

Dear Deans and ADRs/RLOs (and Assistants) of Science and Engineering related units:

I am writing on behalf of Dr. Digvir Jayas, Vice-President (Research and International), to provide an update of upcoming local, national and international **Science and Engineering** related research awards/honours and opportunities. The table below outlines pertinent deadlines up to **October 31, 2019**. Award names are hyperlinked to their respective websites.

Upon review of this list, please recommend names of identified candidates within your units (preferably at least once a month) to Brent Deere, Research Awards Administrator (brent.deere@umanitoba.ca or 204-474-8697), in order to facilitate a timeline (with milestones) for both national and international award nominations over the next 6-12 months from our institution.

A comprehensive listing of Research Awards opportunities is also available on the University of Manitoba's website: <http://umanitoba.ca/research/awards.htm>.

Science & Engineering Research Awards / Honours – Deadlines up to October 31, 2019

	Name of Award	External Deadline	Internal RAA Deadline	Potential Value	Complete list of Past Winners
1)	King Faisal International Prize for Science – Topic: Biology	March 31, 2019		~\$200,000 USD	Past Winners
2)	IPAC – Vanier Medal	March 31, 2019		Honourary	Past Winners
3)	National Academy of Engineering (NAE) Prizes	April 1, 2019		\$500,000 USD	Past Winners

4)	Breakthrough Prize	April 1, 2019		\$3,000,000 USD	Past Winners
5)	NSERC Synergy Awards for Innovation	April 15, 2019	Please advise if you are applying	\$200,000	Past Winners
6)	Japan Society for the Promotion of Science – International Prize for Biology: Biology of Insects	April 19, 2019	Please advise if you are applying	~90,000 USD	Past Winners
7)	World Food Prize	May 1, 2019		\$250,000 USD	Past Winners
8)	Association of Commonwealth Universities (ACU) Titular Fellowships	May 6, 2019*		~\$8,000	Past Winners
9)	R&D 100 Awards	May 6, 2019		Honourary	Past Winners

10)	<u>Canadian Museum of Nature – Nature Inspiration Awards</u>	May 13, 2019		\$5,000 to be given by the winner to program of choice	<u>Past Winners</u>
11)	<u>Ton Duc Thang University Scientific Prize</u>	May 30, 2019		\$3,000 to \$5,000 USD (depending on prize category)	<u>Past Winners</u>
12)	<u>Franklin Institute – Bower Award in Science</u>	May 31, 2019	Please advise by April 15, 2019 if you are nominating someone	\$250,000 USD	<u>Past Winners</u>
13)	<u>W.K.H. Panofsky Prize in Experimental Particle Physics</u>	June 3, 2019		\$10,000 USD	<u>Past Winners</u>
14)	<u>Oliver Buckley Prize in Condensed Matter</u>	June 3, 2019		\$20,000 USD	<u>Past Winners</u>
15)	<u>Tom W. Bonner Prize in Nuclear Physics</u>	June 3, 2019		\$10,000 USD	<u>Past Winners</u>

16)	<u>Arthur L. Schawlow Prize in Laser Science</u>	June 3, 2019		\$10,000 USD	<u>Past Winners</u>
17)	<u>NSERC Steacie Fellowships</u>	June 7, 2019	April 26, 2019	\$250,000 over 2 years	<u>Past Winners</u>
18)	<u>Canada Council for the Arts - Killam Prize (Natural Sciences & Engineering)</u>	June 15, 2019	Please advise if you are nominating someone	\$100,000	<u>Past Winners</u>
19)	<u>WXN's Canada's Most Powerful Women: Top 100</u>	June 17, 2019	Please advise by April 12, 2019 if you are nominating someone	Honourary	<u>Past Winners</u>
20)	<u>BBVA Foundation Frontiers of Knowledge Awards</u>	June 30, 2019		€400,000, a diploma & commemorative artwork	<u>Past Winners</u>
21)	<u>Global Cooling Prize</u>	June 30, 2019		\$3,000,000 USD	N/A

22)	<u>Steacie Prize (non-NSERC) for Natural Sciences</u>	June 30, 2019		\$10,000	<u>Past Winners</u>
23)	<u>Vetlesen Prize</u>	June 30, 2019		\$250,000 USD	<u>Past Winners</u>
24)	<u>Science & SciLifeLab Prize for Young Scientists</u>	July 15, 2019		\$30,000 USD for grand prize winner; \$10,000 for each category winner	<u>Past Winners</u>
25)	<u>The Federation of Chinese Canadian Professionals (Ontario) – Award of Merit</u>	July 31, 2019*		\$2,500	<u>Past Winners</u>
26)	<u>Seaborg Medal</u>	August 1, 2019		Honourary	<u>Past Winners</u>
27)	<u>CMC Microsystems – Douglas R. Colton Award for Research Excellence</u>	August 31, 2019*	July 26, 2019	\$4,500	<u>Past Winners</u>

