

## Faculty of Forestry | Profiles

[Faculty of Forestry](#)

Faculty Profiles ▼

[Login](#)

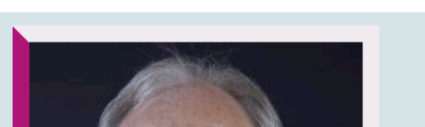
[Home](#) / [Profiles](#) / [Paul McFarlane](#)

## Expert Search

## Research Keywords

[soil science](#) [stream and riparian](#)  
[research](#) [forest measurements](#) [remote](#)  
[sensing](#) [international trade](#) [business](#)  
[management](#) [plant physiology](#)  
[microbiology](#) [hydrology](#) **forest**  
**management** [biometrics](#)  
[genetics](#) **conservation**  
[forest biology](#) **climate**  
**change** [communications](#)  
**ecology** **genomics** [sampling](#)  
[design](#) [population demography](#)  
[stand dynamics](#) **ecosystems**  
[wood anatomy](#) [silviculture](#)  
**modelling** [biotechnology](#)  
[vertebrate ecology](#) [economics](#)  
[engineering](#) [wood science](#) [social](#)  
[science](#) **biodiversity**  
**sustainability** [forest policy](#)  
[aboriginal forestry](#) [landscape](#)  
[ecology](#) [wood durability](#) [landscape](#)  
[planning](#) [entomology](#) [communities](#)  
[and livelihoods](#) **wood**  
**products** [social impact](#) [ornithology](#)  
[forest operations](#) [wood technology](#)





## Paul McFarlane

*Professor*

**Research Interests:** [wood products](#)

[Contact Info](#)

[Teaching and Research](#)

[Publications](#)

[Department of Wood Science](#)

Forest Sciences Centre  
2424 Main Mall  
Vancouver, BC V6T 1Z4  
Canada

work phone: 604-822-7667

[paul.mcfarlane@ubc.ca](mailto:paul.mcfarlane@ubc.ca)

Areas of research include:

- Environmental aspects of wood products and processes

## Projects

**Impacts of technological innovations in the forest products value chain on SFM**

## Awards

Fellow of the International Academy of Wood Science

Fellow of the Institute of Wood Science

## Current Graduate Students

**Andrew Burke, MSc**

*Life Cycle Assessment of Direct-fixed combustion and gasification systems using regionally sourced biomass from British Columbia*

**Yu (Vivian) Li, PhD**

---

## Current Courses

Summer 2013

**No WOOD course(s) were found for S2013 term.** Summer 2013

**No WOOD course(s) were found for S2013 term.** Summer 2013

**No WOOD course(s) were found for S2013 term.** Summer 2013

**No WOOD course(s) were found for S2013 term.**

## Selected Publications

*Sianchuk, R.A., Ackom E.A. and McFarlane, P.N. (2012). Determining stocks and flows of Structural Wood Products in Single Family Homes in the United States between 1950 and 2010.* Forest Products Journal. –

*Sianchuk, R.A. and McFarlane, P.N (2011). Quantification of carbon contained in structural wood product stocks and flows in single family homes in the United States.* Universidade Fernando Pessoa, Porto, Portugal. - Proceedings of the Fourth International Ecowood Conference on Environmentally Compatible Forest Products. P 23-32.

*Tu, M.B., Zhang, X., Paice, M., McFarlane, P.; Saddler, J.N. (2009). The Potential of Enzyme Recycling during the Hydrolysis of a Mixed Softwood Feedstock* – Bioresource Technology 100(24):6407-6415

*Tu, M.B., Zhang, X., Paice, M., McFarlane, P.; Saddler, J.N. (2009). Effect of Surfactants on Separate Hydrolysis Fermentation and Simultaneous Saccharification Fermentation of Pretreated Lodgepole Pine* – Biotechnology Progress 25(4):1122-1129

*Alteyrac, J., Ackom, E. and McFarlane P.N. (2008). Wood fibre flows in the British Columbian forest products industry.* -Universidade Fernando Pessoa, Porto, Portugal. -Proceedings of the Third International Ecowood Conference on Environmentally Compatible Forest Products. P 73-80. ISSN 978-989-643-016-00.

*Smiley, B.C. Franich, R.A. and McFarlane P.N. (2008). Innovative methods in wood tracking: the Chemi-code concept.* -Universidade Fernando Pessoa, Porto, Portugal -Proceedings of the Third International Ecowood Conference on Environmentally Compatible Forest Products. P 81-88. ISSN 978-989-643-016-00.

