2016 Annual Report
April 1, 2016 – March 31, 2017

Table of Contents

Dean’s Message .................................................................................................................. 2
Forestry Advisory Council ................................................................................................. 3
Undergraduate Students ...................................................................................................... 4
Graduate Students .............................................................................................................. 6
International Forestry ........................................................................................................ 8
Aboriginal Forestry ............................................................................................................ 9
Office of the Dean ............................................................................................................. 10
Forest Resources Management Department ................................................................. 12
Forest and Conservation Sciences Department ............................................................. 16
Wood Science Department .............................................................................................. 20
Centre for Advanced Wood Processing .......................................................................... 23
University Research Forests ............................................................................................ 24
Development and Alumni ................................................................................................. 25
Extramural Research Funding .......................................................................................... 26
Social Media and Web Presence ....................................................................................... 28
I am delighted to report that 2016/17 was another extremely successful year for the Faculty of Forestry. Our undergraduate enrollment continues to grow and we now have 1,023 students, the highest number ever. While some of this represents a higher proportion of students staying in their program over successive years, we also had the highest ever new enrolment, comprising 383 students. At the graduate level, we saw a modest increase in the number of students, up by 4% to 254 students.

The increased number of students has challenged both our undergraduate and graduate support teams, and we also saw some turnover in this area. Lydia Braam joined the Student Services team in the role of student engagement officer, replacing Ileana Costrut, and a new position of admissions coordinator was created to handle the rapidly growing professional masters programs. Also, Ikuko Takahashi and Tracy Wong joined the graduate programs team – Tracy in the position of admissions coordinator for professional master’s programs and Ikuko in the role of senior admissions clerk.

After a long period of uncertainty, the Masters in Geomatics and Environmental Management (our newest professional master’s program) was approved by government, enabling us to start recruiting the first cohort of students in August 2017. Twenty-nine students have been admitted to the inaugural class, indicating that our projections for enrollment in this program were correct.

We are maintaining our large and growing number of international undergraduate and graduate students, with 35 countries of origin recognized in the undergraduate student body and 40 countries represented by the current graduate students. Having an international student body brings many advantages to everyone within the Faculty, and I believe that our education programs have benefited greatly from the diversity of opinions, experience and knowledge brought to the Faculty by these students.

Alison Krahn has joined us as Coordinator for Aboriginal Initiatives. Alison has replaced Andrea Lyall who stepped down from this position in order to concentrate on her doctoral studies. We greatly appreciate the work that Andrea has done, and look forward to seeing more Aboriginal students in the Faculty. We were very pleased to be given permission to exhibit the Looplex X canoe, a Haida canoe designed by Bill Reid and featured on the front cover of this report. Martine Reid was present at the “unveiling” of the canoe, as was the artist who did the fabulous design on the canoe’s prow and stern, James Hart.

A number of changes have occurred amongst our faculty members. Cole Burton, Trevor Jones, Cecil Konijnendijk, William Nikolakis, and Hisham Zerriffi all joined the Department of Forest Resources Management. Patrick Culbert and Matilda van den Bosch joined the Department of Forest and Conservation Sciences, with Matilda being a joint appointment with the Faculty of Medicine. George Hoberg transferred to the Liu Institute, Rajat Panwar transferred to a full-time position in the Department of Wood Science, and Joleen Timko resigned as a lecturer to take up a research appointment in the Department of Wood Science. Paul McFarlane and Tom Sullivan both retired, and Jason Chiù moved into the role of Managing Director of the Centre for Advanced Wood Processing following resignation of Iain MacDonald. Finally, Heather Akai retired from her role as administrator of the Department of Forest Resources Management after working in the Faculty for more than 30 years. Her position has been filled by Joanne Dean.

The Malcolm Knapp Research Forest hosted a very successful DEMO International 2016 event. This world class exhibition attracted over 7,000 attendees including 200 UBC Forestry students. It was a tremendous opportunity to see many different types of forestry equipment in action, and the Research Forest was able to provide some realistically challenging conditions for the exhibitors.

Financially, the Faculty is doing well. The development and alumni group had a very successful year, with over $4 million raised. The total research funding ($12.2 million) increased by almost 30% over the previous year. Most of this increase came in the form of Genome Canada /BC funding, which accounted for $2.3 million in support of 4 new projects. Tri-Council awards were also significantly higher than the previous year (up 30.7% at $4.2 million) and well above the average increase for UBC. This is good news for the Faculty, as research funding had appeared to be in decline. However, our faculty members are being increasingly imaginative and are successfully seeking out new sources of funding.

Our media presence was stronger than in previous years, with 103 reports of faculty member citations (up 43%). Our web and social media presence was also improved with an increase in web site visitors of over 13%. Our Twitter following was up by 33%, our mentions were up by 60% and overall impressions up by 75%.

Finally, I was honoured to be re-appointed in July 2016 as Dean of the Faculty of Forestry for a further 5 years. During my time as Dean, we have seen significant growth in all aspects of the Faculty at a time when many others continue to shrink or even disappear. With a new leadership team at the helm of UBC, I am looking forward to further growth and consolidation and believe that our Faculty is poised to be even more successful in the coming years.

John Innes
Dean, Faculty of Forestry
### Faculty of Forestry Activities, 2006/07 – 2016/17

<table>
<thead>
<tr>
<th></th>
<th>06/07</th>
<th>07/08</th>
<th>08/09</th>
<th>09/10</th>
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<tr>
<td>Undergraduate enrolment&lt;sup&gt;1&lt;/sup&gt;</td>
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<td>589</td>
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<td>Distance education (fte)</td>
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<td>4.32</td>
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<td>4.12</td>
<td>4.21</td>
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<tr>
<td>Extramural funding ($000)</td>
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<td>12,229</td>
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<td>11,206</td>
<td>10,949</td>
<td>8,736</td>
<td>9,404</td>
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<td>Endowment income ($000)</td>
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<td>Extramural funding per GPOB-funded faculty member ($000)</td>
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<td>308</td>
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<td>266</td>
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<td>Publication count</td>
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<td>200</td>
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<tr>
<td>Publications per GPOB-funded faculty member</td>
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<td>4.6</td>
<td>4.9</td>
<td>6.2</td>
<td>5.3</td>
<td>4.8</td>
<td>3.8</td>
<td>4.9</td>
<td>4.4</td>
<td>5.2</td>
<td>5.3</td>
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</table>

<sup>1</sup> Headcount unless otherwise noted

<sup>2</sup> Average numerical score of several criteria used by students to assess teaching performance of faculty members.