28)	<u>YMCA-YWCA Women of Distinction Awards</u>	September 1, 2019*		Honourarium	<u>Past Winners</u>
29)	<u>Abel Prize in Mathematics</u>	September 15, 2019		~\$700,000 USD	<u>Past Winners</u>
30)	<u>Global Young Academy</u>	September 15, 2019*		Honourary	<u>Past Winners</u>
31)	<u>Wolf Foundation Prizes in Agriculture, Chemistry, Mathematics and Physics</u>	September 17, 2019*	Please advise by June 1, 2019 if you have a candidate in mind	\$100,000 USD	<u>Past Winners</u>
32)	<u>Sloan Foundation – Fellowships</u>	September 17, 2019*		\$70,000 USD	<u>Past Winners</u>
33)	<u>John Simon Guggenheim Memorial Foundation – Fellowships</u>	September 17, 2019*		Varies	<u>Past Winners</u>

34)	<u>Kyoto Prizes in Advanced Technology and Basic Sciences</u>	September 20, 2019*		~\$450,000 USD and a 20K gold medal	<u>Past Winners</u>
35)	<u>Johnson & Johnson WiSTEM2D Scholars Awards Program</u>	September 25, 2019		\$150,000 USD	<u>Past Winners</u>
36)	<u>Ramon Margalef Prize in Ecology</u>	September 28, 2019*		€80,000	<u>Past Winners</u>
37)	<u>Stockholm Water Prize</u>	September 30, 2019		\$150,000 USD	<u>Past Winners</u>
38)	<u>Blue Planet Prize</u>	October 5, 2019*		~\$450,000 USD	<u>Past Winners</u>
39)	<u>CAD Arctic Inspiration Prize</u>	October 15, 2019*	August 9, 2019	\$1,000,000	<u>Past Winners</u>

40)	CBC Manitoba – Future 40	October 25, 2019*		Honourary	Past Winners
41)	Canadian Academy of Engineering (CAE)	October 31, 2019*		Honourary	Past Winners
42)	Benjamin Franklin Medals	Ongoing	Please advise if you are nominating someone	\$250,000 USD	Past Winners
43)	Order of Canada	Ongoing		Honourary	Past Winners

*Please note that some of these award deadlines are based on last year’s dates as the agencies have not yet sent out their 2019 call for proposals, and are subject to change.

[1\) King Faisal International Prize for Science – Topic: Biology – March 31, 2019](#)

Following its inception in 1397H / 1977G, the King Faisal International Prize (KFIP) has quickly established itself as one of the world's most prestigious awards. Through the Prize, the King Faisal Foundation seeks to show its appreciation to those individuals who have rendered exceptionally outstanding services to Islam and Muslims, and to scholars and scientists who have made significant contributions and advances in areas that benefit developing and Islamic countries, and humanity at large.

Each year, Islamic organizations, universities and other learned circles throughout the world nominate individuals for any of the five categories of the Prize. The winners are given their awards at a special ceremony held in Riyadh under the auspices of the King of Saudi Arabia. This ceremony is one of the most important annual events organized by the King Faisal Foundation.

Prize Components:

1. A certificate written in Arabic calligraphy, describing the work for which the winner is awarded the Prize
2. A Commemorative 24-carat, 200-gram gold medallion
3. SR 750,000 (US\$ 200,000)

As nominations need to be put forward by the university, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697) if you are interested in putting a nomination forward.

2) IPAC – Vanier Medal – March 31, 2019

First presented in 1962, The Institute of Public Administration awards the Vanier Medal as a mark of distinction and exceptional achievement to a person who has shown distinctive leadership in public administration and public service in Canada, or who has made a significant contribution in the field of public administration or public service in Canada.

A five member, independent panel of judges, appointed by the IPAC Board, reviews all nominations and makes the final determination of the medal recipient.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

3) National Academy of Engineering (NAE) Prizes – April 1, 2019

Draper Prize

Recognized as one of the world's preeminent awards for engineering achievement, the Charles Stark Draper Prize for Engineering honors an engineer whose accomplishment has significantly impacted society by improving the quality of life, providing the ability to live freely and comfortably, and/or permitting the access to information. The Draper Prize is awarded biennially, the recipient receives a \$500,000 cash award, and the prize recognizes achievements in all engineering disciplines. NAE members and non-members worldwide are eligible to receive the Draper Prize.

