SENATE SUMMARY
MEETING OF April 3, 2017

1.   Report of the Chair

The Chair reported that SFU was well represented at the BCTECH Summit which took place on March 14-15. It attracted over 5000 business and technology leaders, entrepreneurs, academics and students. SFU had twelve researchers showcasing their technologies, with Physics professor Stephanie Simmons participating in a keynote panel on quantum computing. The Premier used the occasion to announce funding to enable post-secondary institutions to increase spaces to produce 1000 new graduates in technology related disciplines by 2022. There is optimism that within this allocation will be funding for SFU's new program in Sustainable Energy Engineering.

The Chair reported on a number of research grant successes:

- Majid Bahrami, Mechatronic Systems Engineering, was awarded $725,000 for an innovation grant from NSERC for his *From Waste to Clean Food* project in collaboration with Kwantlan Polytechnic University. Mujid was also involved in and responsible for SFU being selected to lead a program to train researchers from low and middle income countries to become global leaders in clean technology. This funding, from the highly competitive Canadian Queen Elizabeth II Diamond Jubilee Scholarship program, provides opportunities to young researchers to advance in global projects that aim to solve new world challenges.
- Mehrdad Moallem, Mechatronic Systems Engineering, has been awarded a $112,000 Collaborative Research and Development Grant from the NSERC for his *Development of Spar Engineering's next generation variable frequency drives* project.
- Charles Krieger,Biomedical Physiology and Kinesiology, received $100,000 from Amyotrophic Lateral Sclerosis Association for his *Impaired neuromuscular junction connectivity in amyotrophic lateral sclerosis* project.
- Scott Lear, Health Sciences, has been awarded $100,000 from Novo Nordisk Canada Inc. for his *Qualitative research in Vancouver* project, as part of the Cities Changing Diabetes program.

The Chair reported that Sarah Lubik, Beedie School of Business, Nancy Olewiler, School of Public Policy, and Michelle Pidgeon, Faculty of Education have been shortlisted in the Education, Training & Development category for the 2017 YWCA Women of Distinction Awards. Winners will be announced at the awards dinner on May 29th. Also, Gail Anderson, School of Criminology, has been recognized for her pioneering work in forensic entomology with an Achievement

Award in Forensic Life Sciences from the American Academy of Forensic Sciences.

The Chair noted that the website for KEY, SFU's Big Data initiative, was launched as planned before the BCTECH summit. The address is http://www.sfu.ca/key/.

The Chair reported that the Chair for the St. Paul's Hospital Chair in Substance Use Research was announced on March 31st. The Chair is supported by a $1.5 million contribution from St. Paul's Hospital Foundation and will work with the Centre on Substance Use. Additional funding is provided by the St. Paul's Foundation and the B.C. Centre for Excellence in HIV/AIDS. The Inaugural Chair holder is Kanna Hayashi, an internationally recognized substance-use epidemiologist and human rights advocate for people who use drugs. She will develop a research program in substance use prevention, treatment and health policy, as well take an active leadership role and advocacy role locally, nationally and internationally in advancing the understanding of substance use.

The Chair reported on SFU Public Square's 5th Community Summit, which ran from February 27th to March 8th. Looking at Canada's role in the world, the Summit was comprised of eight events in conjunction with Canada's 150th Anniversary. In addition to the events themselves, the Vancouver Sun ran a series of op-eds co-sponsored by SFU Public Square.

The Chair reported that SFU's Centre for Dialogue, in partnership with Simons Foundation, hosted a community dialogue in connection with a major international conference held earlier this month on the UN *Responsibility to Protect* doctrine. Speakers included former Australian Foreign Affairs Minister Gareth Evans, former Canadian Foreign Affairs Minister Lloyd Axwothy, retired Lt. General Romeo Dallaire, and former Canadian Ambassador to the United Nations Allen Rock. Also, we hosted a number of prominent speakers including former federal Justice Minister Anne McLellan on the legalization of cannabis, journalist Gwynne Dyer on climate change, philosopher Martha Nussbaum on the uses and abuses of anger, professor Paul Kingsbury on *Investigating Paranormal Investigators*, and professor Ann Chinnery on *Rendered Responsible by the Fragile*.