Scale used up to an including 2006/07, 1= Excellent; 2=Very Good; 3=Good; 4=Fair; 5=Poor; 6=Very Poor

New system introduced in 2007/08, 5=Excellent; 4=Good; 3=Average; 2=Poor; 1=Very Poor

### Forestry Advisory Council

The Forestry Advisory Council provides advice to the Faculty on curriculum matters and research priorities.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Organization/Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clark Binkley (Chair)</td>
<td>Chief Investment Officer</td>
<td>GreenWood Resources Inc</td>
</tr>
<tr>
<td>Nick Arkle</td>
<td>Chief Forester</td>
<td>Gorman Brothers Lumber Ltd</td>
</tr>
<tr>
<td>Keith Atkinson</td>
<td>Chief Executive Officer</td>
<td>BC First Nations Forestry Council</td>
</tr>
<tr>
<td>Bill Bourgeois</td>
<td>President</td>
<td>New Direction Resource Management Ltd</td>
</tr>
<tr>
<td>Dirk Brinkman</td>
<td>Chief Executive Officer</td>
<td>Brinkman Group, Director, The Earth Partners LP</td>
</tr>
<tr>
<td>Reid Carter</td>
<td>Managing Partner</td>
<td>Brookfield Asset Management Inc</td>
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<tr>
<td>David Elstone</td>
<td>Executive Director</td>
<td>Truck Loggers Association</td>
</tr>
<tr>
<td>David Gandossi</td>
<td>Executive Vice President, CFO and Secretary</td>
<td>Mercer International</td>
</tr>
<tr>
<td>Christine Gelowitz</td>
<td>Chief Executive Officer Association of BC Forest Professionals</td>
<td></td>
</tr>
<tr>
<td>Peter Holmgren</td>
<td>Director General</td>
<td>Centre for International Forestry Research</td>
</tr>
<tr>
<td>Alana Husby</td>
<td>Philanthropist</td>
<td></td>
</tr>
<tr>
<td>Shannon Janzen</td>
<td>Chief Forester</td>
<td>Western Forest Products Inc</td>
</tr>
<tr>
<td>Rick Jeffery</td>
<td>President and CEO</td>
<td>Coast Forest Products Association</td>
</tr>
<tr>
<td>Doug Konkin</td>
<td>Adjunct Professor</td>
<td>Faculty of Forestry, UBC</td>
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<tr>
<td></td>
<td></td>
<td>Former Deputy Minister</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Forests, Lands and Natural Resource Operations</td>
</tr>
<tr>
<td>Pierre Lapointe</td>
<td>President and CEO</td>
<td>FPInnovations</td>
</tr>
<tr>
<td>Michael Loseth</td>
<td>Chief Operating Officer and Interim CEO</td>
<td>Foresty Innovation Investment</td>
</tr>
<tr>
<td>Glenn Mason</td>
<td>Assistant Deputy Minister</td>
<td>Canadian Forest Service, Natural Resources Canada</td>
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<td></td>
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</tr>
<tr>
<td>Bruce McIntyre</td>
<td>Former Partner, Consulting &amp; Deals (retired from)</td>
<td>PricewaterhouseCoopers LLP</td>
</tr>
<tr>
<td>Garry Merkel</td>
<td>Principal</td>
<td>Forest Innovations</td>
</tr>
<tr>
<td>Joe Nemeth</td>
<td>President and CEO</td>
<td>Catalyst Paper Corporation</td>
</tr>
<tr>
<td>Gerry Salembier</td>
<td>Assistant Deputy Minister</td>
<td>Western Economic Diversification Government of Canada</td>
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<tr>
<td>Tim Sheldan</td>
<td>Deputy Minister</td>
<td>BC Ministry of Forests, Lands and Natural Resource Operations</td>
</tr>
<tr>
<td>Wes Shoemaker</td>
<td>Deputy Minister</td>
<td>BC Ministry of Environment</td>
</tr>
<tr>
<td>Ric Slaco</td>
<td>Chief Forester and VP</td>
<td>Interfor Corporation</td>
</tr>
<tr>
<td>Susan Yurkovich</td>
<td>President and Chief Executive Officer</td>
<td>Council of Forest Industries</td>
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Annual Report, April 1, 2016 – March 31, 2017
The Faculty of Forestry offers 5 undergraduate degrees:
- Bachelor of Science in Forestry – BSF
  - Major in Forest Resources Management
  - Major in Forest Operations
- Bachelor of Science in Forest Sciences – BSc
- Bachelor of Science in Natural Resources Conservation – BSc
  - Major in Science and Management
  - Major in Global Perspectives
- Bachelor of Science in Wood Products Processing – BSc
- Bachelor of Urban Forestry – BUF

Enrolment and Graduation

Total enrolment up 9% to 1,023
New enrolment up 15% to 383

47% female enrolment
156 students graduated, up 6%

34 countries excluding Canada represented by student body

Origins of undergraduate students
Co-op

The Co-op Program is a competitive option for students to acquire up to 20 months of work experience that will reinforce their academic education and help them stand out after graduation. Before being admitted to co-op, students are screened for good academic standing and complete a 3-month training program that provides them with the tools to secure their first work term. With online tutorials, in-person lectures and group seminars, students develop competencies in resume and cover letter writing and participate in mock-interviews before their job search begins. In addition to these professional tools, students work with a Co-op Coordinator who will act as their advocate and support them every step of the way. Co-ops and Co-op graduates to hiring managers when looking for a permanent position.

One hundred students were admitted to co-op in 2016. As one of the faculties with the highest percentage of students enrolled in co-op, we recognize the importance of practical work experience and are committed to facilitating this process for our students and employer partners. Co-op also serves our institutional objectives by promoting increased undergraduate enrollment, providing opportunities for industry feedback on curriculum, and by organizing events that bring together employers, students and faculty members. Co-op gives students the practical experience needed to make them a top choice for employers and gives employers a chance to identify future employees.

$2,986 average monthly salary

388 employers posted jobs

81% students secured work terms

98% employers would hire their co-op students again

99% students reported overall job satisfaction

12% of work terms were international: Bolivia, China, Finland, Germany, Hong Kong, India, Japan, Malawi, Nepal, South Africa, Taiwan, UK and USA.

Highlights

- Our undergraduate enrollment continues to grow and reached an all-time high of 1,023 students.

- Emily Dorey (Natural Resources Conservation) received the CIF Gold Medal for top all-around graduating student. Individual undergraduate program winners included: Nick Barry (Forest Resources Management), Elliot Humphries (Forest Operations), Kurtis Tunnski (Forest Sciences), Alyson Fretz (Natural Resources Conservation, Science and Management), Ricardo Pelai (Natural Resources Conservation, Global Perspectives), and David Brandson (Wood Products Processing).

- The Forestry Undergraduate Society (under the leadership of Alexia Constantinou) had a very successful year of coordinating events and fundraising.

- An exchange agreement was established with Università degli Studi di Padova. New transfer credit programs were established with Northwest Community College and Vancouver Island University. Two new “2+2” partnership agreements are currently being finalized with Renmin University of China and National Ilan University in Taiwan. We are currently exploring the possibility of providing 2 Dual Degree Programs with the Faculty of Education, enabling some students to graduate with a Professional Teaching Certificate.

- Our Tri-Mentoring program, under the guidance of Lydia Braam, saw continued success with 53 students being matched with 31 mentors working in the field of forestry, and providing career guidance and insight.

- Through the Forestry Transition program, 34 student leaders organized and hosted a number of events to enhance new student experiences within the Faculty, reaching 140 new students, and focusing on academic support, student wellness and social connections.

- Ana Curcin and Tony Loring represented the Faculty with presentations at the 2017 UBC Advising Conference.

- We increased the number of “Get Hired” employer information events and began pre-booking all employer guests which greatly increased attendance.

- Tony Loring represented the Faculty at the CAFCE National Conference in Moncton. The seminar retraced the successes and challenges co-op faced as it underwent a complete overhaul between 2014 and 2016.
THE FACULTY OF FORESTRY offers 7 graduate degrees:

- Doctor of Philosophy – PhD (Forestry)
- Master of Science – MSc (Forestry)
- Master of Applied Science – MASc (Forestry)
- Master of Forestry – MF
- Master of Sustainable Forest Management – MSFM
- Master of International Forestry – MIF
- Master of Geomatics for Environmental Management – MGEM (new program, starting in August 2017)

Enrolment and Graduation

![Graph showing enrolment and graduation trends from 2006/07 to 2015/16.]

