

**“THE ENVIRONMENT IS
EVERYTHING THAT ISN'T ME”**

— ALBERT EINSTEIN

CONTRIBUTE TO TOMORROW'S INNOVATION

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GREETINGS FROM OUR LEADERSHIP

DOREEN GREEN & MARVIN OSTIN

NATIONAL CHAIR & NATIONAL PRESIDENT



Dear Friends,

It is a truly exciting time for Technion Canada. Not only are we participating in Technion-Israel's Global Campaign to raise \$1.8 billion by 2024, but we are thrilled to take on this challenge under the leadership of our new National Executive Director, Elysa Greisman. Elysa was recently appointed after an extensive executive search and brings broad experience in education and philanthropy to her new role. As well, her passion for the Technion's mission will no doubt inspire increased support and engagement amongst our donors and volunteers!

We are also launching our new Technion Fund, which will enable donors to support the core work of the university at all levels of engagement. Donors will have the opportunity to support specific focus areas such as: biomedicine, entrepreneurship and innovation, faculty, international collaboration, security, students, and sustainability.

With advancements in technology, science and medicine moving more rapidly than ever, the Technion is uniquely positioned as an international leader in innovative research that will change the future of our world. Your support will enable Technion scientists and students to help solve humankind's most pressing challenges. We are excited to embark on this journey with you!

Sincerely,

Doreen & Marvin

ELYSA GREISMAN

NATIONAL EXECUTIVE DIRECTOR



Dear Friends,

I am honoured and excited to take on the role of National Executive Director, Technion Canada. My mission as National Executive Director is to build awareness and support across Canada for one of Israel's most important and innovative universities. With over 80,000 graduates, and home to 3 Nobel Laureates, Technion is at the forefront of scientific and technological research, teaching, and discovery. Along with an abiding passion for the State of Israel, I am thrilled to bring my many years of professional experience in education and philanthropy to further the work of Technion Canada.

We are embarking on an exciting new chapter to build for the future and we invite you to learn more about the ground-breaking efforts that you can support through Technion Canada. We are reaching out and re-connecting with our alumni network, and will be sharing with you the incredible accomplishments of some of our local Technion graduates. We are laying the foundation for new events and speaker engagements to raise awareness and to cultivate the next generation of leadership. We continue to build our local councils to engage new volunteers and donors across the country.

Please reach out and get in touch to learn more about how you can get involved and help Technion build for the future. I look forward to hearing from you!

Sincerely,

Elysa

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THE TECHNION CANADA FAMILY

THE DALFEN FAMILY LEGACY

L'dor V'dor, Hebrew for "from generation to generation," is the traditional Jewish imperative to pass learning and values on to one's children.



Joseph Dalfen was a successful Montreal business man and philanthropist who passed away 1991, leaving both his business and philanthropic values in the capable hands of his son, Murray.

Murray first worked in the family's chain of Dalfen Department Stores and later began investing in real estate. Today he is the CEO of Dalfen Industrial, real estate investment managers focused on industrial properties in key markets throughout the U.S. and Canada.

Murray's two children have followed their grandfather's and father's lead into the business world. Murray's son, Sean, who lives in Dallas, is the President and Chief Investment Officer of Dalfen Industrial, overseeing Dalfen's investment strategies. His daughter, Jordana, who lives in Chicago, is the owner of the on-line home décor company, Belle and June.

Carrying on his father's commitment to the Jewish Community and Tikkun Olam, making the world a better place, Murray is deeply involved in his community and philanthropy. Murray's passion was ignited during the 1982 Sabra and Shatila massacre in Lebanon, when Christian Phalangist troops killed Palestinian civilians.

"The whole world decided Israel was to blame for two tribes killing each other. I became incensed. On the next day, my father, who had been a Technion supporter since 1969, met with a gentleman representing Technion. They were discussing my father's support of several projects at Technion, including a hydraulic laboratory and research in water irrigation. I was complaining, "why does the world blame us?" He said, "why don't you do something?"