Russ Prize

The Russ Prize recognizes an outstanding bioengineering achievement in widespread use that improves the human condition. This achievement should help the public better understand and appreciate the contributions of engineers to our health, well-being, and quality of life. An auxiliary purpose of the Russ Prize is to encourage collaboration between the engineering and medical/biological professions to work closely together. Awarded biennially (odd number years), the recipient receives a \$500,000 cash award and a commemorative medallion. NAE members and non-members worldwide are eligible to receive the Russ Prize.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

4) Breakthrough Prizes – April 1, 2019

Recognized as the world's largest science prize, the Breakthrough Prize honor top scientists, handing out up to five prizes in Life Sciences, one in **Fundamental Physics** and one in **Mathematics**. Each prize comes with a \$3 million award.

In addition, up to six New Horizons Prizes, each for \$100,000, will be presented to promising early-career researchers in the fields of Fundamental Physics and Mathematics.

The Breakthrough Prize hosts a gala awards ceremony to celebrate the laureates' achievements and to foster broad popular support for scientific endeavors and inspire the next generation of scientists. As part of the schedule, the prizewinners also engage in a program of lectures and discussions at a daylong symposium the day after the ceremony.

The Breakthrough Prizes were founded by Sergey Brin and Anne Wojcicki, Mark Zuckerberg and Priscilla Chan, and Yuri and Julia Milner. Selection Committees are composed of previous Breakthrough Prize laureates, who choose the winners from the list of candidates obtained during the nomination period.

General rules:

- Self-nominations are not allowed. Anyone can nominate a candidate.
- A valid nomination will have basic biographical information on the nominee and the nominator and at least one third-party letter of recommendation.
- Candidate citations (up to 10) from a specified academic publishing database are required.
- A person can receive a prize more than once.
- There are no age restrictions.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

5) NSERC Synergy Awards for Innovation – April 15, 2019

The NSERC Synergy Awards for Innovation honour outstanding university-industry research and development (R&D) partnerships in the natural sciences and engineering. Since 1995, the awards have showcased the benefits of pooling university and industry resources to make the most of Canadian research excellence and Canadian industrial expertise. The nominated partnership must be in the natural sciences and/or engineering and be between a Canadian university professor, or group of professors, and a Canadian-based company or companies with commercial activities in Canada, such as R&D and/or manufacturing.

Nominations must be submitted by a senior executive from one of the participating organizations, such as the:

- President, Chief Executive Officer, Vice-President of Research, or equivalent of one of the industrial partner organizations; or
- President, Vice-President of Research, or equivalent from the university.

Please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697) ASAP if you are planning on submitting an application.

6) Japan Society for the Promotion of Science – International Prize for Biology – April 19, 2019

Each year, the International Prize for Biology is conferred upon a distinguished researcher in a field selected by the Prize Committee from among all the fields of biology. Based on nominations gathered from around the world, the Prize is awarded to a biologist judged to have a superlative record of achievements in the subject field and have made an outstanding contribution to the advancement of research in fundamental biology. The Prize consists of a medal and a prize of ten million (10,000,000) yen.

The research field for the 2019 Prize is **Biology of Insects**.

Please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697) if you are planning on submitting an application.

7) World Food Prize – May 1, 2019

The World Food Prize is the foremost international award recognizing -- without regard to race, religion, nationality, or political beliefs -- the achievements of individuals who have advanced human development by improving the quality, quantity or availability of food in the world. The Prize recognizes contributions in any field involved in the world food supply -- food and agriculture science and technology, manufacturing, marketing, nutrition, economics, poverty alleviation, political leadership and the social sciences.

The World Food Prize emphasizes the importance of a nutritious and sustainable food supply for all people. By honoring those who have worked successfully toward this goal, The Prize calls attention to what has been done to improve global food security and to what can be accomplished in the future. Dr. Norman E. Borlaug, winner of the Nobel Peace Prize in 1970 for his work in world agriculture, envisioned a prize that would honor those who have made significant and measurable contributions to improving the world's food supply. Beyond recognizing these people for their personal accomplishments, Borlaug saw The Prize as a means of establishing role models who would inspire others. His vision was realized when The World Food Prize was created in 1986.

Since then, The World Food Prize has honored outstanding individuals who have made vital contributions to improving the quality, quantity, or availability of food throughout the world. Laureates have been recognized from countries around the world, including

Bangladesh, Brazil, China, Cuba, Denmark, Ethiopia, India, Mexico, Sierra Leone, Switzerland, the United Kingdom, the United Nations and the United States.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

8) Association of Commonwealth Universities (ACU) Titular Fellowships – May 6, 2019 (TBD)

The ACU Titular Fellowships provide opportunities for nominees of member universities to spend periods of time in other member universities or relevant institutions outside their own country. Preference will be given to workers in the following priority subject areas: agriculture, forestry and food sciences, biotechnology, development strategies, earth and marine sciences, engineering, health and related social sciences, information technology, management for change, professional education and training, social and cultural development and university development and management.