39 countries excluding Canada represented by student body

Origins of graduate students

![Bar chart showing the distribution of students by region.]

www.forestry.ubc.ca/programs/grad
604.822.6784
Funding

The Faculty of Forestry offers competitive funding packages for Doctoral and research-based Masters students. The minimum total funding package to be arranged by the supervisor is $18,200 annually for the first 2 years of a thesis-based Masters and $21,000 annually for the first 4 years of a PhD program, unless otherwise agreed upon at the outset of the program. This does not apply to students taking course-based Masters degrees, and may not be possible for students in the social sciences.

Financial support is drawn from a number of sources including awards (external awards, UBC awards, Faculty of Forestry internal awards), graduate teaching assistantships, and graduate research assistant stipends from faculty member research grants.

$497,833 in tri-council awards to 20 students

$4.2 m in graduate student funding

>$2million in graduate student research and teaching assistantships to 143 students

Professional Masters Programs

2016 was a year of continued growth in the area of professional master’s degrees. These programs offer intensive post-graduate training in 1 year and provide graduates with an advanced credential to grow their professional careers.

- **MSFM.** 2016 marks the 5th year of the Master of Sustainable Forest Management program, with 63 students graduated and close to 100% employment following graduation. This program is accredited by the Canadian Forestry Accreditation Board and in 2016 also received accreditation from the Society of American Foresters (SAF), enabling graduates to become eligible to become Registered Professional Foresters with member agencies of the Canadian Federation of Professional Foresters Associations and the Society of American Foresters. The program is the first forestry program accredited by SAF outside the US.

- **MIF.** The Master of International Forestry degree began its second year, with 8 students representing 6 countries. Each student is required to complete an internship as part of their degree requirements, and for this component students will be working with the Tanzania Forest Services Agency; Biodiversity International in Italy; Tropenbos International in Ghana; the Namibia Nature Foundation, among others. Demand for the program appears to be increasing, with enrolment set to double for the 2017/18 academic year.

- **MGEM.** The Master of Geomatics for Environmental Management degree received government approval to launch and 29 students were admitted for its inaugural class starting in August, 2017. The program is designed for foresters, ecologists, conservation managers and other practitioners worldwide seeking to improve their understanding of geomatics theory, methods, application and tools. Participating students will be equipped with the skills needed to integrate landscape ecology concepts with geomatics-focused tools for environmental management. Graduating students will be better equipped for a variety of roles in the geomatics services, including consulting, engineering, and planning and development, in both private and public sectors.

Highlights

- Our graduate student community continues to grow and our program office welcomed 2 new staff members to continue our reputation for excellent service to our students. Program admissions was split into 2 portfolios, with Tracy Wong taking on the new role of Admissions Coordinator for Professional Masters Programs. Ikuko Takahashi joined us in a supporting role for records and awards.

- Yang Liu (El-Kassaby) received the Best PhD Dissertation Award and Curtis Chance (Coops) received the Best Master’s Thesis Award.

- Omnia Gamal El-Dien Ibrahim (El-Kassaby) received the Killam Graduate Teaching Assistant Award (Faculty of Forestry).

- The Forestry Graduate Student Association (FGSA) continued their tradition of organizing and hosting social and sporting events throughout the fall and winter terms. FGSA Co-chairs were Adam Polinko and Anna Ringsred.

- PhD Candidate, Andrea Lyall (Nelson) was awarded a UBC Aboriginal Graduate Fellowship.

- Forestry held its 6th Annual Three-Minute Thesis competition, from which the winner (MSc student, Anna Smith) and 2 runners-up (PhD Candidates, Amanda Johnson and Yuhao Lu), went on to complete in the campus-wide semi-finals.
The UBC Faculty of Forestry is characterized by its large and growing number of international students as well as a range of significant international research and teaching activities. Highlights include:

- Through our transfer programs with China (2+2 and 3+2), 144 students were registered in the 2016 Winter Session. We also received 12 CSC visiting students and Go Global exchange students.
- The first Master of International Forestry class with 11 students representing 6 nationalities graduated in 2016. Eight students are enrolled in the second class due to graduate in Fall 2017.
- The Faculty has signed new collaboration agreements with the Zhejiang Agriculture and Forestry University, Vietnam National University of Forestry, Kasetsart University (Thailand), Tsinghua University (China), Tongji University (China), Bogor Agricultural University (Indonesia), Padova University (Italy) and Federal University of Technology (Nigeria).
- The TRANSFOR-M dual degree masters-program with European universities selected 5 new students to go to Europe for their first year. Three students returned to UBC for their second year of studies
- Our Queen Elizabeth Diamond Jubilee Scholarships program has funded 22 scholars to date; this year we selected 2 new MSc Students (India and Uganda), 3 MIF students (India, Ghana and Tanzania) and 5 visiting international research students (India). We also sent 9 MIF and co-op students for 3-month internships to India, Kenya, Ghana, Malawi and Indonesia.
- We held our 4th 3-week field school in India (jointly with the Wildlife Institute of India) with 18 UBC students participating.
- We welcomed 20 visiting scholars from Chinese partner universities to the Faculty and arranged weekly academic activities for the group through research seminars and pedagogy workshops.
- We assisted with planning of the 19th Commonwealth Forestry Conference to be organized at Forest Research Institute, Dehradun, India (April 3-7, 2017) and as main organizer prepared for the IUFRO Div 5 (Forest Products) conference to be held in Vancouver (June 12-16, 2017).
- Plans for a new (virtual) Asia Forest Research Centre are underway.
- In October 2016 we organized 2 training programs (15 participants each for 2-weeks) for forestry officers of the Assam Forest & Environment Department (India). The same month we also organized a 17-day training program (20 participants) for the Fujian Forestry Bureau (China).
- Our students have continued their engagement with the International Forestry Students Association. UBC members co-organized the Youth Forum at the UNFCCC-20 Conference of Parties and the third Landscape Forum organized by CIFOR in Marrakesh.
- We hosted several international delegations notably from China, Finland, Sweden, Norway, Italy, Japan and Nigeria.
- Our 2016 Vancouver Summer Program attracted 60 students from China, Taiwan, Indonesia, Singapore and Mexico.
- Our Sustainable Forest Management online courses were promoted through the Asia Pacific Forestry Education Coordination Mechanism and have attracted over 2,500 learners and 25,000 views.

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The Faculty has been updating and implementing its First Nations Strategy for over 20 years. In 2012 the Faculty renewed its commitment to Aboriginal engagement in its Strategic Plan (see aboriginal.forestry.ubc.ca). Below is an abbreviated list of updates and achievements over the past year.

In November 2016, Andrea Lyall left the position of Aboriginal Initiatives Coordinator to concentrate full-time on her graduate studies with the Faculty of Forestry. For continuity in program delivery, Andrea returned for a month to summarize the programs and key staff that support Aboriginal initiatives in the Faculty. In early 2017, Alison Krahn joined the Faculty as the new Aboriginal Initiatives Coordinator. In her position with the Faculty, Alison is responsible *inter alia* for recruitment and retention of Aboriginal and Indigenous students, liaising with the First Nations Council of Advisors and First Nations communities, and helping to develop and implement curricula and outreach efforts.

**Students**

**Awards**

The Faculty has internal awards for Aboriginal students, and this year 7 awards amounting to $34,100 went to Aboriginal students. In addition, UBC Aboriginal forestry students were successful in receiving external awards from several organizations including the Irving K. Barber British Columbia Scholarship Society, Native Indian Brotherhood, Indspire, and Elizabeth Henry Scholarship Fund from the Fraser Basin Council. Aboriginal students were successful in competing for UBC campus-wide scholarships for Major Entrance Scholarship, Aboriginal Graduate Fellowship and the Public Scholar Initiative.