So I became involved in Technion as a fundraiser and a member of the Technion Canada Board of Directors for many years, (1984-2005) and I'm still involved as a contributor."

Murray's long time commitment has funded a water purification research project at Technion. "The greatest waste of water in Israel is wastewater, and they're now able to treat some 2 billion litres of water a year and recycle it, from the project that started in 1982. That's very important to me."

Murray has also funded Professor Raphael Semiat's research in the development and improvement of membranes for separation processes and is now funding Dr. Tamar Segal-Peretz's research towards cleaner water by improving water filtration with organic-inorganic membranes.

Technion Canada is grateful for the ongoing support of the Dalfen family and proud to highlight the impact of their philanthropy and volunteerism.

MAZEL TOV

MARJORIE BLANKSTEIN

Marjorie Blankstein CM, OM is this year's Special Honouree at the 47th Annual Rady JCC Sports Dinner being held in Winnipeg on June 19th.

Marjorie lives by two principles: kindness and egenerosity. She embodies these values and displays them with the utmost intelligence and grace. She has contributed many years of service and support to many organizations and Technion is very proud to be one of them.



DVORA AND RONNIE KAPLAN

Technion Alumni, Dvora and Ronnie Kaplan, were recently honoured by their synagogue, House of Jacob-Mikva Israel Congregation, Calgary. They are both vital members of the congregation, with Ronnie serving as the synagogue's Treasurer.

They were recognized for their many years of volunteering and advocacy in their community and their commitment to the importance of compassion, inclusion and respect.



LEAVING A LEGACY

A GIFT WITH LASTING MEANING

When Sandor Guttman passed away in early Fall 2018, he was remembered as a great gentleman, leader, mentor, and loyal friend to Technion, he was a long time and loyal supporter. In the early 1980's, Mr. Guttman endowed the Sandor Elek Scholarship at Technion, creating a legacy of doctors who have graduated from Technion and impacted the world through exemplary research and practice.

Over the years that followed, Mr. Guttman continued to make generous donations in support of the scholarship fund, and wanted to make certain that the fund would remain strong even after his passing. He took a simple step to ensure that this would be the case when he purchased a life insurance policy naming Technion as the beneficiary. On behalf of the future students who will benefit from his kindness and generosity, we extend our deepest appreciation.

YOU CAN MAKE A DIFFERENCE AND CREATE A LASTING LEGACY IN MANY WAYS

Technion Canada is very grateful to receive support from individuals through Planned Giving. Planned Giving helps to sustain the Technion well into the future while providing benefits to you including: solidifying lifetime family income and reducing taxes. These intimate statements of caring make a great impact on the students attending Technion - Israel Institute of Technology.

PLANNED GIVING INCLUDES:

GIFTS OF LIFE INSURANCE

You may purchase a new policy designating Technion Canada as owner and beneficiary or transfer an existing policy.

A GIFT IN YOUR WILL

A bequest in your will is a simple and thoughtful way to leave a legacy. A donation receipt is issued for the gift, which may be claimed in the year of death or the preceding year.

RRSPS, RRIFs AND TFSA

You may designate Technion Canada as the beneficiary of your RRSP, RRIF or TFSA in your will, or you can sign a beneficiary designation form naming Technion Canada as the beneficiary.

CHARITABLE REMAINDER TRUST (CRT)

Leave a capital donation of assets or real estate and receive an immediate tax receipt for the present value of the assets.

CHARITABLE GIFT ANNUITY

A charitable gift annuity can benefit both you and Technion Canada. Depending on your age, a charitable annuity allows you to save tax, enjoy a guaranteed predetermined income for life and give a gift today. This type of gift may be especially appealing if you are over the age of 65.