The Chair noted the Aboriginal Welcoming Figure installation on March 9th. The figure was created by Squamish artist Jody Broomfield and carved on the Burnaby campus.

The Chair reported that SFU and the SFSS have approved plans to move forward with an 1800 seat stadium project on Terry Fox Field. The SFSS has agreed to contribute $10 million towards the stadium and further improvements to the Lorne Davies Complex. The idea of the stadium project is to provide space for not only athletic events but also to make Terry Fox Field available for social and cultural events.

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The Chair reported that SFU has launched the process *Engaging the Vision: What's Next?* A website has been created and community feedback is being sought through in person meetings at all three campuses. The community is asked to respond to questions concerning the vision, how it can be improved and what we can do going forward to give even more meaning to the vision that was adopted five years ago. Responses provided at the recent Senate – Board of Governors retreat will form an important part of the feedback being considering in this process.

The Chair reported on the joint Senate - Board of Governors retreat held on March 11th. Both attendance and feedback indicate that the retreat was a worthwhile exercise, and though slight improvements could be suggested, the overall feeling is to hold another retreat next year.

A question was asked if the leaders of competing political parties in British Columbia have expressed a similar commitment to tech funding as made by the current Premier. Senate was informed that similar commitments have not yet been expressed by other political leaders in the province.

2. **Student Discipline Matters Annual Report (S.17-40)**
Senate received for information the Student Discipline Matters Annual Report for 2015 – 2016.

3. **Establishment of the Canadian ATLAS Tier 1 Data Centre (S.17-41)**
Senate approved the establishment of the Canadian ATLAS Tier 1 Data Centre as a research institute for a five-year term.

4. **Reclassification of the Centre for Forensic Research (S.17-43)**
Senate approved the reclassification of the Centre for Forensic Research from a centre to an institute in accordance with Policy R40.01.

5. **Undergraduate Course Changes (S.17-44)**
Senate received information that the Senate Committee on Undergraduate Studies, acting under delegated authority, approved the following course changes, effective Fall 2017:

i) **Faculty of Applied Sciences**

a) School of Computing Science
   - Course (equivalency): CMPT 102, 120, 128, 129, 130, 166

b) School of Engineering Science
   - Course (units, description): ENSC 120
   - Course (description, prerequisite): ENSC 426

ii)   Faculty of Arts and Social Sciences

a) School of Criminology
- Course (prerequisite): CRIM 333, 336, 441
- Course (description): CRIM 437
- Course equivalency): CRIM 459
- Course (title, description): CRIM 317
- Course (prerequisite): CRIM 440
- Course (credit): CRIM 490, 499
- Course (units, prerequisite): CRIM 491

b) English
- Course (prerequisite): ENGL 212

c) French
- Course (description): FREN 334

d) Gender. Sexuality and Women's Studies
- Course (deletion): GSWS 412
- Course (title, description): GSWS 399

e) History
- Course (prerequisite): HIST 347
- Course (title, description, prerequisite): HIST 430
- Course (title): HIST 448

f) School for International Studies
- Course (deletion): IS 324
- Course (title, prerequisite): IS 304
- Course (prerequisite): IS 412, 415, 435

g) Linguistics
- Course (deletion): LING 241, 412
- Course (deletion): FNLG 331
- Course (equivalency): LING 290, 411, 415
- Course (description): LING 480, 481, 482W
- Course (prerequisite): LING 407

h) Political Science
- Course (title): POL 253
- Course (description): POL 317
- Course (number, prerequisite, equivalency): POL 338W, 481
- Course (title, description): POL 497

i) Sociology and Anthropology
- Course (title, description): SA 319 (effective Spring 2018)
- Course (description): SA 255, 257, 355 (effective Spring 2018)
- Course (title): SA 218, 418 (effective Spring 2018)