**Enrolment and activities**

- A total of 19 undergraduate and 3 graduate self-identified Aboriginal students enrolled in forestry programs in 2016-2017.
- Student support for Aboriginal students included get-togethers for networking. This year students had lunch with the Dean, hosted a mentoring event with Aboriginal alumni and held several study sessions.
- Dedicated staff met students one-on-one to ensure a supportive environment and mentoring adapted to individual student needs.
- As is customary each year, the Dean hosted a luncheon event at the UBC First Nations House of Learning for approximately 150 Aboriginal students across campus. Information about Faculty of Forestry programs was shared with the students during lunch.

**Community**

In 2016-2017, recruitment staff attended Aboriginal-led career fairs, conferences, high schools, and colleges at Musqueam, Kelowna, Pemberton, Merritt, and the Treaty 8 area. Staff also attended the Nisqually Canoe Journey in Olympia, Washington in July. Collaboration options were also discussed with the Nicola Valley Institute of Technology.

In May, 8 grade 11 Aboriginal students from across Canada spent one week at the Faculty of Forestry working on science projects. Students were supported by professors, students and staff. The student attendees and mentors got a hands on experience learning about the forest by visiting the Faculty of Forestry’s Malcolm Knapp Research Forest in Maple Ridge. For information about the Verna J Kirkness Foundation see www.vernajkirkness.org/.

In November 2016, an installation ceremony for the Bill Reid Looplex X Canoe was held in the Forest Sciences Centre. The Looplex X was donated to the First Nations House of Learning by Martine Reid and Don Martin. Extensive restoration work was done by Haida Hereditary Chief and renowned artist James Hart and apprentices John Brent Bennett, Brandon Brown, Mary Hart and Carl Hart. The Centre for Advanced Wood Processing’s Lawrence Günther helped in the restoration. With permission from the First Nations House of Learning, the Musqueam and the Haida Peoples, the Looplex X now hangs as a symbol of the relationship between the Faculty and First Nations (see cover photo). For more information about the Looplex X Canoe see www.forestry.ubc.ca/2017/01/bill-reids-looplex-x-in-the-forest-sciences-atrium/.

**Curricula**

The Faculty completed 2 transfer programs last year: one with Northwest Community College and another with Langara College. Learn more about our transfer programs at: http://aboriginal.forestry.ubc.ca/prospective-students/transferring-to-ubc-forestry/.

**Conferences**

Dr Nicholas Coops and Andrea Lyall organized a training workshop for faculty, researchers, and graduate students with their collaborators and community partners to discuss Indigenous research and engagement. Several community research partners participated.

The Faculty of Forestry is an official sponsor of the Native American and Indigenous Studies Association Conference which will be held at UBC from 22-24 June 2017.

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New Appointments

Cole Burton joined the department as Assistant Professor and CRC Tier 2 nominee in January 2017.

Trevor Jones joined the department as Lecturer and Coordinator of the Master of Geomatics for Environmental Management program in April 2016.

Cecil Konijnendijk joined the department as Professor in Urban Forestry in July 2016.

William Nikolakis joined the department in January 2017 as Lecturer and Coordinator for the Master of International Forestry program.

Hisham Zerriffi joined the department as Associate Professor after transferring from the Liu Institute for Global Issues in July 2016.

Retirement

Heather Akai retired from her position of Department Administrator in December 2016 after serving in this role for the past 13 years and prior positions in the Faculty since 1985.

Moves

George Hoberg moved to the Liu Institute for Global Issues in July 2016.

Rajat Panwar moved to the Department of Wood Science in July 2016.

Joleen Timko resigned from her position of Lecturer and Coordinator of the MIF program to join the Department of Wood Science in February 2017.

Awards and Distinctions

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EL-LAKANY, Hosny  
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BSc (1970) Prince Edward Is, MSc (1973) Alberta, PhD (1985) Quebec
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MITCHELL, Stephen
Associate Professor and Director, MSFM Program
Silviculture
BSF (1987), PhD (1999) Brit Col, RPF
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PRESCOTT, Cindy
Professor
Forest Nutrition
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RHEMTULLA, Jeanine
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Landscape Ecology & International Forestry
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RITLAND, Kermit
Professor
Population and Quantitative Genetics
Calif, Davis
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SIMARD, Suzanne
Professor
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VAN DEN BOSCH, Matilda
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Environment and Public Health
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WANG, Tongli
Assistant Professor
Forest Geneecology and Climate Change
Adaptation
MSc (1992), PhD (1996) Helsinki
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WATTS, Susan
Lecturer and Assistant Dean, Communications
Forest Entomology
BSc (1973) Wales, MF (1976), PhD (1981) Brit Col, RPF
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Research Associates
CAPRON, Arnaud
BSc, MSc, PhD
Fungal Molecular Biology and Genomics

DORDEL, Julia
BSc, MSc, MSc, PhD
Forest Sciences, Forest Ecology and Management

FEAU, Nicolas
PhD
Forest Pathology

MCKOWN, Athena
BSc, PhD
Plant and Microbial Biology

MARTINS, Eduardo G
BSc, MSc, PhD
Population and Movement Ecology of Fish

RITLAND, Carol
BSc, MSc, PhD
Molecular Genetics

SMETS, Pia
MSc, PhD
Forest Genetics, Genecology
Sessional Lecturers

**BETT, Nolan Nicholas**
BSc, MA, PhD
Aquatic Ecology

**DESCALZO, Rolando**
MPM, PhD
Plant Pathology and Pest Management

**FRYER BARRON, Sara**
BA, MLA
Urban Forestry

**FUREY, Nathan Bruce**
BSc (Honors), MSc, PhD
Aquatic Ecology

**HARROWER, William**
BSc (Hons), MSc, PhD
Wildlife Ecologist

**HOUDE, Aimee Lee**
BSc (Hons), MSc, PhD
Aquatic Ecology

**IBARRA ELIESSETCH, Tomás Jose**
BSc, MSc, PhD
Avian Community Ecology and Conservation

**KUGLEROVÁ, Lenka**
BSc, MSc, PhD
Riparian and Stream Ecology

**NELSON-FLOWER, Martha Joan**
BSc, MSc, PhD
Genetics, Evolution and Field Ecology

**REID, Anya Martina**
BSc, MSc, PhD
Silviculture and Forest Nutrition

**RUAN, Xiaofeng**
BSc, MSc, PhD
Biodiversity Conservation

**RYAN, Teresa**
BSc, MSc, PhD
Natural and Cultural Resource Management

**SIDDIG, Ahmed Ali Hassabelkreem**
BSc, MSc, PhD
Dry Land Ecosystems Ecology & Conservation

**TOMSCHA, Stephanie**
BSc, MSc, PhD
Landscape Ecology

**VALDEZ DRAKE, Anna**
BSc, MSc, PhD
Wildlife Ecology

**YODER, Jeremy Byard**
BSc, PhD
Evolutionary and Ecological Genetics

**Visiting Scholars**

**GAO, Ruihe**
PhD Candidate
Beijing Forestry University

**HAN, Li**
PhD Candidate
Sichuan Agricultural University

**JIN, Jiali**
PhD Candidate
Beijing Forestry University

**WANG, Qing**
PhD Candidate
Beijing Forestry University

**XU, Wenqiang**
Associate Professor
Xinjiang Institute of Desert and Oasis Ecology, China

**Adjunct Professors**

**BULMER, Charles**
BSc, MSc, PhD
(BC Ministry of FLNRO)
Productivity of Disturbed and Rehabilitated Soils

**COATES, David**
BSc, MSc, PhD
(BC Ministry of FLNRO)
Silviculture and Forest Ecology

**COCKLE, Kristina**
BSc, MSc, PhD
Instituto de Bio y Geociencias del NOA (CONICET-Salta)
Avian Ecology

**DREVER, Mark**
BSc, MPM, PhD
(Canadian Wildlife Service, Environment Canada)
Avian Ecology and Conservation

**KRISHNAMURTHY, Ramesh**
MSc, PhD
(Wildlife Institute of India – Ministry of Environment, Forests & Climate Change, Government of India)
Landscape Ecology, Wildlife Biology