Please consider Technion when reviewing your financial and estate plans. Together, we can make a difference and meet the challenges of tomorrow. If you would like to discuss planned giving opportunities to Technion Canada please contact Elysa Greisman, National Executive Director: 1-416-789-4545 or elysa@technioncanada.org

THE TECHNION FUND

The Technion is contributing to Israel and to the global good in unprecedented ways, and it relies upon people like you to ensure its continued advancement as a world-class institution of higher education. The Technion Fund will help ensure that our supporters have access to a broad array of opportunities for engagement at all levels. The Fund will support the entire ecosystem necessary to maintain the Technion's distinctive strengths.

Donors may choose to allocate their gift to the Technion Fund in one of the following focus areas:



BIOMEDICINE

The future of medicine will depend on joint teams of engineers and life scientists. Unmatched expertise in these areas, coupled with the know-how to move research into real-world use, ensures the Technion's place as a leader in Biomedicine for decades to come.



ENTREPRENEURSHIP & INNOVATION

Technion people and products are changing the face of medicine, computing, communications and countless other fields. Entrepreneurial know-how is the edge that drives our breakthrough research to its real-world potential at the intersection of science and business.



SECURITY

Technion researchers are continually developing new technologies to help keep Israel and the world safe. The Iron Dome anti-missile defense system was created largely by Technion graduates. Support in aerospace, engineering, imaging and other disciplines is vital to security.



SUSTAINABILITY

The Technion is pioneering new sources of clean water and energy, while managing Israel's scarce resources. Your support for a variety of research efforts in renewable energy and conservation creates eco-friendly solutions for Israel, its neighbours and the world.



STUDENTS

Adjusting to campus life can pose challenges to many students, prompting them to seek out counseling, tutoring or financial assistance. The Technion is committed to providing these services, as well as extracurricular activities that make for a fulfilling university experience.



FACULTY

Faculty are the lifeblood of any academic institution. To attract and retain the best and brightest, the Technion needs resources to purchase new equipment, cover travel expenses to international conferences, and fund prizes and other incentives.



INTERNATIONAL COLLABORATIONS

Collaboration sparks innovation, increases shared knowledge and fosters long-term relationships. Support for joint research with high-level universities helps to advance scientific progress and boost the Technion's profile around the world.

TECHNION NEWS

PROFESSOR URI SIVAN ELECTED NEW TECHNION PRESIDENT



Technion Canada congratulates Professor Uri Sivan of the Faculty of Physics who was recently elected as President of Technion - Israel Institute of Technology. Prof. Sivan received sweeping support from the Academic Assembly and the Technion Council. The appointment is subject to the final approval of the International Board of Governors which is set to convene in June.

Prof. Sivan will commence his term as President of Technion

on October 1, 2019, and will replace the outgoing President Prof. Peretz Lavie, who will complete his term after a decade in office.

Prof. Sivan, 64, a resident of Haifa, is married and the father of three. He served as a pilot in the Israeli Air Force. He has a BSc in Physics and Mathematics, an MSc and Ph.D. in Physics, all with honors from Tel Aviv University.

Prof. Sivan joined the Faculty of Physics at Technion in 1991. His groundbreaking research has covered a wide range of fields within quantum physics and molecular and cellular biology, and for the self-assembly of miniature electronic devices. His research has led to patents and industrial applications. Recently, an Israeli start-up company was established in the field of single cell analysis for cancer diagnostics, based on the technology developed in Prof. Sivan's lab.

Prof. Sivan is a renowned lecturer in Israel and abroad. He was awarded numerous prizes including the Mifal Hapais Landau Prize for the Sciences and Research, the Rothschild Foundation Bruno Prize, the US-Israel BSF Bergmann Award, the Technion's Hershel Rich Innovation Award, and the Taub Award for Excellence in Research. Today, there are three copies of the chip worldwide: at the Vatican Library, the Smithsonian Museum in Washington D.C., and the Israel Museum in Jerusalem.

Prof. Sivan deeply values and promotes education. He headed a Ministry of Education committee to develop and mentor "Science and Technology for All," a national curriculum for non-science high-school majors. His dedication to education and his international renown as a professor and researcher ensures that Technion will remain at the forefront of higher learning in the fields of science and technology.

