



Message from
MARVIN OSTIN
National President

Are you a Technion supporter? If the answer is yes, then consider yourself a scientist, an inventor, someone whose research and discovery has changed the world? You are part of the team that found "ubiquitin" that governs the destruction of protein in cell, a discovery that produced a dramatic improvement in the understanding of cellular function and the processes that brings about ailments such as cervical cancer and cystic fibrosis; developed the PillCam, now the global standard for imaging of the small bowel or ReWalk, a bionic exoskeleton that allows paraplegics to stand, walk and climb stairs; invented the USB Flash Drive (DiskOnKey) or ICQ the first Internet-wide instant messaging system or the Iron Dome a short-range missile defense system that shoots down a Grad rocket fired at Israel from Gaza?

If the answer is no, then why not become a Technion Supporter and join the team!

If you look back to the history of Technion, you will find that, from day one there was a partnership between the university and those visionaries and supporters who saw, even three decades before the state was created, that Technion - Israel Institute of Technology would help to lay the foundations of the modern State of Israel.

The visionaries, a group of three young men in their twenties: Martin Buber of Vienna, Berthold Feiwel of Berlin and Chaim Weizmann – formed a caucus emphasizing the need for a Jewish university with a first objective of education in technology.

The founding supporters, Russian tea merchant Kalonymous Zeev Wissotzky and American philanthropist Jacob Schiff, were determined to ensure that the Technion would maintain its independence.

Raising funds for higher-education in Palestine was an issue close to the heart of Albert Einstein and after a visit to the Technion he set up the first Technion Society and served as its Chairman. Today there are Technion Societies in sixteen countries around the world continuing to fulfill the commitment made by Einstein.

As a supporter of Technion Canada you are a partner and member of the team of Technion faculty, researchers and students that are keeping the vision of the founders strong.

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Together we have the power to make a difference and
the world becomes a better place.
Just click onto the **DONATE NOW** icon on our website

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DOREEN GREEN

to Receive an
Honorary Doctorate

An Honorary Doctorate will be conferred upon Doreen Green by Technion-Israel Institute of Technology, in recognition of her devotion and support of Technion. The ceremony will take place in Haifa at the Technion International Board of Governors 2014 Meetings.

Doreen, an active Technion supporter since 1986, is Chair of Technion Canada's Board of Directors; a member of Technion's Board of Governors and was awarded an Honorary Fellowship in 2000.

After receiving her LL.L from the Université de Montréal she became a practicing attorney specializing in family law, adoption, reproductive technology and civil litigation. For nearly three decades, she has been a part-time professor at Concordia University.

Doreen works to build relationships between Israel-based companies and the Montreal/Quebec communities. An ardent Zionist, Doreen supports numerous Israeli and local Jewish organizations, including the Montreal YM-YWHA, Free Hebrew for Juniors, The Friendship Circle of Montreal and The Chevra.

Her passion and commitment to Israel serves as a testament to the lessons her parents taught her, "to look after our community and to support Israel."



Technion President Prof Peretz Lavie, Doreen Green and Cliff Rand at the dedication of the Canadian Graduate Residence, a project very dear to Doreen

**Yasher Koach,
Doreen**



Technion President Prof Peretz Lavie and Doreen Green

Message from

DOREEN GREEN, National Chair



December 10, 2013 was a date I shall never forget. I was speechless that day (and for those who don't know me that is a state I rarely find myself in) when I received a telephone call from Technion President Peretz Lavie congratulating me on being chosen by the Technion Senate to receive an Honorary Doctorate this June in Haifa.

I have felt a tremendous passion for Technion-Israel Institute of Technology since becoming involved in Technion

Canada close to 30 years ago and have been rewarded over and over again when I was able to share that passion with friends and colleagues. Seeing the university reach the heights it has and seeing so many Canadians step forward to support Technion has been my greatest reward.