**MARTIN, Tara**
BSc, PhD
CSIRO, Australia
Population and Conservation Biology

**MILLER, Kristina**
BSc, MSc, PhD
(Fisheries and Oceans, Canada)
Functional Genomics, Molecular Genetics, Salmon

**NEWMAN, Reg**
BSc, BSF, PhD
(BC Ministry of FLNRO)
Range Ecology

**STOEHR, Michael**
BSc, MSc, PhD
(BC Ministry of FLNRO)
Forest Genetics and Tree Breeding

**YANCHUK, Alvin**
BSc, MSc, PhD
(BC Ministry of FLNRO)
Gene Conservation

**Affiliate Professors**

**CAO, Sam**
BS, MS, PhD
(Nanjing Forestry University)
Forest Ecology

**COOKE, Stephen J**
BSc, MSc, PhD
(Carleton University)
Fish Ecology and Conservation Physiology

**CROSSIN, Glenn**
BA, BSc, MSc, PhD
(Dalhousie University)
Behavioural and Physiological Ecology

**PICKLES, Brian John**
BSc (Honors), MSc, PhD
(University of Reading, UK)
Ecology & Evolutionary Biology

**Professors Emeriti**

**BUNNELL, FL**
Professor Emeritus (2007)

**FELLER, M**
Associate Professor Emeritus (2009)

**KIMMINS, JP**
Professor Emeritus (2007)

**McLEAN, JA**
Professor Emeritus (2008)

**NORRHRCOTE, T**
Professor Emeritus (1992)

**SULLIVAN, Thomas**
Professor Emeritus (2016)
van der KAMP, B
Professor Emeritus (2006)

WEETMAN, G
Professor Emeritus (1998)

WORRALL, J
Associate Professor Emeritus (2003)

Staff

CASSELMAN, Matt
BSc, MSc
Research Assistant/Technician

CHAN, Andrea
BSc
Financial Clerk

CHANG, Alice
BSc, MSc, PhD
Research Scientist

CHENG, Rosemarie
BSIE
Financial Coordinator

DESCALZO, Rolando
MPM, PhD
Collections Manager

HERATH, Padmini
BSc, MSc
Research Assistant/Technician

HODGES, Norman
BSc
Computer Specialist

LAI, Ben
BSc, MSc
Research Assistant/Technician

LOTTO, Andrew
RMOT
Research Assistant/Technician

MISCAMPBELL, Allyson
BSc, MSc
Research Scientist

MUTIA, Christine
B Admin
Financial Clerk

ROACH, Jean
BSc, RPF
Research Assistant/Technician

SETO, Carrie
BA
Administrator

THOMPSON, Natasha
BA
Departmental Secretary

TUYTEL, Joanne
BSc
Research Assistant/Technician

YUEH, Hesther
BSc
Project Manager

New Appointments

Patrick Culbert joined the department as Instructor I in July 2016.

Matilda van den Bosch joined the department in July 2016 as Assistant Professor in a dual appointment with the School of Population and Public Health

Retirement

Tom Sullivan retired from his position as Professor in the department in July 2016. Tom was a member of the Faculty of Forestry from 1990 to 1997 before returning to UBC in 2004.

Awards and Distinctions

GRAYSTON, Sue
Guest Professor, Boku University, Vienna, Austria

LAVALLE, Suzie
Outstanding Reviewer for Natural Sciences Education
AVRAMIDIS, Stavros
Professor and Head
Wood Physics and Drying
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COOL, Julie
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DETTMER, Jörn
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ELLIS, Simon
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EVANS, Philip D
Professor and BC Leadership Chair in Advanced Forest Products
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FÜRST, Robert
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Manufacture of Secondary Wood Products
Master Dip (1992) Augsburg
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GASTON, Chris
Honorary Associate Professor (FPInnovations)
BSc (1979), Brit Col, MSc (1982) Guelph,
PhD (1996) Brit Col
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KOZAK, Robert
Professor and Associate Dean, Academic Sustainable Business Management
BSc (1988), PhD (1996) Brit Col
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LAM, Frank
Professor and Senior Chair in Wood Building Design and Construction
Timber Engineering
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PhD (1992) Brit Col, PEng
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LEUNG, Vincent
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Computer Aided Design and Manufacture
BSc (2007) Brit Col
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MANSFIELD, Shawn
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Biotechnology and Chemistry of Wood Fibres
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MCFARLANE, Paul
Professor (retired Dec 31 2016)
Environmental Aspects of Wood Products and Processing
B Tech (Hons) (1973), PhD (1979) Massey
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PANWAR, Rajat
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Sustainable Business Management
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Advanced Renewable Materials
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PhD (2004) Virginia
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Professor  
Forest Products Biotechnology/Bioenergy  
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Glasgow, FIAWS  
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SMITH, Gregory  
Professor  
Wood Composites  
BASc (1988), MASc (1992) Brit Col,  
Dr ScTechn (1996) Swiss Federal Inst, PEng  
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SOWLATI, Taraneh  
Professor  
Forest Products and Forest Biomass Supply  
Chain Management and Optimization  
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TANNERT, Thomas  
Associate Professor and Associate Chair in  
Wood Building Design and Construction  
(Wood Science, Applied Science)  
Timber Engineering  
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HU, Jinguang  
BSc, MSc, PhD  
Forest Products Biotechnology and Bioenergy

KARAASLAN, Muzaffer  
BSc, MSC, PhD  
Advanced Renewable Materials

PATANKAR, Saurabh  
BEng, MEng, PhD  
Advanced Renewable Materials

PIZZIRANI, Stefania  
BA, MSc, PhD  
Sustainable Forest Management

SCHNEIDER, Johannes  
Dip, PhD  
Cross Laminated Timber Walls

UNDAR, Faride  
BSc, MSc, PhD  
Plant Cell Wall Phenotyping and Biochemistry

VAN DYK, Jacoba Susanna  
BA, LLB, LLM, BSc, PhD  
Lignocellulose Bioconversion

Visiting Scholars  

BAI, Shixiu  
Associate Professor  
Northeast Forestry University

CHENG, Dali  
Assistant Professor  
Nanjing Forestry University

DUAN, Jiufang  
Associate Professor  
Beijing Forestry University

LI, Tao  
Assistant Professor  
Nanjing Forestry University

TANAKA, Takashi  
Assistant Professor  
Shizuoka University

Adjunct Professors  

BEATSON, Rodger  
BSc, PhD  
(BC Institute of Technology)  
Pulp and Paper Chemistry

BULL, Justin  
BA, PhD  
(ComplyWorks)  
Globalization and Sustainability

DAI, Chunping  
BSc, MSc, PhD  
(FPInnovations)  
Wood Composite Products & Processing, Computer Modeling