HONORARY DOCTORATE FOR CANADIAN/ISRAELI ARCHITECT MOSHE SAFDIE



At the 2019 Technion Board of Governors' Meeting in June, Technion will confer its highest honour upon distinguished architect, Moshe Safdie. He will be recognized for his incredible and innovative contributions to architecture the world over, his enduring influence on the built environment and the theory and practice of architecture.

Safdie is a citizen of Israel, Canada and the United States, and graduated from McGill University in 1961. An architect,

urban planner, educator, theorist, and author with a celebrated career, spanning more than 50 years. Safdie has left an indelible imprint on Canada and the world.

One of Safdie's earliest accomplishments was Habitat 67, an adaptation of his McGill thesis. Habitat 67, which pioneered the design and implementation of three-dimensional, prefabricated units for living. The project was a central feature of Expo 67 and won Safdie the 1967 Construction Man of the Year Award from the Engineering News Record and the Massey Medal for Architecture in Canada.

Safdie has gone on to win numerous awards and accolades, including the 2015 American Institute of Architects Gold Medal, awarded "In recognition of a significant body of work of lasting influence on the theory and practice of architecture".

Moshe Safdie has designed six of Canada's principal institutions—including the National Gallery of Canada in Ottawa, and Vancouver Library Square—as well as many other notable projects around the world, including the expansion of Yad Vashem, the World Holocaust Remembrance Center, the Marina Bay Sands Resort on the Singapore waterfront, the Skirball Cultural Center in Los Angeles.

Technion Canada proudly recognizes the extraordinary achievements of Moshe Safdie and extends mazel tov on the occasion of his Honorary Doctorate.



TECHNION ALUMNI

STAY CONNECTED

FEATURED ALUMNUS: DR. ILAN NACHIM: MEDICAL DIRECTOR, BELLWOOD HEALTH SERVICES



I graduated from the American Medical School and joint Masters of Science Program through Touro College in New York and Technion - Institute of Technology in Israel in 2009, and completed my Family Medicine Residency at the University of Toronto in 2012. Currently, I am the Medical Director at Bellwood Health Services where I specialize in addiction treatment.

While studying at Technion, I was very involved in campus life, and had such a positive personal experience at the school. During my time there, my wife and I had two children; we lived in family dorms and it was a fantastic environment.

It was also very humbling to study at an institution that houses three Nobel Laureate professors. The quality of the medical education that I received was exceptional. It is a small program that provides a great base of learning, preparation and practice. The medical school is located right next to Rambam Hospital, the largest medical centre in Northern Israel and one of eight academic teaching centres affiliated with the university.

Being a Technion graduate has been a real asset in my professional career. The quality of the education, the international connections, and the alumni network is truly valuable and unique. I am so grateful for the opportunities my Technion education has afforded me and I am proud to be a Technion supporter. It is an institution that maintains the best minds the in world and works to improve society with a focus on health, innovation and the betterment of humanity.

I am proud to be a Technion

Alumnus and I have very fond memories of my time at the university. I am originally from Brazil and pursued my undergraduate education in Canada, so it was wonderful to be part of an international cohort and to meet people from around the world, including teachers, mentors and researchers.

FUTURE TECHNION ALUMNI

Researchers at the Technion - Israel Institute of Technology believe that their discovery of new technology to monitor metabolic processes in cancerous tissue could lead to targeted drugs for preventing malignant growth. In a study published in Nature Communications, Prof. Tomer Shlomi of the Technion's Faculty of Biology and Computer Science and the Lorry I. Lokey Interdisciplinary Center for Life Sciences and Engineering, with Dr. Alina Eisenstein and doctoral students Won Dong Lee and Dzmitry Mukha, presents a new technology for monitoring metabolic processes in different parts of the cell.