But never did I expect to receive such an honour as the Technion has bestowed upon me. I am so grateful and thankful but I know that this honour is something I must share with others, in particular my family. My husband, Gerald, who has put up with my absences from home; who has always been so very patient, is the one who really deserves this award. My children Irwin, Michelle and Elizabeth, thank you for permitting me to spend my time with the Technion,

even though it took away from our time together. My in laws Anne and Arthur Green, of blessed memory, they were amazing parents in law to me, always there to help and to encourage me in all my endeavours. My brothers, Zavie and David, with whom I have a very close and loving relationship, we are so lucky to have been raised by two wonderful parents who instilled great values in all of us.

When I received the call I immediately thought of a few people who were so instrumental in my becoming part of the Technion family - Mike Rand, Ike Wenger and Harry Sheres, the stalwarts of Technion Canada. Unfortunately Mike and Ike are no longer with us but I know how proud they must be. Harry is coming to Israel to help me celebrate this wonderful honour.

To my Technion friends, I am so fortunate to have met all of you over the years. To the Technion staff, I do so appreciate all that you have done for Technion Canada and for Technion. You are all amazing.

My passion has only been re-energized by this honour and I will celebrate this amazing opportunity by reaching out to more people to let them know about Technion and asking them to join me in supporting Technion in whatever way they can.

Thank you all.

TECHNION CANADA SUPPORTERS HAVE PROVIDED FUNDS FOR SCHOLARSHIPS, FELLOWSHIPS,

Creating a Legacy Gift - a Gift with Lasting Meaning



The Technion's Patrol and First Response Vehicle, part of the Security and Safety Unit, is specifically fitted to carry vital emergency equipment. The new vehicle, features four-wheel-drive, enabling it to traverse dirt roads, mud, and the steep terrain that characterize the forest surrounding the campus.

In 2012, the Technion's Security and Safety Unit managed to completely extinguish forest fires before the Fire Department even arrived on campus. This was a life and death matter, because the buildings closest to the forest are dormitories housing students and their families.

Understanding the need for Technion's and Israel's security, long-time supporter of Technion Canada, Harry Sheres provided the funding for this vehicle, which he dedicated to the memory of his beloved wife, Tibby ז"ל.



Technion President Prof Peretz Lavie, Naomi Fromstein and Efrim Boritz



"Clara Nightingale was my mother's sister. As trustee of my aunt's and uncle's estate, I searched for a meaningful way to memorialize their names, Clara and David Nightingale. They both passionately supported Israel, and since my aunt died of cancer, after researching various possibilities, supporting the creation of Technion's Volatile Biomarkers of Lung Cancer Lab seemed like the right choice.

It is important to me to support a charity where my donation will be spent effectively and where it will also make a difference. The "Na Nose" research currently being done by Professor Hossam Haick could eventually save millions of lives. It is a pleasure to have partnered in Professor Haick's wonderful work."

Naomi Fromstein

Remembering or Honouring Someone With a Tribute or Rosh Hashanah Card



Technion Canada
gratefully acknowledges a generous contribution

In Memory of John Smith

Dear George,

Please accept our deepest condolences on the loss of your beloved father, John. May the wonderful memories you have shared help you through this difficult time.

Best Wishes,
Jane and Peter Jones

Technion Canada
gratefully acknowledges a generous contribution

In Honour of Jane Jones

Dear Jane,

Wishing you a very Happy Birthday. May your special day be filled with sunshine and smiles, laughter and love

All our love,
Anne and George Smith



A generous donation has been made to
Technion Canada
in support of the outstanding students and faculty of
Technion - Israel Institute of Technology
In honour of the
Cohen Family

As another year begins here's wishing it's filled with happiness and sweet moments.

L'Shanah Tovah!

All our love,
The Schwartz Family

CHAIRS, RESEARCH, BUILDINGS, LABORATORIES, CLASSROOMS AND DORMITORIES, AND MORE.

Generation NEXT Mission to Israel

Technion people, ideas and inventions make immeasurable contributions to the world including life-saving medicine, sustainable energy, computer science, water conservation and nanotechnology.