DEAN, Christine  
BSc, PhD  
Global Timberlands Technology
MORRIS, Paul  
BSc, PhD  
(FPInnovations)  
Preservation and Protection

OLIVEIRA, Luiz  
BSc, MSc, PhD  
(FPInnovations)  
Wood Drying

POPOVSKI, Marjan  
MSc, PhD  
(FPInnovations)  
Advanced Building Systems

POTTER, Alan  
BSc, MBA, PhD  
(Potter & Associates)  
Forest Sector Transformation and Development

SIANCHUK, Rob  
BSc, MaSc  
(Cold Stream Consulting)  
Life Cycle Assessment Analysis

STUTHRIDGE, Trevor  
BSc, MSc, PhD  
(FPInnovations)  
Green Biotechnology and Sustainability

Professors Emeriti

BREUIL, C  
Professor Emerita (2013)

COHEN, David  
Professor Emeritus (2016)

GARDNER, JA  
Dean Emeritus (1985)

KENNEDY, R  
Dean Emeritus (1992)

MCFARLANE, Paul  
Professor Emeritus (2017)

Staff

CHIU, Jason, BSc  
Training and Continuing Education Specialist (until Jan '17)

CHUNG, Pablo, BS, MSc  
Research Scientist

DETTMER, Jörn, DI, MSc  
Technical Facilities Supervisor

FUNG, Ivy, BBA  
Senior Financial Specialist

GO, Genevieve, BSc, MBA  
Administrator

GUNThER, Lawrence  
Facilities Coordinator

HASTINGS, Diana, BSc  
Research Assistant/Technician

KERTESZ, Martha, BSc, MBA  
Research Coordinator

LI, Nikki, BSc  
Administrative Support Clerk

LEE, George, BSc, MSc  
Wood Engineer Scientist

LIU, Winfield, BA  
Computer Support Specialist

MACDONALD, Iain, BA, MSc  
Managing Director, CAWP

RUBIO, Javier, BSc  
Engineering Technician

SIVIC, Sanya, BA  
Co-op Coordinator & Recruitment Officer

TECSON, Gladys, BSc  
Research Group Manager

ZHANG, Chao, BSc, MSc  
Research Engineer

Retirement

Paul McFarlane retired in December, 2016. Paul served as head of the Department from 2002 until the end of 2011.

Awards and Distinctions

EVANS, Philip  
AWPA Student Travel Fellowship to student W He
IRG Ron Cockcroft Award to student Yuner Zhu

KOZAK, Robert  
FLARE Pathways to Prosperity Award

LAM, Frank  
Best article award by the Journal of Wood Science

MANSFIELD, Shawn  
Highly Cited Research 2016, selected by Thomson Reuters, ISI

SADDLER, Jack (John)  
Johannes Linneborn Prize  
Green Fuels Industry Leadership Award

TANNERT, Thomas  
Promoted to Associate Professor, July 1, 2016
The Centre For Advanced Wood Processing (CAWP) is Canada's national centre for education, extension and research for the advanced wood products industries. Our mission is to improve the capacity and competitiveness of the value-added wood products manufacturing industry. We do this by providing continuing education and training programs, running seminars and conferences, setting up networking opportunities, organizing overseas technical tours, and carrying out company-specific technical assistance projects. Our clients include manufacturers, industrial designers, architects and other professionals. We also provide assistance to international partners to set up or improve education and training programs related to sustainable value-added manufacturing.

CAWP provides facilities and technical expertise for course lab sections in the BSc Wood Products Processing program. We also facilitate wood processing-oriented projects involving UBC units such as the School of Architecture and Landscape Architecture and Civil Engineering, and with other institutions such as Emily Carr University of Art and Design, BCIT and others. Finally, we support research, both with our technical team and facilities, and by helping industry find solutions to current competitive challenges by linking them with researchers who may be able to provide avenues for change.

We are fortunate to have enviable lab facilities equipped with the latest advanced manufacturing equipment. CAWP is funded through an endowment, Forestry Innovation Investment’s Wood Futures program, and with in-kind contributions of software, machinery, supplies, and services from many industrial equipment and technology suppliers, which significantly enhance our facilities. CAWP is linked with many industry associations such as the Wood Manufacturing Council and collaborates with others such as BC Wood Specialties, Woodworks BC, and FPInnovations on program delivery.

**Highlights**

- In February we organized the inaugural Holzbau Pacific Northwest Timber Building Conference. This was the first of 4 Wood Week BC events. Participants and speakers came from across Canada, USA and Europe. Holzbau Forum is the largest network of professional learning events on wood construction.

- We partnered with BC Wood for Gray Conversation: A Living with Wood Design Forum at the Museum of Vancouver. This interactive discussion forum shared the story of several local designers and showcased their work. This was the second of 4 events as part of Wood Week BC.

- Our UBC Certificate Program in Industrial Finishing, taught by Professor Philip Evans and Jason Chiu, was delivered to industry learners from around Canada, United States, and the UK.

- Courses in our popular Kiln Drying Certificate Program were held again this year for industry learners.

- We promoted and ran several online modules of the Wood Manufacturing Council Management Skills Training Program for entrepreneurs and management-track employees of wood manufacturing businesses.

- We organized and led a successful tour of world renowned timber structures, state-of-the-art producers of sustainable prefabricated homes, and building component manufactures in Switzerland, Austria and Germany for BC manufacturers.

- We carried out 14 projects with BC manufacturing companies to develop new products or improve manufacturing operations.

- We held a successful robotic fabrication workshop on the design and fabrication of freeform timber structures. This event was taught by research associates from the Institute for Computation Design in Stuttgart, Germany and was attended by architects, manufacturers, students and engineers from Canada, United States, and Mexico.

- Our ‘Outside the Box Meetup Group’, a forum for networking and exchange between manufacturers, industrial designers and others in the wood products supply chain, held 9 meetup sessions and now exceeds 240 members. A large number of interesting partnerships and business arrangements have been spawned through the group’s activities. Members also participated in the “Why I Design” design exhibition evening at Museum of Vancouver, attracting over 400 visitors.

- CAWP participated in the biennial BAU 2017 show in Munich, Germany. We showcased pieces designed and carved by 2 local First Nations carvers. This was a part of our Opening Doors First Nations carving project led by Dr Chris Gaston and in collaboration with FPInnovations and BC Wood. Over 250,000 guest attend this trade show.
The Faculty of Forestry operates 2 Research Forests: The Malcolm Knapp Research Forest near Maple Ridge on the coast, and the Alex Fraser Research Forest near Williams Lake in the central interior of BC.

Their mission is to support the Faculty, other partner universities and research organizations in serving the people of BC through teaching and research. The location of the forests, covering 6 diverse biogeoclimatic subzones and 3 tenure systems, offers a variety of research and education opportunities.