Value:

Up to GBP £5000 and intended to cover:

- international economy return airfare and other travel costs
- medical insurance and visa fees
- board and lodging fees
- research costs

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

9) R&D 100 Awards – May 6, 2019

Since 1963, the R&D 100 Awards have celebrated the greatest R&D developments of the previous year. Out of hundreds of applicants, the top 100 are selected to receive awards. Winning an R&D 100 Award provides a positive marketing boost to many new technology innovations, that important initial push to compete in the marketplace.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

10) Canadian Museum of Nature – Nature Inspiration Awards – May 13, 2019

The Nature Inspiration Awards recognize individuals and organizations that, through their work or specific projects, encourage Canadians to take an interest in natural history, create links with nature and contribute to its preservation. Categories include:

- Youth
- Adult
- Not-for-Profit Organization (Small and Medium)
- Not-for-Profit Organization (Large)
- Business (Small and Medium)
- Business (Large).

One Grand Prize of \$5000 to be given by the winner to the programme of his or her choice.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

11) Ton Duc Thang University Scientific Prize – May 30, 2019

TDTU Scientific Prize was initiated by Ton Duc Thang University in 2016 and the first prize was awarded for 2017. The Prize aims to recognize and honor the world's eminent scientists for their outstanding achievements and research; for their contributing actively in the development of science and technology for mankind; and for their activities to serve people and societies all over the world.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

12) Franklin Institute – Bower Award in Science – May 31, 2019

The long, distinguished history of The Franklin Institute Awards Program dates back to 1824, when the Institute was founded by a group of leading Philadelphians to train artisans and mechanics in the fundamentals of science. Recognizing outstanding achievements in science, technology, and industry around the world is an important way the Institute preserves Benjamin Franklin's legacy.

The Bower Science Award is presented in a different theme each year and carries a cash prize of \$250,000. This year's theme is: **Neural Networks for Machine Learning.**

Nominations must include:

- Name and contact information of nominee
- Name and contact information of nominator
- Nominee's curriculum vitae and bibliography of significant and relevant publications
- Proposed citation limited to 50 words
- Narrative statement describing the nominee's qualifications for the award
- Four confidential letters of support requested by the nominator, sent directly to The Franklin Institute Awards Office

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

13) W,K,H, Panofsky Prize in Experimental Particle Physics – June 3, 2019

To recognize and encourage outstanding achievements in Experimental Particle Physics. The prize consists of \$10,000, an allowance for travel to the meeting at which the prize is to be awarded, and a certificate citing the contributions made by the recipient.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

14) Oliver Buckley Prize in Condensed Matter – June 3, 2019

To recognize and encourage outstanding theoretical or experimental contributions to condensed matter physics. The prize consists of \$20,000 and a certificate citing the contributions made by the recipient or recipients.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

15) Tom W. Bonner Prize in Nuclear Physics – June 3, 2019

To recognize and encourage outstanding experimental research in nuclear physics, including the development of a method, technique, or device that significantly contributes in a general way to nuclear physics research. The prize consists of \$10,000 and a certificate citing the contributions made by the recipient.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

16) Arthur L. Schawlow Prize in Laser Science – June 3, 2019

To recognize outstanding contributions to basic research which uses lasers to advance our knowledge of the fundamental physical properties of materials and their interaction with light. Some examples of relevant areas of research are: nonlinear optics, ultrafast phenomena, laser spectroscopy, squeezed states, quantum optics, multiphoton physics, laser cooling and trapping, physics of lasers, particle acceleration by lasers, and short wavelength lasers. The prize consists of \$10,000 plus an allowance for travel to the meeting at which the prize is awarded and a certificate citing the contributions made by the recipient.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

17) NSERC Steacie Fellowships – June 7, 2019

Every year, NSERC awards up to six Steacie Fellowships that are held for a two-year period. The Fellowships are awarded to enhance the career development of outstanding and highly promising university faculty who are earning a strong international reputation for original research. Successful fellows are relieved of teaching and administrative duties, so that they can devote all their time and energy to research. Each Fellow receives a research grant of \$250,000 and will be invited to submit an application to the Research Tools and Instruments Grants Program for equipment funding related to their Steacie research.

Eligibility:

Candidates should have successfully defended their doctoral thesis within the last 12 years and hold a grant from NSERC. (Parental leave taken for child bearing and rearing is not counted as part of the 12-year period; however, such periods must be identified in the letter from the nominator.)