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j) ***World Literature Program***
- Course (deletion): WL 102, 102W, 310
- Course (title, description): WL 100, 101W, 103W, 104W, 301W, 303, 304, 306, 308, 309, 320
- Course (title, prerequisite): WL 200
- Course (title, description, prerequisite): WL 201, 202, 203, 204, 300, 400, 401, 402, 403
- Course (description): WL 305W, 330, 340, 345, 480, 490
- Course (description, prerequisite): WL 410
- Course (B-Hum designation): WL 105W, 303, 320

iii) **Beedie School of Business**

- Course (title): BUS 216
- Course (prerequisite): BUS 464
- Course (deletion): BUS 380

iv) **Faculty of Communication, Art and Technology**

a) ***School of Communication***
- Course (prerequisite): CMNS 201, 202

b) ***School for the Contemporary Arts***
- New acronym CA (Contemporary Arts) to replace FPA (Fine and Performing Arts)
- Change all FPA courses and related prerequisite and course descriptions to reflect new acronym CA (Contemporary Arts)

v) **Faculty of Education**

- Course (prerequisite): EDUC 315

vi) **Faculty of Environment**

- Creation of SD acronym to replace DEVS and SCO
- Change all DEVS and SCO courses and related prerequisite and course descriptions to reflect the new acronym SD
- Course (deletion): DEVS 402, 403

vii) **Faculty of Science**

a) ***Management & System Science***
- Creation of the new acronym DATA (Data Science) to replace MSSC
- Course acronym change from MSSC to DATA for MSSC courses and related prerequisite and course descriptions

b) Statistics and Actuarial Science
   - Course (prerequisite and/or co-requisite): STAT 240, 330, 350
   - Course (description, prerequisite): STAT 285

6.   Undergraduate New Course Proposals (S.17-45)
   Senate received information that the Senate Committee on Undergraduate Studies, acting under delegated authority, approved the following new course proposals, effective Fall 2017:

i) Faculty of Applied Sciences

   a) School of Computing Science
   - Course (new): CMPT 353 (effective Summer 2018)

ii) Faculty of Arts and Social Sciences

   a) School of Criminology
   - Course (new): CRIM 358 (effective Spring 2018)

   b) First Nations Studies
   - Course (new): FNST 286

   c) Gender, Sexuality and Women's Studies
   - Course (new): GSWS 315

   d) Centre for Hellenic Studies
   - Course (new): HS 231
   - Course (new): HS 232 (effective Spring 2018)
   - Course (new): HS/ARCH 312
   - Course (new): HS/ARCH 313 (effective Spring 2018)

   e) Political Science
   - Course (new): POL 316, 325, 330, 332, 405, 421, 430W, 490
   - Course (new): POL 132, 244, 472 (effective Spring 2018)
   - Course (B-Hum and B-Soc designations): POL 132

   f) Sociology and Anthropology
   - Course (new): SA 375

   g) World Literature Program
   - Course (new, B-Hum designation): WL 307

iii)   Faculty of Environment

   a) School of Resource and Environmental Management
   - Course (new): REM 391, 491

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iv)   Faculty of Health Sciences

   - Course (new): HSCI 460

v)   Faculty of Science

a) *Biomedical Physiology and Kinesiology*
   - Course (new): BPK 408W

7.   Undergraduate Program Changes (S.17-46)
Senate received information that the Senate Committee on Undergraduate Studies, acting under delegated authority, approved the following program changes, effective Fall 2017:

i)   Faculty of Applied Science

a) *School of Computing Science*
   - Program: Major
   - Program: Honours
   - Program: Second Degree Major
   - Program: Minor
   - Program: Computing Studies Certificate

b) *School of Engineering Science*
   - Program: Second Degree
   - Program: Electronics Engineering Option Major
   - Program: Systems Option Major
   - Program: Biomedical Engineering Option Honours
   - Program: Electronics Engineering Option Honours
   - Program: Systems Option Honours

ii)   Faculty of Arts and Social Sciences

a) *Coonitive Science Program*
   - Program: Major
   - Program: Honours
   - Program: Minor

b) *School of Criminology*
   - Program: Criminology and Gender, Sexuality, and Women's Studies Joint Major
   - Program: Criminology and Psychology Joint Major
   - Program: Legal Studies Minor
   - Program: Police Studies Minor
   - Program: Legal Studies Certificate
   - Program: Forensic Studies Certificate
   - Program: Criminology General Certificate
   - Program: Correctional Studies Certificate