Malcolm Knapp Research Forest

Paul Lawson
BSF, MBA, RPF
Director, University Research Forests
604.463.8148
paul.lawson@ubc.ca

Cheryl Power
BSF, RPF
Resident Forester
cheryl.power@ubc.ca

Highlights
- Initiated 8 new research projects.
- Completed renovations of the old Panabode Dining Hall at Loon Lake, converting it to a 22 bed lodge and conference room. Project cost was $550,000, delivered on time and on budget. This project completed the redevelopment of the Loon Lake facility that began in 2003.
- In conjunction with the Canadian Woodlands Forum, hosted DEMO International 2016 - a world class exhibition of forest sector technology and equipment in September. Over 7,000 attendees including 200 UBC Forestry students.
- Opened the "Stump House Interpretive Trail" as legacy of DEMO. Trail includes 2 stump houses, 14 interpretive panels and learning shelter donated by Caterpillar Forest.
- With Ritchie Bros Auctioneers, held a charity auction at DEMO raising over $33,000 to assist UBC Forestry students with the cost of field schools. Dedicated a permanent donor fund for this - the Forestry Field School Fund.
- Employed 2 forestry undergraduate students on 4 month internships, and 2 graduate students on 8 month internships.
- Hosted Loon Lake facility use of 19,483 visitor-days (up 15% from 2015 and 29% from 2014).
- Initiated a web and social media marketing campaign to reach new Loon Lake retreat customers.
- Hosted Spring Field School in April, Conservation Field School in October and the Master of Sustainable Forest Management Field School in October - attended by over 100 students in total.
- Hosted over 350 children and 250 volunteers at the 13th annual Canadian Cancer Society Camp Goodtimes held at Loon Lake in July and August.
- Milled over 560,000 board feet of lumber at our sawmill facility, an increase of 18% over 2015.
- Planted over 57,000 trees on 41 hectares.

Research Forests harvesting 2016

<table>
<thead>
<tr>
<th></th>
<th>Malcolm Knapp</th>
<th>Alex Fraser</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>Logging</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>m$^3$</td>
<td>19,541</td>
<td>6,604</td>
<td>26,145</td>
</tr>
<tr>
<td>ha</td>
<td>34.1</td>
<td>20.0</td>
<td>54.1</td>
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<td>Commercial Thinning/Partial Cutting</td>
<td>934</td>
<td>11,575</td>
<td>12,509</td>
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<td>m$^3$</td>
<td>2.8</td>
<td>45.0</td>
<td>47.8</td>
</tr>
<tr>
<td>ha</td>
<td>3.3</td>
<td>4.9</td>
<td>8.2</td>
</tr>
</tbody>
</table>

Alex Fraser Research Forest

Ken Day
BScF (Hons), MF, RPF
Manager, Alex Fraser Research Forest
250.392.2207
ken.day@ubc.ca

Cathy Koot
BSc (Hons), RPBio
Coordinator, Research
Cathy.Koot@ubc.ca

Highlights
- Initiated 13 new research projects.
- Hired 2 full-time, permanent staff for the positions of Planning Forester and Assistant Operations Supervisor.
- Employed 1 forestry undergraduate, and 1 forestry graduate student on 8-month internships.
- Organized and held the Faculty’s Interior Field School in August and contributed to course content for the new Urban Forestry Field School in April.
- Hosted 603 students, researchers and professionals for a total of 902 contact-days.
- Provided 2 months of practical forestry experience to 2 German students.
- Planted 49,300 seedlings over 6 cutblocks, totaling 36.2 ha.
- Built 1.9 km of new road for current logging and 0.9 km of new road for future blocks.
- Continued under contract to manage the Williams Lake Community Forest, accomplishing a successful harvest program.
- Worked with BC Community Forest Association to deliver forest management extension throughout the province.
Annual Report, April 1, 2016 – March 31, 2017

DEVELOPMENT AND ALUMNI ENGAGEMENT

Emma Z Tully
BA
Assistant Dean, Development and Alumni Engagement
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Dip PR
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Janna Kellett
BA
Officer, Alumni Relations
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Debbie McPherson
BA
Coordinator, Development
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$4,029,946
funds raised

1,827
alumni engaged with the Faculty

We couldn’t have done it without you

The Faculty of Forestry had another exceptionally strong year with regards to funds raised and alumni involvement. It has been rewarding to see the number of individuals and organizations participating in the life of the Faculty grow year over year, creating a dynamic and strong forestry community centred round world-class research and education.

**Everyone benefits when participation and support increases** – students learn from the experiences of alumni and those in the profession who volunteer their time to mentor or be guest speakers; students also benefit tremendously from donor funded student awards and are able to better focus on their studies. Faculty members are able to grow their research programs and recruit outstanding graduate students through donor funded graduate fellowships and support to purchase vital equipment. Alumni benefit from a lifelong connection to their alma mater through networking opportunities and social and educational events. Organizations benefit from interacting with tomorrow’s leaders and professionals and having access to the expertise that resides within the Faculty. The broader community thrives when our forests and lands are sustainably managed and best practices are shared with Aboriginal communities, land and community forests managers and forest professionals.

Donor funding and the participation of alumni and other partners provides the margin of excellence that allows us to be one of the top forestry schools in the world. Government funding and tuition fees alone simply do not allow us to offer the student experiences and teaching and research environment required to tackle today’s major global issues and produce highly skilled graduates so thank you to all those who donated, volunteered or engaged with us over the past year. We couldn’t have done it without you.

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**Source of funds raised**

- Corporations: $2,065,864 (51%)
- Foundations: $913,892 (23%)
- Alumni: $209,436 (5%)
- Other Organizations: $798,201 (19%)
- Other Individuals: $102,553 (3%)
- Other Organizations: $62,443 (2%)
- Endowments: Academic $4,004 (0.1%)

**Application of funds raised**

- Programs: $1,493,832 (37%)
- Student Aid Endowments: $199,186 (5%)
- Research: $1,810,258 (45%)
- Capital: $62,443 (2%)

**Top alumni drivers**

- Volunteer 56
- Career Development Activities 40
- Alumni Card Usage 95
- Contests 103
- Trek Online Click Through 536
- Address/Phone/Email Update 602
- Survey Responses 133
- Event Attendees 397
- Alumni Card 239
- Pledges 290
- Corporations 51%
- Foundations 23%
- Alumni 5%
Incomes

Over the past year (April 1, 2016 and March 31, 2017), I am delighted to report that members of the Faculty of Forestry were awarded close to $12.2 million in research awards in support of 266 new and ongoing projects. This level of research funding represents an increase of 29.6% from the previous year and an increase of 12% over our past 5 year average. A great result!

Much of this success can be attributed to new awards from federal and provincial Genome agencies. Genome Canada awards totaled $2.3 million in support of 4 major projects led by Drs Sally Aitken, Joerg Bohlmann, Yousry El-Kassaby and Richard Hamelin with many other faculty members as co-investigators. Congratulations.

We received Tri-Council awards totaling $4.2 million in support of 80 projects – an increase of 30.7% from the previous year and well above UBC’s overall Tri-Council funding increase of 0.2%. Members of the Faculty held 29 Discovery grants, 11 Engage grants, 8 new and ongoing Strategic grants, 7 Collaborative Research and Development grants, 2 Industrial Research and Development Internships, 4 SSHRC Insight Development grants and 1 SSHRC Connection grant. The Network of Centres for Excellence provided $463,154 (through BioFuelNet) in support of 12 research projects. Canada Research Chair awards (Coops and Renneckar) contributed another $300,000. Thirteen faculty members received research funding from Innovation, Science and Economic Development Canada (ISED) in support of 19 projects.

In contrast to our federal successes, provincial funding in support of research was down almost 19% over 15/16 funding levels. We are grateful for funding provided by the BC Ministry of Forests, Lands and Natural Resource Operations that supported 12 research projects with funding levels up by 3.2% while all other funding agencies showed declines.

Private funding support ($1.5 million) for research was up by 12.5% over monies received in 2015/16. These funds supported a total of 84 projects. Foundation-based support for research was up by 14.8% at $509,021. Industry-based funding support ($346,241) was up by 3.1% over the previous year.