How do we find and energize new leadership for Technion Canada, who will develop a passion for this outstanding institution and want to engage their colleagues and friends in supporting Technion? Seymour Schulich and Jane and Hershel Segal are among those who believe that the best way is to do this is take them to Israel to visit Technion and see first hand some of the outstanding success stories of Technion graduates.

In June a small group of future Technion Canada leaders will leave on the 3rd subsidized Technion Canada Mission to Israel.



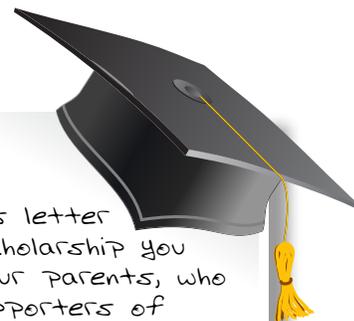
2011 Generation NEXT Israel Mission



2013 Generation NEXT Israel Mission

Scholarship and Fellowship Funds

Thank you letter from a scholarship recipient



Dear Scholarship Family,

I am writing this letter to thank you for the scholarship you created in memory of your parents, who I am told were big supporters of Israel.

I am learning in the Technion. I think that I am a very ambitious young man; I am challenging the hard financial situation that my family suffers from. They expect a lot from me with these studies.

I am learning bio-medical engineering in the Technion. I am in the third year of studies, and am planning to specialize in biomaterials. I hope to continue studying towards an M.A. and a Ph.D.

I have a lot of hobbies, especially playing football and swimming. I also like reading books, history ones in particular.

I participate in the "Perach" project in Shezaf School in Haifa for two days a week. I tutor pupils and help them with their homework.

I hope that we can meet at the Technion during your next visit to Israel.

Thanks for everything.

Giving Back - Technion Alumni in Canada



TECHNION FOR LIFE

Technion Alumni are our international ambassadors. They are great role models for prospective Technion students and are often well placed to offer practical support to graduates as they start their careers.

In recognition of the important role Technion Alumni can play in supporting Technion and in helping to raise awareness about Technion in the community, Technion Canada has created a Technion Alumni in Canada Committee chaired by Ronnie Kaplan of Calgary. Ronnie

has recruited a number of fellow alumni across Canada and they have begun to strategize on how to reach out and engage other alumni. The committee is discussing ideas for informal gatherings and networking opportunities starting in Montreal and Toronto. They are looking into some possible fundraising projects.

Are you a Technion Alumnus? Do you know anyone who is a Technion Alumnus? If you do please send us their name or ask them to contact Ronnie at kaplanr@shaw.ca

NEW PARTNERSHIPS

The Technion-Israel Institute of Technology / University Health Network International Centre for Cardiovascular Research



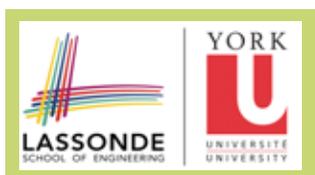
Left to Right: -Dr. Barry Rubin, Mrs. Cheryl McEwen, Dr. Peretz Lavie, Ms. Dina Theodoropoulous, Dr. Gordon Keller, Dr. Charlie Chan (acting President and CEO, UHN for that day)

On November 12, 2013 the Peter Munk Cardiac Centre, McEwen Centre for Regenerative Medicine and Technion Israel Institute of Technology executed a Memorandum of Agreement to create the Technion Israel Institute of Technology - University Health Network International Centre for Cardiovascular Innovation.

The goal of the Technion-UHN International Centre for Cardiovascular Innovation is to improve the quality of life of patients living with heart disease through new and improved treatments and to contribute to the economy of Canada by commercializing new devices we develop to treat heart disease, through the manufacturing of those devices in Canada.

Technion Canada and the University Health Network are now in full fundraising mode for this incredible collaboration. In the next few months time, we will have some great surprises and announcements in store with regard to the continued growth of the initiative.