*Adamowicz, V., Boyda, A. and McFarlane, P.N. (2007): (2007). Global Wood Supply. Report #02 in the Series on “Drivers of Change in Canada’s Forests and Forest Sector”, prepared for the Forest Futures Project of the SFM Network, University of Alberta. 16 pp. November.* – –SFM Network, University of Alberta

*Adamowicz, V., Boyda, A. and McFarlane, P.N. (2007). Forest Products Demand. Report #03 in the Series on “Drivers of Change in Canada’s Forests and Forest Sector”, prepared for the Forest Futures Project of the SFM Network, University of Alberta. 17 pp. November* -SFM Network, University of Alberta –

*McFarlane, P.N., Ackom, E., Alteyrac, J. and Adamowicz, V. (2007). Technology in the Canadian Forest Products sector Report # 6 in the Series on “Drivers of Change in Canada’s Forests and Forest Sector”, prepared for the Forest Futures Project of the SFM Network, University of Alberta. 27 pp. November. -SFM Network, University of Alberta. –*

---

*McFarlane, P.N., Ackom, E., Alteyrac, J. and Adamowicz, V. (2007). Global energy drivers and implications for the Canadian Forest Sector. Report # 5 in the Series on “Drivers of Change in Canada’s Forests and Forest Sector”, prepared for the Forest Futures Project of the SFM Network, University of Alberta. November 2007 18pp. -SFM Network, University of Alberta –*

---

*Mabee, W.E., Fraser, E.D.G., McFarlane, P.N. and Saddler, J.N. (2007). Canadian biomass reserves for biorefining. – Applied Biochemistry and Biotechnology 129 (1-3) 22-40.*

---

*Ackom, E. and McFarlane, P.N. (2007). Mass flow analysis and technological innovation in the manufacture of solid wood products in British Columbia. Industrial Ecology for A Sustainable Future. Abstract book. 2007 4th International Society for Industrial Ecology Conference, Toronto, Canada. 17-20 June. P4. -Industrial Ecology for A Sustainable Future. Abstract book. 2007 4th International Society for Industrial Ecology Conference, Toronto, Canada. 17-20 June. P4. –*

---

*Ackom, E., McFarlane, P.N., Alteyrac, J., Mabee, W. and Saddler, J. (2007). Lignocellulosic biorefinery concept & industrial symbiosis in British Columbia. -Industrial Ecology for A Sustainable Future. Abstract book. 2007 4th International Society for Industrial Ecology Conference, Toronto, Canada. 17-20 June. P3. –*

---

*Ackom, E. and McFarlane, P.N. (2007). Technological innovation in the North American Panel Industry. - Industrial Ecology for A Sustainable Future. Abstract book. 2007 4th International Society for Industrial Ecology Conference, Toronto, Canada. 17-20 June. P216. –*

---

*Ackom, E., and McFarlane P. (2006). Impact of technological changes in the North American forest industry. . Proceedings of the Second International Conference on Environmentally Compatible Forest Products. Edicoes Universidade Fernando Pessoa, Porto, Portugal –*

---

*Smiley, B. and McFarlane, P. (2006). International forest certification systems and their chain of custody and ecolabelling requirements. Proceedings of the Second International Conference on Environmentally Compatible Forest Products. Edicoes Universidade Fernando Pessoa, Porto, Portugal –*

---

*Kate Wingate and Paul McFarlane (2005). Chain of Custody and eco-labelling of forest products: a review of the requirements of the major forest certification schemes – -International Forestry Review*

---

*Paul N. McFarlane (2004). Chain of custody plays a major role in maintaining consumer confidence in certification programs. -. – Logging and Sawmilling Journal 35 (6) 54.*

---

*Kate Wingate and Paul McFarlane (2004). A review of chain of custody requirements for different chain of*

Watts, S.B. and P. McFarlane (2004). **A review of chain of custody requirements for different chain of custody schemes.** -Edicoes Universidade Fernando Pessoa, Porto, Portugal -. Proceedings of the First International Conference on Environmentally Compatible Forest Products. 1, 441-448

(2004). **Wood fibre flows in the British Columbian forest products industry.**

(2004). **Wood fibre flows in the British Columbian forest products industry.**

Hoberg, G, R Guy, S Hinch, RA Kozak, P McFarlane and SB Watts (2003). **Image and Enrolments.** – Forum 10 (6):22-23.

Warren Mabee, Paul McFarlane, and Jack Saddler (2003). **The Biorefinery Concept in Alberta: Opportunities and Challenges.** A Report to the Alberta Science and Research Authority. 48pp. –

McFarlane, P.N (2003). **Chain of custody tracking for certified forest products.** -Branchlines. -September 2003

## Faculty of Forestry

2424 Main Mall  
Vancouver, BC Canada V6T 1Z4  
Website [www.forestry.ubc.ca](http://www.forestry.ubc.ca)  
Email [forestry.web@ubc.ca](mailto:forestry.web@ubc.ca)

[Back to top](#)



The University of British Columbia

[Emergency Procedures](#) |

[Terms of Use](#) |

[Copyright](#) |

[Accessibility](#)