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- Program: Police Studies Certificate
- Program: Post Baccalaureate Diploma in Legal Studies
- Program: Post Baccalaureate Diploma in Police Studies

c) *Economics*
- Program: Major
- Program: Business and Economics Joint Major
- Program: Political Science and Economics Joint Major

d) *First Nations Studies*
- Program: Major
- Program: Minor
- Program: First Nations Studies and Linguistics Joint Major
- Program: First Nations Studies Research Certificate

e) *Department of Gender, Sexuality and Women's Studies*
- Program: Major
- Program: Anthropology and Gender, Sexuality, and Women's Studies Joint Major
- Program: Criminology and Gender, Sexuality, and Women's Studies Joint Major
- Program: English and Gender, Sexuality, and Women's Studies Joint Major
- Program: Gender, Sexuality, and Women's Studies and Psychology Joint Major
- Program: History and Gender, Sexuality, and Women's Studies Joint Major
- Program: Humanities and Gender, Sexuality, and Women's Studies Joint Major
- Program: Political Science and Gender, Sexuality, and Women's Studies Joint Major
- Program: Sociology and Gender, Sexuality, and Women's Studies Joint Major

f) *History*
- Program: Major
- Program: Honours
- Program: Concentration in British History and Irish History
- Program: English and History Joint Major
- Program: History and Gender, Sexuality, and Women's Studies Joint Major
- Program: History and Humanities Joint Major

g) *Political Science*
- Program: Honours
- Program: French Language Cohort Program in Public Administration and Community Services Political Science Major with a French Extended Minor
- Program: French Language Cohort Program in Public Administration and Community Services French Major with a Political Science Extended Minor

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h) Psychology
  - Program: Behavioural Neuroscience Major
  - Program: Behavioural Neuroscience Honours

i) Sociology and Anthropology
  - Program: Sociology Major (effective Spring 2018)
  - Program: Anthropology Major (effective Spring 2018)

j) World Literature Program
  - Program: Major
  - Program: Honours
  - Program: Minor
  - Program: Extended Minor
  - Program: World Literature and History Joint Major
  - Program: World Literature and International Studies Joint Major

iii)   Beedie School of Business

  - Program: Business Major
  - Program: Business Honours
  - Program: Business Minor
  - Program: Mechatronics Systems Engineering and Business Double Degree Program
  - Program: Business and Communication Joint Major
  - Program: Business and Economics Joint Major
  - Program: Business and Psychology Joint Major
  - Program: Business and Geography Joint Major
  - Program: Information Systems in Business and Computing Science Joint Major
  - Program: Interactive Arts and Technology and Business Joint Major
  - Program: Sustainable Business Joint Major
  - Program: Business and Economics Joint Honours
  -
  - Program: Molecular Biology and Biochemistry and Business Administration Joint Major
  - Program: Molecular Biology and Biochemistry and Business Administration Joint Honours
  - Program: Sustainable Business Joint Major
  - Program: Admission requirement changes to the Business Major Admission to include a Business GPA
  - Program: Admission requirement changes to the Business Minor to include a Business specific GPA

iv)   Faculty of Communication, Art and Technology

a) School of Communication
  - Program: Major
  - Program: Honours

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b) *School of Interactive Arts and Technology*
- Program: BA Major
- Program: BSc Major
- Program: BA Second Degree
- Program: BSc Second Degree
- Program: Communication and Interactive Arts and Technology Bachelor of Arts Joint Major
- Program: Communication and Interactive Arts and Technology Bachelor of Science Joint Major
- Program: Interactive Arts and Technology and Business Bachelor of Arts or Bachelor of Business Administration Joint Major
- Program: Interactive Arts and Technology and Business Bachelor of Science Joint Major