Prior to **April 26, 2019**, Deans and ADRs should please contact Brent Deere, Research Awards Administrator, by e-mail at brent.deere@umanitoba.ca or by phone at 204-474-8697, with the name(s) and CV(s) of researchers they consider ready to be nominated for this year's competition. At that time please also include a draft of the required 2-page research summary outlining the research to be pursued during tenure of the Fellowship. Nominations must be endorsed by our President who is able to submit up to six nominations on behalf of our institution.

18) Canada Council for the Arts - Killam Prize – June 15, 2019

The Canada Council for the Arts has announced the opening of nominations for the prestigious Killam Prizes. One award is made in each of the following fields:

- Social sciences
- Humanities
- **Natural sciences**
- Health sciences
- **Engineering**

An individual may not put forward his/her own nomination; they must be nominated by an expert in their field. To be nominated for the prizes, candidates must have made a substantial and distinguished contribution, over a significant period, to scholarly research in Canada. Nominees should be close to the top of an outstanding career. Only Canadian citizens are eligible.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

19) WXN's Canada's Most Powerful Women: Top 100 – June 17, 2019

Canada's Most Powerful Women: Top 100 Awards celebrates and honours women who are proven achievers in the private, public and not-for-profit sectors. To date, these awards have honoured 1,115 female leaders across Canada. This is a great opportunity for Canadian organizations and individuals to shine a national spotlight on inspiring women who are transforming their workplaces and the communities in which they live. There are 11 categories to choose from, each with its own selection criteria:

- 1) Arts, Sports and Entertainment Award
- 2) Champions Award
- 3) Emerging Leaders Award
- 4) Entrepreneurs Award
- 5) Future Leaders Award
- 6) Professionals Award
- 7) Trailblazers and Trendsetters Award
- 8) Industry Sector and Trades Award
- 9) Science and Technology Award
- 10) Corporate Executives Award
- 11) Public Sector Leaders Award

Please note: The WXN will accept a maximum of **3 nominations (per category)** for employees at one organization (including self-nominations). In order to ensure that no more than 3 nominations are put forward (per category) on behalf of our institution, please notify Brent Deere, Research Awards Administrator (brent.deere@umanitoba.ca), by **Friday, April 12th, 2019**, if you are interested in putting forward a nomination, or if you know of a researcher that is considering putting forward a self-nomination.

20) BBVA Foundation Frontiers of Knowledge Awards – June 30, 2019

The BBVA Foundation Frontiers of Knowledge and Culture Awards seek to recognize and encourage world-class research and artistic creation, prizing contributions of broad impact for their originality and theoretical significance. The name of the scheme is intended to encapsulate both research work that successfully enlarges the scope of our current knowledge – pushing forward the frontiers of the known world – and the meeting and overlap of different disciplinary areas.

The BBVA Foundation Frontiers of Knowledge and Culture Awards, to be given annually, take in the following prize categories:

- Basic Sciences (Physics, Chemistry, Mathematics)
- Biomedicine
- Ecology and Conservation Biology
- Information and Communication Technologies
- Economics, Finance and Management
- Contemporary Music
- Climate Change
- Development Cooperation

The Awards will consist of €400,000, a diploma and a commemorative artwork in each prize category.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

21) Global Cooling Prize – June 30, 2019

The Global Cooling Prize is rallying a global coalition of leaders to solve the critical climate threat that comes from growing demand for residential air conditioning. By harnessing the power of innovation, we can provide cooling solutions that enhance people's lives without contributing to runaway climate change. How? This groundbreaking competition is designed to incentivize development of a residential cooling solution that will have at least five times less climate impact than today's standard RAC units. This technology could prevent up to 100 gigatons (GT) of CO₂-equivalent emissions by 2050, and put the world on a pathway to mitigate up to 0.5°C of global warming by 2100, all while enhancing living standards for people in developing countries around the globe.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

22) Steacie Prize for Natural Sciences (non-NSERC) – June 30, 2019

The Steacie Prize is a Canadian award of \$10,000 presented once a year to a scientist or engineer of 40 years of age or less for outstanding scientific research carried out in Canada. The winner is selected by a distinguished panel which is appointed annually by the E.W.R. Steacie Memorial Fund, a private foundation dedicated to the advancement of science and engineering in Canada. Nominations of candidates should be made by a colleague, and should include a description and evaluation of the nominee's work, together with a curriculum vitae, a publication list, and a list of referees.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

23) Vetlesen Prize – June 30, 2019

The Vetlesen Prize was established in 1959 by the G. Unger Vetlesen Foundation. The prize is awarded for scientific achievement resulting in a clearer understanding of the Earth, its history, or its relations to the universe. Designed to be the Nobel Prize of the earth sciences, the prize is administered by Columbia University's Lamont-Doherty Earth Observatory. Competition for the Vetlesen Prize is open to any individual anywhere in the world and prizes may be awarded to more than one person at a time. The prize consists of a cash award of \$250,000 and the medal.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

