

PIETER A. VANDERWERF, Ph.D.

Boston College, Carroll School of Management
Fulton Hall 352A
140 Commonwealth Avenue
Chestnut Hill, MA 02467

pieter.vanderwerf@bc.edu

EDUCATION

9/79-7/84

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MA
Ph.D. in the Management of Technological Innovation and Economics
Advisor: Dr. Eric von Hippel
Thesis: Explaining the Occurrence of Supplier Innovation with the Economic Benefits Available from Innovation

9/73-6/77

DARTMOUTH COLLEGE HANOVER, NH
B.A. in Mathematics and Economics
Elected to Phi Beta Kappa in Junior Year

EXPERIENCE

6/11-present

BOSTON COLLEGE CARROLL SCHOOL OF MGT NEWTON, MA
Professor of the Practice. Teaching courses in predictive analytics and big data models. Developed full materials and syllabi for both an undergraduate elective covering these two subjects and an MBA core course covering similar material. Teach these courses personally and also supervise other instructors teaching them to my materials. Developed and deliver fully online versions of an introductory statistics course for MBA students, and for the abovementioned MBA core course in predictive analytics/big data. Developed all materials for, and teach, an elective in advanced machine learning.

9/98-2018

BUILDING WORKS, INC. CHESTNUT HILL, MA
President. Consulting to startup companies and corporate ventures in the construction products industry focused on new product innovation and growth. Support their R&D, innovation planning, new product design, market research, product strategy, and commercialization functions.

9/09-2012

NORTHEASTERN UNIVERSITY SCHOOL OF MGT BOSTON, MA
Adjunct Professor. Taught three semesters of introductory statistics courses. For the Fall of 2010, successfully served as co-instructor for a new on-line version of introductory statistics.

9/87-8/98

BOSTON UNIVERSITY SCHOOL OF MANAGEMENT BOSTON, MA
Assistant Professor. Designed and taught courses in general management, innovation, entrepreneurship, and strategy. Researched and wrote articles and books on quantitative methods, industry economics, and construction products.

7/84-2/87

NATIONAL ASSOCIATION OF HOME BUILDERS WASHINGTON, DC
Business Development Manager, NAHB Research Center. Evaluated new construction products and services and prepared business plans for successful entry of the organization into related ventures.

EXPERIENCE (cont.)

1/79-6/79

ORGANIZATION FOR APPLIED RESEARCH NETHERLANDS
Industry Analyst, Analyzed and projected the future of the microelectronics industry and wrote and taught course in computer simulation.

1/78-8/78

COUNCIL ON ENVIROMENTAL QUALITY WASHINGTON, DC
Analyst, Researched several industries and resource sectors for the Global 2000 Study. Evaluated government forecasting models used to make projections for all sectors. Wrote portions of the final reports.

REFEREED ARTICLES

“Meta-Analysis of the Impact of Research Methods on Findings of First-Mover Advantage,” with John F. Mahon, *Management Science* vol. 43(1997) no. 11, pp. 1510-1519.

“A Model of Venture Creation in New Industries,” *Entrepreneurship Theory and Practice*, vol. 17 (1993).

“A Comparison of Methods and Sources for Obtaining Estimates of New Venture Performance,” with Candida G. Brush, *Journal of Business Venturing*, no. 7 (1992) no. 2, pp. 157-170.

“Advancing Entrepreneurship Research with Precise Definition of the Unit of Analysis,” *Entrepreneurship Theory and Practice*, no. 7 (1991) no. 16.

“Explaining downstream innovation by commodity suppliers with expected innovation benefit,” *Research Policy*, vol. 21 (1992) no. 4, pp. 315-333.

“Product tying and innovation in U.S. wire preparation equipment,” *Research Policy*, vol. 19 (1990) no. 1, pp. 83-96.

“Advances in Cost-Effective Cement Reduction,” with Rodney W. Zubrod and Charles D. Welker, *Proceedings of the 2008 Concrete Technology Forum*, National Ready Mix Concrete Association, May 20-22, 2008, Denver CO.

“Precision Air Entrainment for High-Performance Concrete,” for Charles D. Welker and Douglas Watson, *Concrete InFocus* vol. 6 (2007) no. 2, pp. 58-62.

COURSES TAUGHT

Machine Learning for Business Analytics, Boston College, MBA and BA Programs (2021-on).

Data Analytics 1 (online), Boston College, MBA Program, (2020-on).

Managerial Statistics (online), Boston College, MBA Program (2018-on).

Data Analytics 1, Boston College, MBA Program, (2014-on).

Predictive Analytics, Boston College, BA program (2014-2020).

Modeling for Business Analytics, Boston College, BA program (2011-2019).

Design Thinking, Boston College, MBA Program (2011-2012).

COURSES TAUGHT (cont.) Product Design, Boston College, MBA Program (Spring 2011-2012).
Business Statistics. Northeastern Univ., undergraduate (2009-2010).
Management Policy. Boston University, MBA Program.
New Ventures. Boston University, BA and MBA Programs.
Introduction to Statistics. Massachusetts Institute of Technology. MSM Program (Teaching Assistant)
Technology Management. Massachusetts Institute of Technology. BSM Program (Teaching Assistant)
Introduction to Accounting. Massachusetts Institute of Technology. MSM Program (Teaching Assistant)

PATENTS *System for the construction of insulated concrete structures using vertical planks and tie rails* , U.S. Patent 6,698,710, March 2, 2004.
Method of forming a composite panel, U.S. Patent 6,688,073, February 10, 2004. (VanderWerf, et. al.)
Mortarless concrete block, U.S. Patent 6,189,282, February 20, 2001.
Termite shield for permeable sheathing, U.S. Patent 5,918,427, July 6, 1999.