c) *FCAT Dean's Office*
- Program: FCAT Double Minor

v)   Faculty of Health Sciences

- Program: BA Major
- Program: BSc Major
- Program: BA Honours
- Program: BSc Honours

vi)   Faculty of Science

a) *Management & System Science*
- Program: Major
- Program: Honours

b) *Statistics and Actuarial Science*
- Program: STAT Major
- Program: STAT Honours
- Program: STAT Minor

c) *Mathematics*
- Program: Major
- Program: Honours
- Program: Minor
- Program: Applied Mathematics Major
- Program: Applied Mathematics Honours
- Program: Operations Research Major
- Program: Operations Research Honours

d) Faculty of Science
- Transfer Credit and Bachelor of Science Degrees for Students Who Successfully Complete First Year Medical Science Professional Training

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8.   Graduate Course Changes (S.17-47)
Senate received information that the Senate Graduate Studies Committee, acting under delegated authority, approved the following course changes, effective Fall 2017:

i)   Faculty of Applied Sciences

  - Course (title, description): ENSC 815
  - Course (title, description, prerequisite): ENSC 861
  - Course (title, description, grading): MSE 801
  - Course (reinstatement): CMPT 701 (effective Summer 2017)

ii)   Faculty of Arts and Social Sciences

  - Course (description, grading): ECON 831
  - Course (title): GERO 810
  - Course (title, description): POL 830, 838, 839
  - Course (deletion): PSYC 810, 835
  - Course (prerequisite): PSYC 807D
  - Course (title, prerequisite): PSYC 825, 999
  - Course (title, description): PSYC 836
  - Course (unit): PSYC 898, 899

iii)   Faculty of Education

  - Course (description, grading): EDUC 928

iv)   Faculty of Environment

  - Course (unit): ARCH 872, 873

v)   Faculty of Science

  - Course (description): CHEM 801, 808
  - Course (description, prerequisite): CHEM 802
  - Course (deletion): CHEM 881, 882

9.   Graduate New Course Proposals (S.17-48)
Senate received information that the Senate Graduate Studies Committee, acting under delegated authority, approved the following new course proposals, effective Fall 2017:

i)   Faculty of Arts and Social Sciences

  - Course (new): ENGL 882, 894
  - Course (new): GERO 896, 897, 994, 995, 996
  - Course (new): POL 800, 816, 840
  - Course (new): PSYC 791, 807F, 895, 896, 991, 992, 993

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    ii)   **Faculty of Environment**

       - Course (new): ARCH 874, 875

10.   **Graduate Program Changes (S.17-49)**
Senate received information that the Senate Graduate Studies Committee, acting under delegated authority, approved the following program changes, effective Fall 2017:

    i)   **Faculty of Applied Sciences**

       - Program: Engineering Science MASc
       - Program: Engineering Science MEng
       - Program: Engineering Science PhD

    ii)   **Faculty of Arts and Social Sciences**

       - Program: Gerontology MA
       - Program: Gerontology PhD
       - Program: English MA
       - Program: English PhD
       - Program: Political Science MA

    iii)   **Faculty of Communication, Art and Technology**

       - Program: Interactive Arts and Technology MA
       - Program: Interactive Arts and Technology MSc
       - Program: Interactive Arts and Technology PhD

    iv)   **Faculty of Education**

       - Program: Educational Technology and Learning Design MA

    v)   **Faculty of Environment**

       - Program: Archaeology MA
       - Program: Archaeology PhD

    vi)   **Faculty of Science**

       - Program: Chemistry Graduate Co-operative Education
       - Program: Chemistry MSc
       - Program: Chemistry PhD

11.   **Senate Graduate Studies Committee (SGSC) Annual Report (S.17-50)**
Senate received for information the Senate Graduate Studies Committee 2016 annual report.

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The approved Senate minutes will be available online following the May Senate meeting. For more detailed information on each Senate item, please refer to the April 2017 Senate documents https://docushare.sfu.ca/dsweb/View/Collection-30551

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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