24) Science & SciLifeLab Prize for Young Scientists – July 15, 2019

Science/AAAS and SciLifeLab, a coordinated effort of four universities, have joined forces in creating the Science & SciLifeLab Prize for Young Scientists. Both Science/AAAS and SciLifeLab recognize that global economic health is dependent upon a vibrant research community and we need to incent our best and brightest to continue in their chosen fields of research. Considering the difficult economic environment, we feel it is important to provide extra encouragement to young scientists as they begin their scientific careers. Each year, the grand prize winner will receive a prize of US\$30,000; each of the three category winners will receive

US\$10,000. The grand prize winning essay will be published in Science and essays from the three category winners will be published online.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

25) The Federation of Chinese Canadian Professionals (Ontario) – Award of Merit – July 31, 2019 (TBD)

The FCCP Education Foundation Award of Merit was established in 1985. The Award has been given annually to distinguished Chinese Canadians with outstanding professional achievements. Nomination is open to both academic institutions and public. Each nomination must be sponsored by two nominators. It should include a brief resume of the nominee, outlining his or her achievements and/or contribution.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

26) Seaborg Medal – August 1, 2019

Established in 1983, this award recognizes an individual who has made outstanding scientific or engineering research contributions to the development of peaceful uses of nuclear energy.

Nominations of candidates for the award are invited from technical societies, heads of governments, and other appropriate individuals familiar with the nominee's contributions. Nominees should reflect a high degree of scientific acumen, imagination and unusual talents in scientific research. Thus, nominees should have made significant contributions to the scientific basis for a wide variety of peaceful applications of nuclear technology. Further, candidates should be held in high esteem by peers engaged in the important task of nuclear research. Nominees need not be ANS members but the recipient must be living at the time he/she is selected.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

27) CMC Microsystems – Douglas R. Colton Award for Research Excellence – August 31, 2019 (TBD)

The Douglas R. Colton Medal for Research Excellence recognizes excellence in research leading to new understanding and novel developments in microsystems and related technologies, such as Photonics/Optoelectronics, Microelectromechanical Systems (MEMS), Microelectronics, Microfluidics and Embedded Software, or the application of microsystems and related technologies in Canada. The annual award includes a medal and a monetary prize of \$4,500. Previous winners include truly innovative researchers from across Canada.

Candidates for the award may be faculty, students or alumnae who have successfully completed a Master's or PhD degree in a Canadian university within the previous three calendar years. Nominations may be submitted by the university, a microelectronics or microelectronics-related company in Canada or jointly by a company and a university. Joint nominations are strongly encouraged. Canadian citizens, landed immigrants or persons who have been Canadian residents for three years prior to the date of nomination are eligible. Nominations are not restricted to those pursuing academic study or holding an academic appointment. Any post-secondary institution eligible for support by NSERC or any microsystems company or microsystems-related company in Canada may nominate one person per year.

As the University will only be able to nominate one per person per year for this award, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697) by **July 26, 2019** if you are planning on putting forward a nomination.

28) YMCA-YWCA Winnipeg Women of Distinction Awards – September 1, 2019 (TBD)

You may know women who have made a unique and exemplary contribution to the development of others and our community. Nomination for the prestigious Women of Distinction Awards is itself an honour. The YMCA-YWCA encourages you to join them in honouring these women who inspire us by nominating them in one of the following categories:

- Arts, Culture & Heritage
- Business, Professions & Trades
- Community Activism & Social Enterprise
- Education, Training & Mentorship
- Health, Wellness & Fitness
- Public Awareness and Communications
- Science, Technology & Research
- Volunteerism
- Young Women of Distinction
- Eira “Babs” Friesen Lifetime Achievement Award
- The Gerrie Hammond Memorial Award of Promise
- The Prairie Award of Promise

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

29) Abel Prize in Mathematics – September 15, 2019

The Abel Prize was established by the Norwegian government in 2002 on the occasion of the 200th anniversary of Niels Henrik Abel's birth. The Abel Prize recognizes contributions to the field of mathematics that are of extraordinary depth and influence. The Norwegian Academy of Science and Letters awards the Abel Prize based on a recommendation from the Abel committee. The prize carries a cash award of 6 million NOK and has been awarded annually since 2003. In addition to honouring outstanding mathematicians, the Abel Prize shall contribute towards raising the status of mathematics in society and stimulating the interest of children and young people in mathematics.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

30) Global Young Academy – September 15, 2019 (TBD)

Applications are sought from young, independent scholars who combine the highest level of research excellence with a demonstrated passion for delivering impact. The call is open to all scholars working in any research-based discipline, including the sciences, medicine, engineering, social sciences, the arts and humanities. Applicants must be able to demonstrate a high level of excellence in their discipline.

