dpleu
- G#Hng tledn#pi #Fqo r wgt#pi lpggtipi
- Mechanical Engineering
- Mining and Materials Engineering

DEPARTMENTS

- G#Dtej kg wtg
- Urban Planning

SCHOOLS

G#Vtq lgt#p kwg#qt  
# Vw dlpd ktn #p#pi lpggtipi #  
# dpf #Guk p#M/HG,

G#PeJ kn#p kwg#qt#  
# Dgtq deg#pi lpggtipi #PIDH,  
G#PeJ kn#p kwg#qt#Df xdpegf #Pdgtldnu#PIDP,

INSTITUTES

G#Fgpvtg#qt#Df xdpegf #/ { go u# #  
# Vdej pqnqi lgut#p#F qo o vptedvqpu  
G#Fgpvtg#qt#pvgmli gpv# dej kpgu#  
G#Edeg#F gpvtg#qt#lguqvtegf#Pdpdi go gpv  
G#Snduo d#tdej pqnqi { #gpvtg

G#Fgpvtg#qt#Rtg qf { #Pqf gtpi #dpf #  
# Vtdvgi le#P kpg#Sndppipi #  
G#PeJ kn#Dgtq deg#Pdgtldnu# #  
# Dm{ u#Gxgrqr o gpv#F gpvtg#

RESEARCH CENTRES

GRADUATE PROGRAM

DEMOGRAPHICS

GRADUATE STUDENTS

STUDENTS FROM QUEBEC

INTERNATIONAL STUDENTS

STUDENTS FROM THE REST OF CANADA

FEMALE STUDENTS

UNDERGRADUATE PROGRAM

DEMOGRAPHICS

UNDERGRADUATE STUDENTS

STUDENTS FROM QUEBEC

FEMALE STUDENTS

**THANK  
YOU.**

“ HE WHO WISHES TO  
SECURE THE GOOD OF  
OTHERS HAS ALREADY  
SECURED HIS OWN. ”

FRQI XFIXV