The Rappaport Faculty of Medicine at the Technion has established a social-community health centre, the first of its kind in Israel, to be run by students. The first educational-social initiative of its kind in Israel, the centre connects medical students at the Technion to the urban fabric and to the population it will serve in the future.

Undergraduate students from Technion's Faculty of Computer Science presented 43 projects in the fields of Internet of Things (IoT), Android Applications, Ransomware, and computer communications. Among the innovative projects showcased was a navigation system for the visually impaired, a system to prevent drunk driving, and a social app for task-sharing.



TECHNION TRIUMPHS

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

TECHNION INAUGURATES A NEW CENTRE FOR THE PRINTING OF LIVING TISSUE



An innovative centre for the printing of cells, tissues, and organs has been established in the Faculty of Biomedical Engineering at the Technion. The 3-D Bio-Printing Center for Cell and Biomaterials Printing will provide a significant boost to the field of tissue engineering.

The Centre operates an innovative printer that prints three-dimensional scaffolds and the cells that grow into tissue. The printer translates the information obtained from the patient's CT scans into three-dimensional tissue suited to the injury area. The system has additional tools to design scaffolds or cells to make 3D tissues.

The field of tissue engineering has undergone rapid progress in recent decades – and the Technion has filled a significant role in this revolution.

THE TECHNION IS THE BEST TICKET TO REALIZE YOUR DREAMS

Two hundred high school students from the Ethiopian community visited the Technion as part of the "Excellence" event. The program was designed to expose students to the possibilities of being accepted to and studying at the Technion, and the new horizons this can open for them.



Keren Yitzhak, 25, is about to graduate from the Computer Science Department and in parallel to her studies works at Mellanox Technologies, an Israeli multinational supplier of computer networking products. She said that at the time of her discharge from the IDF, she attended a conference at the Technion. "Five years ago, I came just like you, to the Churchill Hall at the Technion and I heard a lecture about the preparatory academy at the Technion. They told us that there were scholarships for living expenses, studies, and for the dormitories. I did not believe it and asked if they would really help me with all this. When I was released from the army I immediately began to study in the preparatory program, and for me, it is very exciting to sit here, this time on stage, and tell you how worth it is to study at the Technion."

STUDENT HACKATHON AT TECHNION



T-hack, held at Technion, is the largest student Hackathon in Israel and was initiated by the Technion's Student Union (ASAT) and t-hub, Technion's new Entrepreneurial and Innovation Centre. T-hack focuses on three main areas: autonomous systems;

smart cities; accident and emergency medicine. More than 600 students in f150 teams from throughout the country participated in T-hack, winning cumulative prizes totaling NIS 100,000.

Leading entrepreneurs from Israel's industry and participating companies served as mentors for the students. The event was funded by Technion and supported by Intel, Facebook, Noble Energy and other technology companies.

In the final stage of the hackathon, 10 groups with outstanding ideas presented their projects to a panel of judges. The PneuMonitor team, comprised of team members Noy Mark, Anat Lyubin Haimov, Rafi Gerasi, and Eran Sasha, won the NIS 50,000 first-place prize for their innovative technology that detects a dangerous medical condition known as pneumothorax, which will help to monitor life threatening situations on the battlefield.

SUPER SENSITIVE, GROUNDBREAKING SMART SENSOR "TASTES" AND "SNIFFS"

Technion researchers have developed an innovative sensing system capable of identifying and distinguishing different stimuli.



The research, just published in the journal, Nature Communications, was led by Professor Hossam Haick of the Technion's Wolfson Faculty of Chemical Engineering and the Russell Berrie Nanotechnology Institute, and Dr. Min Zhang, who did his post-doctoral fellowship with him. Dr. Zhang is currently an associate professor at East China Normal University.

"Today, there is significant demand for multi-purpose sensing systems for specific purposes," said Prof. Haick. "These systems have great potential as applications in medicine, counterterrorism, food safety, environmental monitoring, 'The Internet of things' and more.

Dream it. Do it. Technion