The Global Young Academy is committed to a broad range of programs around the world to support young scholars, promote science to a broad audience, engage in policy debate, and foster international and interdisciplinary collaboration. Applicants should provide evidence of interest or experience in one or more of these areas. Applicants should be in the early years of their independent careers. The majority of the GYA's members are aged 30-40 and the typical period from completion of a PhD or similar degree is 3-10 years. Applicants falling significantly outside these ranges may be considered under exceptional circumstances.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

31) Wolf Foundation Prizes – September 17, 2019 (TBD)

Israel's Wolf Prizes are awarded to outstanding scientists and artists--irrespective of nationality, race, color, religion, sex or political views--for achievements in the interest of mankind and friendly relations among people.

Six prizes of \$100,000 are awarded annually in the Sciences, prize fields including: Agriculture, Chemistry, Mathematics, Medicine and Physics. In the Arts, prizes rotate annually amongst Architecture, Music, Painting and Sculpture.

Nominations are only considered if they are brought forward by the director of a research institute, the dean of a faculty, or head of the department in one of the prize fields. Please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697) if you would like assistance with your nomination – our internal deadline for reviewing nomination material is **June 1, 2019**. Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

32) Sloan Foundation Fellowships – September 17, 2019 (TBD)

The Sloan Research Fellowships seek to stimulate fundamental research by early-career scientists and scholars of outstanding promise. These two-year, \$65,000 fellowships are awarded yearly to 126 researchers in recognition of distinguished performance and a unique potential to make substantial contributions to their field.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

33) John Simon Guggenheim Memorial Foundation – Fellowships – September 17, 2019 (TBD)

Guggenheim Fellowships are intended for individuals who have already demonstrated exceptional capacity for productive scholarship or exceptional creative ability in the arts. Fellowships are awarded through two annual competitions: one open to citizens and permanent residents of the United States and Canada, and the other open to citizens and permanent residents of Latin America and the Caribbean. Candidates must apply to the Guggenheim Foundation in order to be considered in either of these competitions.

The Foundation receives between 3,500 and 4,000 applications each year. Although no one who applies is guaranteed success in the competition, there is no prescreening: all applications are reviewed. Approximately 200 Fellowships are awarded each year.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

34) Kyoto Prizes in Advanced Technology and Basic Sciences – September 20, 2019 (TBD)

The Kyoto Prize is an international award to honor those who have contributed significantly to the scientific, cultural, and spiritual betterment of mankind. The Prize is presented annually in each of the following three categories: Advanced Technology, Basic Sciences, and Arts and Philosophy.

Laureates shall in principle be individuals (one person per category). However, in special cases a single Prize may be shared among more than one person. Selection is made without regard to nationality, race, gender, age, or religion. Each laureate is presented with a diploma, a 20K gold Kyoto Prize medal, and prize money of 50 million yen per category.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

35) Johnson & Johnson WiSTEM2D Scholars Awards Program – September 25, 2019

The Johnson & Johnson Scholars Award Program aims to fuel development of female STEM2D leaders and feed the STEM2D talent pipeline by awarding and sponsoring women at critical points in their careers, in each of the STEM2D disciplines: Science, Technology, Engineering, Math, Manufacturing and Design. The goal is to fuel the research passion of the awarded women and inspire career paths in their respective STEM2D fields. The Scholars Award is a 3-year award in the gross amount of \$150,000, which will be paid to the University (the “Recipient”) for the benefit of the J&J Scholar and her research, with the understanding that the Recipient will administer the funds.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

36) Ramon Margalef Prize in Ecology – September 28, 2019 (TBD)

This international award aims to recognize those individuals, organizations and groups around the world who have exceptionally distinguished themselves in the cultivation of ecological science. The Prize is eighty thousand euros and a unique and symbolic token in memory of Ramon Margalef.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

37) Stockholm Water Prize – September 30, 2019

The world's most prestigious water award, Stockholm Water Prize, honours women, men and organizations whose work contributes to the conservation and protection of water resources, and to the well-being of the planet and its inhabitants. All who have made extraordinary water-related achievements are eligible.

The Laureate receives global acknowledgement and visibility, a specially designed sculpture, and USD 150,000. He or she also has the privilege of presenting a lecture during the Opening Plenary of the World Water Week. Over the years, Stockholm Water Prize Laureates have represented a broad range of water-related activities, professions and scientific disciplines from all over the world.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

38) Blue Planet Prize – October 5, 2019 (TBD)

In 1992, the year of the Earth Summit, the Asahi Glass Foundation established the Blue Planet Prize, an award presented to individuals or organizations worldwide in recognition of major contributions to solving global environmental problems. The Prize is offered in the hopes of encouraging efforts to bring about the healing of the Earth's fragile environment.

