

**Leong Chan, Ph.D.**  
**Assistant Professor**  
**Management**

**Academic Background**

- Ph.D. Technology Management, Portland State University, 2013
- M.S. Engineering Management, Portland State University, 2008
- B.S. Information Systems, Western Oregon University, 2006

**Professional Certifications**

- SAS Certified Statistical Business Analyst
- SAS Certified Advanced Programmer
- SAS Certified Base Programmer

**Faculty Qualification Status**

- Scholarly Academic (SA)

**Teaching**

*A. Undergraduate Level:*

- BUSA 310 Information Systems and Database Management
- BUSA 499 Capstone: Strategic Management
- BUBA 495 Internship

*B. Graduate Level:*

- BMBA 523 Business Strategy and Innovation Management
- BMBA 570 Technology Management and Marketing
- BMBA 577 Project Management
- BMMR 577 Project Management
- BMBA 595 Internship

**Intellectual Contributions**

*Refereed Articles (5 Year)*

- CS Lee, L Chan, DE McNabb, R Khalifa (2019). Exploring the Role of Strategic Orientation in Business Innovation, Journal of Competitiveness Studies. Vol. 27 Issue (2), pp.90-100
- Stephenson N, Shane E, Chase J, Rowland J, Ries D, Justice N, Zhang J, Chan L, Cao R (2019) Survey of Machine Learning Techniques in Drug Discovery. Current drug metabolism. Vol. 20 Issue (3), pp.185-193
- Chan, L., & Daim, T. (2018). A research and development decision model for pharmaceutical industry. R&D Management, Vol. 48 (2), 223 - 242.
- Cao, R., Freitas, C., Chan, L., Sun, M., Jiang, H., & Chen, Z. (2017). ProLanGO: Protein Function Prediction Using Neural Machine Translation Based on a Recurrent Neural Network. Molecules , vol 22 (10), 1732

### *Book*

- TU Daim, L Chan, J Estep. (2018) Infrastructure and Technology Management. Springer, New York. ISBN-13: 978-3319689869, ISBN-10: 331968986X

### *Peer Reviewed Conference Proceedings*

- L Chan, I Morgan, H Simon, F Alshabanat, D Ober, J Gentry, D Min, R Cao, Survey of AI in Cybersecurity for Information Technology Management. 2019 IEEE Technology & Engineering Management Conference (TEMSCON)
- M Staples, L Chan, D Si, K Johnson, C Whyte, R Cao, Artificial Intelligence for Bioinformatics: Applications in Protein Folding Prediction. 2019 IEEE Technology & Engineering Management Conference (TEMSCON)
- N Kosylo, J Smith, M Conover, L Chan, H Zhang, H Mei, R Cao. Artificial Intelligence on Job-Hopping Forecasting: AI on Job-Hopping. In 2018 Portland International Conference on Management of Engineering and Technology (IEEE).
- Y Shi, L Chan, R Cao, CS Lee Exploring the Co-evolution of Inter-Industry Technological Innovation: Case of 3D Printing. In 2018 Portland International Conference on Management of Engineering and Technology (IEEE).
- D Bradley, J Vegh, CS Lee, R Cao, L Chan. Assessment of Water Purification Technologies in Developing Countries. In 2018 Portland International Conference on Management of Engineering and Technology (IEEE).
- Lee, C.-S., Chan, L., & McNabb, D. E. (2017). The Role of Strategic Orientation in Business Innovation. In 2017 Portland International Conference on Management of Engineering and Technology (IEEE).

### **Grants and Awards (5 year, 2016-21)**

- Puget Sound Energy Grant (\$10,000) on Energy Efficiency and Conservation (2019)
- Benson-Starkovich Faculty Development Grant (Spring 2019)

### **Service (5-year period 2016-21)**

*Service to the Institution (Committees, bringing in resources to the institution, unpaid administrative work, running student programs are some of the examples):*

- PLU – Campus Life Committee, 2018 - 2019
- Associated Students of Pacific Lutheran University (ASPLU) – Faculty Representative, 2018-2019
- Student Life Award Committee – Faculty Representative, 2019
- Faculty Engagement and Impact Committee, School of Business. (2017-2019, Chair)
- Affiliated faculty, PLU Chinese Studies Program Committee (CSPC), 2016 - Present
- Graduate Program Committee, School of Business, 2016, 2020-Present
- Regents/President Scholarship Interview Evaluator, 2018
- Evaluator and Judge for Undergraduate Scholarships: Cory Carlson Undergraduate Scholarship, Cheney and Bob Carroll Undergraduate Scholarships, 2018
- Faculty Search Committee 2018

*Service to the Profession (editorial boards, reviews, conference organization, sitting on review bodies are some of the examples)*

- Engineering Management Journal (EMJ) – Associate Editor & Editorial Board
- IEEE Transactions on Engineering Management – Editorial Board
- International Journal of Innovation & Technology Management – Editorial Board
- Technology in Society (Journal) – Editorial Board
- IEEE International Symposium on Innovation and Entrepreneurship (TEMS-ISIE) – Track Chair
- Portland International Conference on Management of Engineering and Technology – Reviewer Board

*Service to the Community (Broad definition including voluntary work)*

- SnoValley Innovation Center Consulting Project, 2019
- Innovation Adoption Project for Puget Sound Energy (PSE), Seattle. Fall 2018 – Spring 2019
- Consulting project for nonprofit organization Crystal Judson Family Justice Center, 2018
- Consulting project for nonprofit organization Big Brothers Big Sisters of Olympia, 2018
- Consulting project for nonprofit organization Centerforce Lakewood, 2017
- Consulting project for Mount Rainier Lutheran High School, 2017
- Consulting project for local company, Everbright International, 2017

### **Professional Development**

- AACSB Committee - Developing the Management Curriculum for the Digital Era (MaCuDE), Committee Member, 2020-2021
- Harvard Business School Seminar, 2018
- AACSB Teaching Effectiveness Seminar, 2017
- South Sound Technology Conference 2017, University of Washington Tacoma

### **Honors/Awards**

- ACG Cup MBA Competition Pacific Northwest 2017, 1st Place in Washington State, 2nd Place in Pacific Northwest, Faculty Advisor