If you would like more information on how you can assist please call or e-mail Hershel Recht, National Development Director at: 416-789-4545 / hershel@technioncanada.org



The Technion-Israel Institute of Technology / The Lassonde School of Engineering



The Lassonde School of Engineering at York University and the Technion Israel Institute of Technology in Haifa have entered into a strategic partnership that will see students at the two educational institutions jointly develop commercially viable projects.

The first phase of the project is to commence on August 19, when 25 Lassonde students, faculty and administrators will visit the Technion to understand more about the educational approach and how they teach entrepreneurship.

Lassonde's approach to Engineering is novel in that it desires to differentiate itself from Canada's other Engineering faculties by allowing for a more bottom up approach instead of a top down.

Students will be encouraged to challenge their Professors and the teaching system by providing their own insights much like that of the Technion's way of teaching.

The Technion visit in August is a first step in a more comprehensive and large scale co-operation between the Universities. Canadian Mining magnate, Pierre Lassonde, whose name is on the School, is very excited about this initiative and in the next few months time he along with others will be investing in growing this partnership to new and exciting heights. STAY TUNED...

Technion Nobel Laureate, Distinguished Professor Aaron Ciechanover Visited Montreal



Prof. Ciechanover and Stephanie Azrieli



Prof. Ciechanover, Eugene and Sara Riesman



Prof. Nahum Sonenberg



Marvin Ostin, Doreen Green, Prof. Ciechanover and Irwin Tauben



Viviane Amar and Marvin Ostin



Rosalind Goodman and Irwin Tauben

Technion's Distinguished Professor Aaron Ciechanover was invited to Montreal to be the guest speaker at the 2014 McGill University Andrew F. Holmes Dean of Medicine Distinction Lecture.

The evening before, Prof. Ciechanover and the Technion Canada leadership in Montreal were the dinner guests of Stephanie and David Azrieli at the Sofitel Hotel. This was followed by a small gathering, graciously hosted by Viviane Amar. McGill Professor Nahum Sonenberg, winner of the 2014 Wolf Prize, introduced Prof. Ciechanover who shared his life story and its parallel to the development of the State of Israel.

As one of Israel's first Nobel Laureates in Science, Prof. Ciechanover played a central role in the history of the State of Israel and in the History of the Technion - Israel Institute of Technology.

Prof. Ciechanover was born in Haifa, a year before the establishment of the State of Israel. He earned

a M.Sc and M.D. from the Hebrew University in Jerusalem. After completing his military service he continued his studies in biological sciences in the Faculty of Medicine in the Technion where he received his D.Sc. There, as a graduate student, with Dr. Avram Hershko and in collaboration with Dr. Irwin A. Rose from the Fox Chase Cancer Center in Philadelphia, they discovered a molecule they called ubiquitin, which fastens to a protein, signals that it is to be destroyed and accompanies it to a kind of cellular waste-disposal unit.

Shedding new light on the body's failure to destroy certain tumor formations, the researchers' ubiquitin breakthrough has inspired a flood of follow-up activity in the world of science, with thousands of scholarly publications and hundreds of research groups around the world conducting related studies.

The Genetic History of the Jewish People, Dr. Karl Skorecki's Presentation in Toronto



Over 230 Technion Canada donors, Generation NEXT members and Technion Alumni guests attended an evening gathering at Toronto's Park Hyatt Hotel on May 22nd. Technion Professor Karl Skorecki gave an informative presentation on "The Genetic History of the Jewish People".

Dr. Skorecki's research has provided scientific proof of a clear genetic relationship amongst Kohanim and their direct lineage from a common ancestor.

Dr. Skorecki, Director of the Rappaport Research Institute of the Technion

and Director of Medical and Research Development at Rambam Hospital was invited to Toronto by the University of Toronto to present the 2014 Sackler Lecture earlier in the day.