The award's name was inspired by the remark "the Earth was blue," uttered by the first human in space, Russian cosmonaut Yuri Gagarin, upon viewing our planet. The Blue Planet Prize was so named in the hopes that our blue planet will be a shared asset capable of sustaining human life far into the future.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

39) CAD Arctic Inspiration Prize – October 15, 2019 (TBD)

The Arctic Inspiration Prize is intended for multidisciplinary teams who have made a substantial, demonstrated and distinguished contribution to the gathering of Arctic knowledge and who have provided a concrete plan and commitment to implement their knowledge into real world application for the benefit of the Canadian Arctic, its Peoples and therefore Canada as a whole.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

40) CBC Manitoba: Future 40 – October 25, 2019 (TBD)

Launched in 2015, this contest recognizes Manitoba's top leaders, builders and change-makers who are 40 or under.

Nominees must be 40 years of age or under as of October 2019. Canadian nominees must reside in Manitoba for a minimum of 1 year with proof of official residence in Manitoba. One nominee can be submitted per nominator. Once a nomination is submitted it is publically published on the CBC's website.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

41) Canadian Academy of Engineering – October 31, 2019 (TBD)

Election to the Canadian Academy of Engineering (CAE) is one of the highest professional honours accorded an engineer. Members have distinguished themselves in different sectors including business, academia and government and in different roles such as business management, executive management, technical, and university faculty. Members of the CAE are nominated and elected by their peers (current CAE members) to honorary Fellowship in the Academy in view of their distinguished achievements and career-long service to the engineering profession.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

42) Benjamin Franklin Medals – Ongoing

The Franklin Institute invites you to nominate candidates for the Benjamin Franklin Medals. From its inception, The Franklin Institute has used awards and prizes to recognize and promote excellence in science, technology, and industry.

This is an international competition for individuals whose work has a significant impact on the aforementioned fields of science and is not restricted by theme or topic. Candidates for the award must be living persons, and the winner is expected to participate in the Awards Ceremony and other Awards Week events in Philadelphia. The subject of the candidate's research must be an invention,

discovery, technological development, or a body of work reflecting extraordinary insight, skill, or creativity. The work must have scientific value and/or proven utility. It must have provided significant direction for future research, solved an important problem, or provided great benefit to the public. There must be sufficient submitted documentation to support further investigation.

For assistance in nominating someone, please contact Brent Deere (brent.deere@umanitoba.ca or by phone at 204-474-8697). Should you not require our assistance, for our record keeping purposes, we would appreciate knowing if you or your faculty will be putting a name forward.

43) Order of Canada – Ongoing

Do you know someone who has made a difference to your community or our country? A role model whose achievements stand above the rest? Or someone whose unflinching dedication has transformed their field, our nation or the world?

From local citizens to people with national and international reputations, all Canadians are eligible to be appointed to the Order of Canada—one of our country's highest honours. The Order of Canada recognizes people in all sectors of society. You can nominate:

- Any living Canadian for admission into the Order. However, elected officials and judges are not eligible to be appointed while in office.
- Non-Canadians who have made an extraordinary contribution to Canadian life.
- An existing member of the Order to be promoted to a higher level within the Order. Promotions are only considered five years after the initial appointment.
- A candidate who has been previously considered but not appointed to the Order of Canada.

Please contact Brent Deere (brent.deere@umanitoba.ca) or by phone at 204-474-8697) if you would like guidance regarding your nomination.

For all of the above awards, do not hesitate to contact Brent Deere, Research Awards Administrator (brent.deere@umanitoba.ca or 204-474-8697) if you require further information.

Please make recommendations to Mr. Deere preferably at least once a month, the names of individuals who could be nominated within your units for national or international awards or prizes over the next 6-12 months.

Sincerely,

Brent Deere, B.Comm. (Hons.) for **Dr. Digvir Jayas, Vice-President (Research and International)**

Research Awards Administrator

Office of the Vice-President (Research and International)

540 Machray Hall

186 Dysart Road

University of Manitoba

Winnipeg, MB, Canada

R3T 2N2

Phone: 204-474-8697

Fax: 204-261-0325

Email: brent.deere@ad.umanitoba.ca

Webpage: www.umanitoba.ca/research

Bringing Research TO LIFE

This email and any attachments may contain confidential, personal and/or privileged information intended for a specific individual and purpose. If you are not the intended recipient, you are hereby notified that any disclosure, copying, retaining, distribution, access, use or modification of the contents of this e-mailed information is strictly prohibited. If you receive this communication in error, please notify the sender immediately and delete or destroy the email message and any attachments or copies.