Our international impact with respect to research funding has remained strong. Over the past year, international sources accounted for 10.1% of total research funding by providing $1.23 million in support of 18 projects.

We also received endowment income of $1.37 million (up 11.7% from the previous year). This funding is provided by endowments originally set up by Forest Renewal BC, as well as from the private sector.

Extramural funding sources 2016 – 17*

<table>
<thead>
<tr>
<th>Source</th>
<th>($)</th>
<th>Count</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tri-Council</td>
<td>4,209,740</td>
<td>80</td>
<td>34.5</td>
</tr>
<tr>
<td>Genome Canada</td>
<td>2,300,312</td>
<td>11</td>
<td>18.9</td>
</tr>
<tr>
<td>ISED</td>
<td>273,194</td>
<td>19</td>
<td>2.2</td>
</tr>
<tr>
<td>NRC</td>
<td>170,000</td>
<td>3</td>
<td>1.4</td>
</tr>
<tr>
<td>Other</td>
<td>508,357</td>
<td>8</td>
<td>4.2</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>7,461,604</td>
<td>121</td>
<td>61.2</td>
</tr>
<tr>
<td>Provincial</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Genome BC</td>
<td>584,291</td>
<td>3</td>
<td>4.8</td>
</tr>
<tr>
<td>BCMoFLNRO</td>
<td>390,977</td>
<td>12</td>
<td>3.2</td>
</tr>
<tr>
<td>Mitacs</td>
<td>236,444</td>
<td>17</td>
<td>1.9</td>
</tr>
<tr>
<td>FII</td>
<td>222,100</td>
<td>1</td>
<td>1.8</td>
</tr>
<tr>
<td>PICS</td>
<td>156,730</td>
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<td>1.3</td>
</tr>
<tr>
<td>BC Hydro</td>
<td>132,625</td>
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<td>1.1</td>
</tr>
<tr>
<td>Other</td>
<td>266,665</td>
<td>6</td>
<td>2.2</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>1,989,832</td>
<td>43</td>
<td>16.3</td>
</tr>
<tr>
<td>Private</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foundations</td>
<td>509,021</td>
<td>14</td>
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</tr>
<tr>
<td>UBC Internal</td>
<td>551,524</td>
<td>36</td>
<td>4.5</td>
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<tr>
<td>Industry</td>
<td>346,241</td>
<td>29</td>
<td>2.8</td>
</tr>
<tr>
<td>Other</td>
<td>97,922</td>
<td>5</td>
<td>0.8</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>$1,504,707</td>
<td>84</td>
<td>12.3</td>
</tr>
<tr>
<td>International</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1,229,403</td>
<td>18</td>
<td>10.1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$12,185,546</td>
<td>266</td>
<td>100</td>
</tr>
</tbody>
</table>

* Excluding endowments.

Outcomes

As the main currency of scientific endeavor, faculty members continue to publish peer-reviewed articles with total levels similar to last year. In the past year, faculty members authored 260 articles in 161 peer-reviewed journals. The number of journals we publish in continues to increase (57 new journals added over the past year) and is indicative of our increasing scope of research. Our faculty members continue to provide service to the community by voluntary peer review, reviewing 1,232 journal articles for publication in 133 different journals during the year. Drs Coops, Guy, Konijnendijk, Panwar and Prescott served as senior editors for 5 international peer-reviewed journals (Canadian Journal of Remote Sensing, TREES – Structure and Function, Urban Forestry and Urban Greening, BioProducts Business and Forest Ecology...
Extramural funding 5-year trend

Extramural Funding $12,185,546

Breakdown of extramural funding 5-year trend

Federal $7,461,604
Provincial $1,989,832
Private $1,504,707

$12,185,546 in total research funding  
29.6%

$4,209,740 in Tri-Council funding  
30.7%

and Management). As well, 12 faculty members served as associate editors of 13 different journals and 8 individuals served on editorial boards of 20 journals across the spectrum of forest-related journals. Faculty members also reviewed 90 research grant proposals for 32 research funding agencies around the world, including France, Austria, Belgium, Germany, China, Netherlands and the USA. Faculty members made presentations at 91 scientific conferences in 20 countries outside of Canada including Afghanistan, Argentina, Australia, Austria, Belgium, Belize, Chile, China, France, Greece, Italy, Malaysia, New Zealand, Slovenia, South Africa, Sweden, The Netherlands, United Kingdom, USA and Vietnam. More locally, our faculty members gave 29 talks to professional groups within Canada.

As part of our increasing international training role, the past year has seen 28 faculty members welcoming 52 visiting researchers from 12 countries, principally China and India. Our diversity is also enriched with 47 post-doctoral fellows from 18 countries.

From April 1 2016 to March 31, 2017, researchers in the Faculty of Forestry were cited 103 times in the media (up 43% from the previous year) indicative I think of the increasing role social media plays in our professional lives. These research stories included recycling chopsticks for home décor, bird behaviour, wild fires (especially Fort McMurray), drought and climate change. We have established a new on-line data base “Forestry in the News” (www.forestry.ubc.ca/news/forestry-in-the-news/) that catalogues all of our media mentions by headline, source and researcher. UBC Public Affairs produced several short research videos for the Faculty during the year. The top videos were: ikea hacking, balsa buoy and the chopstick story. The chopstick video received more than 2,800 views on UBC’s YouTube channel and was shared on Huffington Post, Vancouver Sun and CBC’s Facebook pages, totaling more than 1.6 million views all together. The balsa buoy had 1,886 views on UBC’s Youtube channel. These videos can be viewed at http://news.ubc.ca/tag/faculty-of-forestry/

Highlights

As we see an increasing emphasis on clusters of research we see Forestry faculty members very well represented in both national and University wide initiatives. At the federal level, Forestry was co-applicant on 2 Canada Excellence Research Chair proposals (Forest Bioproducts and Adapting Biosystems). Both of these proposals took an astonishing amount of work and I thank all faculty members who devoted time and energy to that endeavor. Our collective research in these areas was also rewarded with President’s Excellence chairs defined and advertised in these areas. In addition, UBC has supported development of research clusters within the University in both the social and natural sciences with Shawn Mansfield, Stephen Shepherd and Rob Kozak (with the respective research teams) all leading cluster development projects.

We have welcomed the first of our 3 new proposed CRC-2 faculty members (Cole Burton) with the other 2 starting within the next year.

During the year we held a research day focusing on research approaches for Indigenous communities, a workshop on advanced computing and a round table for SSHRC researchers and UBC SPARC. We also continued our very successful Brown Bag Lunch Series providing a venue for faculty members to discuss their latest research findings.
SOCIAL MEDIA AND WEB PRESENCE

Channels

Facebook
/ubcforestry
1,447,938 impressions
6,050 engagements
10,242 link clicks
2,224 page fans

Instagram
@ubcforestry
@forestrycoop
15,619 likes
2,864 followers

Twitter
@ubcforestry
389,801 impressions
1,095 mentions
3,120 followers

LinkedIn
/ubcforestry

Snapchat
@forestry.ubc.ca

www.forestry.ubc.ca

123,446 visitors
480,651 page views

The Faculty of Forestry web site features:

- Academic program outlines and registration guides
- Profiles of faculty members
- Department and allied program descriptions
- Faculty newsletters, annual reports and special event announcements
- Course materials and educational multimedia
- General interest articles and web feature presentations

Any comments or suggestions about our digital initiatives can be sent to renita.drakes@ubc.ca
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