The event presented an opportunity to recognize the generous donation of a scholarship by Stephen and Judith Kauffman for 2014 and Barry and Honey Sherman for 2015. U of T - Technion Summer Research Exchange Program a part of the Comprehensive Research Experience for Medical Students (CREMS) Programs of The University of Toronto Medical Faculty. The goal of this program is to support the paradigm of fostering international scientific research communication and collaboration at a very formative stage of student training between the Ruth & Bruce Rappaport Faculty of Medicine at the Technion Israel Institute of Technology and the Faculty of Medicine, University of Toronto.





The future of Israel is in high-technology and the future of high-technology in Israel is at Technion.

TECHNION TRIUMPHS

Technion Students Find a Loophole in Security in the World's Most Popular Internet DNS Protocol



Technion students, Roei Hay and Jonathan Kalechstein from the Faculty of Computer Science discovered a new weakness (loophole), which had not been previously documented in the world's most widely used DNS software – BIND. "We were very surprised to find a loophole in the protocol," said Kalechstein. "We reported it to the authorities responsible for its implementation, they responded that they were unaware of this problem, and added that they will replace the algorithms in the next software version release."

Blood Vessel Transplant Success



Technion Scientists have succeeded for the First Time in Transplanting Engineered Tissue Bearing Major Blood Vessel to Repair Severe Abdominal Muscle Injury

Till now scientists have only successfully transplanted engineered muscle tissue bearing small blood vessels. This medical breakthrough may do away with the need for complex surgeries in the future, and the Technion holds a patent on it.

Professor Shulamit Levenberg from the Technion's Faculty of Biomedical Engineering and the Russell Berrie Nanotechnology Institute explains that in the current study, researchers fabricated an engineered muscle flap bearing its own functional vascular pedicle

for repair of a large soft tissue defect. Technion scientists successfully reconstructed a full-thickness abdominal wall defect using this engineered vascular muscle flap in a mouse.

An Electronic Guide Dog for the Blind



A 3D camera, a mini-PC, and an Android phone use audio to help the visually impaired to navigate around obstacles.

Three undergraduate students from the Faculty of Electrical Engineering at Israel's Technion Institute of Technology have created an electronic device that could help blind people navigate without the assistance of a seeing-eye cane or guide dog.

"The idea came to me while I was driving, where right before me I saw a blind man having trouble crossing the road," undergraduate student Tzahi Simkin recalls. "I thought that if I could only describe to him, through technological means, a snapshot of the surrounding area, I would make it much easier for him and build his confidence in getting better oriented with his surroundings. I wanted to combine technological development with social assistance, and this is how this product was born."



Technion-Azrieli Sarona Campus – Tel Aviv



Nobel Laureate Distinguished Prof. Daniel Shechtman, David Azrieli CM CQ and Technion President Prof. Peretz Lavie



Stephanie Azrieli, Dr. Naomi Azrieli and David Azrieli CM CQ

The Azrieli Foundation has announced a donation of 21 million NIS for the Technion's New Campus in Tel Aviv's Sarona Complex which will be named the Technion-Azrieli Sarona Campus – Tel Aviv.

This generous donation will be for the development and expansion of the Technion's Division of Continuing Education and External Studies at the Sarona Campus in Tel Aviv. The Division will be renamed "The Azrieli Continuing Education and External Studies Division. David Azrieli said "The gift will also go towards designing a new MBA program to be named, "The Azrieli MBA Program in Entrepreneurship and Innovation."

Technion's Division of Continuing Education has been operating in the Tel Aviv area since 1958. Last July, the Division moved into its new offices to the newly-restored Sarona complex, a project of the Tel Aviv municipality to preserve and renovate the German Templar settlement in Tel Aviv, which was founded in 1871 and abandoned in 1945. The Technion satellite campus in Sarona includes three buildings in a 1,800 sq. meter area, with a total of 16 modern classrooms. Some 500 students in engineering and exact sciences began their studies in the Technion Sarona Campus last autumn.