SENATE SUMMARY
MEETING OF JUNE 10, 2019

1. **Report of the Chair**

   The Chair reported that at the *Map the System Challenge* (formerly known as the *Oxford Global Challenge*), a global competition organized by the University of Oxford to challenge students to think differently about social or environmental change, a team from SFU placed first with a project looking at issues related to the wildfire crisis in British Columbia. This marks the second time in the past three years that a team from SFU has won this competition.

   The Chair reported on recent research grant successes:

   - Gerhard Gries from Biological Sciences has been awarded $860,000 from the *NSERC Discovery Grant Program* for his project *Multimodal Animal Communication Ecology*.
   - Robert Briton from Chemistry has been awarded $525,000 from the *NSERC Discovery Grant Program* for his project *Discovery and Development of Enabling Tools for the Synthesis and Late Stage Modification of Natural Products and Pharmaceuticals*.
   - Michael Adachi from Engineering Science has been awarded $486,000 from *Western Economic Diversification* for his project *Fabrication of High Flexibility High Conversion Efficiency Heterojunction Si Solar Cells*.
   - Tianzheng Wang from Computing Science has been awarded $181,250 from *Huawei Technologies* for his project *Enabling Cloud-Native Main-Memory Database Systems*.
   - Chris Beh from Molecular Biology and Biochemistry has been awarded $150,000 from *NSERC's Research Tool and Instruments Program* for his project *High-pressure Freezing unit for Visualizing Cellular Ultrastructure by Electron Microscopy*.
   - Daniel Leznoff from Chemistry has been awarded $149,937 from *NSERC's Research Tools and Instruments Program* for his project *X-ray diffactometer detector upgrade for accessing challenging crystal structures and in situ powder diffraction*.
   - John Bechhoefer from Physics has been awarded $146,725 from *NSERC's Research Tools and Instruments Program* for his project *High-speed Feedback Trap Based on Optical Tweezers*.
   - Jeremy Venditti from Geography has been awarded $116,124 *from NSERC's Research Tools and Instruments Program* for his project entitled *Multifrequency Acoustic Doppler Profilers*.

   The Chair reported that SFU VentureLabs has received a contribution agreement to become the western regional hub for the Government of Canada's *Women's Entrepreneur Knowledge Hub*. The hub will focus on gathering data, building knowledge and sharing best practices for diversity and the development for women entrepreneurs and business leaders.

The Chair reported that SFU was a mobilizer for the 2019 *Women Deliver Conference*, the world's largest gathering on gender quality and the health, rights and wellbeing of women and girls. SFU was involved in numerous conference-related activities, including participation by the Chair, in his role as President, in a *University Canada's* panel on *Equity, Diversity and Inclusion*.

The Chair reported that this year's *Coast Capital Savings Venture Prize* competition saw more women-led companies competing as finalists than ever before. *Spexi GeoSpatial* won the competition, taking home a cash and in-kind prize package worth $ 35,000.

The Chair reported that SFU RADIUS Refugee Livelihood Lab Co-Founder Nada El Masry won the *B.C. Multiculturalism Award*. Also, SFU did well in the recent competition for Canada's *Digital Technology Supercluster* funding, with three of the thirteen projects selected to go to full application having SFU as an academic partner.

The Chair reported that SFU's Spring Data Visionaries series brought together diverse people to discuss how big data is changing how we perceive and participate in our democracies. The Data Visionaries series has engaged over 900 attendees, including members from the general public, government and industry to raise awareness of SFU's leadership in big data and build relationships with strategic influencers.

The Chair reported that he, in his role as President, along with Vice-President, Research Joy Johnson, attended and made presentations to the *Canada-Mexico Binational Forum on Science, Technology and Development* in Mexico City on May 9th. The forum brought senior university representatives and government officials together to discuss the critical role universities play in generating research and innovation, and to explore opportunities for greater collaboration.

The Chair reported that the Faculty of Education celebrated the formal opening of its new Research Hub, a centre for research and knowledge mobilization focused on creative, collaborative and interdisciplinary scholarship and associated programming.

The Chair reported that on May 27th Burnaby Council gave approval in principle to the Burnaby Mountain urban gondola proposal. *TransLink* will now undertake a public consultation that will focus on three possible routes.

The Chair reported that Convocation takes place from June 11-14, with an Indigenous Honouring Feast on Wednesday, June 12th.

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2.   Undergraduate Program Changes (S.19-74)
Senate received information that the Senate Committee on Undergraduate Studies, acting under delegated authority, approved the following program changes, effective Spring 2020:

i)   Faculty of Science

   a) Biological Sciences
   - Program: Biological Sciences Major
   - Program: Biological Sciences Honours

3.   Undergraduate New Course Proposals (S.19-75)
Senate received information that the Senate Committee on Undergraduate Studies, acting under delegated authority, approved the following new course proposals, effective Spring 2020:

i)   Faculty of Applied Sciences

   a) School of Engineering Science
   - Course (new): ENSC 413

ii) Faculty of Science

   a) Biological Sciences
   - Course (new): MASC 414, 416, 417, 418, 419, 420, 421, 435, 436

4.   Undergraduate Course Changes (S.19-76)
Senate received information that the Senate Committee on Undergraduate Studies, acting under delegated authority, approved the following course changes, effective Spring 2020:

i)   Faculty of Environment

   a) School of Resource and Environmental Management
   - Course (B-Soc designation): PLAN 200
   - Course (equivalency): REM 370, 375

ii) Faculty of Science

   a) Biological Sciences
   - Course (prerequisite): BISC 313
   - Course (description): BISC 497W, 498, 499
   - Course (prerequisite): MASC 401, 410, 412, 415, 425, 430, 437, 440, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479
   - Course (units): MASC 410, 412, 430, 440
   - Course (deletion): MASC 411, 445, 446, 480

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b) Chemistry
  - Course (equivalency): CHEM 109, 110, 111
  - Course (prerequisite): CHEM 120, 121

5. Senate Committee on University Teaching and Learning (SCUTL) Annual Report 2018-2019 (S.19-77)
Senate received the Senate Committee on University Teaching and Learning Annual Report 2018-2019 for information.

6. Senate Committee Elections (S.19-78 Revised)
Senate received a summary of the nominations, positions elected by acclamation, positions requiring an online vote, and outstanding vacancies for Senate committees.

The approved Senate minutes will be available online following the July Senate meeting. For more detailed information on each Senate item, please refer to the June 2019 Senate documents: https://docushare.sfu.ca/dsweb/View/Collection-33671

If you have any questions regarding this summary, please contact Steven Noel, Senate Assistant, at 778-782-3168 or senate@sfu.ca.

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