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## **PROFESSIONAL EXPERIENCE**

### **Supply Chain Executive Leadership positions – MillerCoors Brewing Company,**

Golden, Colorado, February 2003 – present.

- Responsibility for warehousing, logistics, and yard management (2009-present).
- Responsibility to develop new market strategy for distribution network (2014- present).
- Expert in packaging material science, sustainability, and recycling (2014- present).
- Cost reduction of 35% over a three year period (2006-2009); 15-20% every year.
- Key leader for Coors Supply Chain Operations, representing company in MillerCoors merger with Department of Justice (2007-2008).
- Responsible for world's largest brewery logistics, achieving efficiency records (2006-2007).
- Responsible for all international and inbound freight for U.S. operations, with a total spend of over \$30mm (and \$30mm in capital) (2003-2006).

**Director of e-Business – Coors Brewing Company,** Golden, Colorado, October 2000-January 2003.

- Executive responsible for all electronic business and wireless initiatives, enterprise-wide (B2C, B2B, B2E).
- Created and implemented first enterprise e-business strategy for \$2.5 billion, 128-year-old public company.
- Productivity/savings of over \$2 million in first two years for e-Business department.
- "E-Business Concept" won Coors Innovation Award, 2003.

**Director of e-Business – Royal Sun Alliance/Orion Auto,** Englewood, Colorado,

August 1998 – September 2000.

- Executive responsible for all electronic business initiatives at Orion Auto (\$800mm subsidiary), and involvement in enterprise level initiatives within UK-based insurer.
- International e-Business initiatives in both development (India) and strategy (primarily UK).
- Saved company an average of \$1mm - \$2mm a year through business process improvement, and technology initiatives.

**Consulting Manager – KPMG, LLP,** Chicago, Illinois, June 1997-August 1998.

- Met all utilization and realization goals for every month employed.
- Involved in the creation of the Customer Centric Management (CCM) product.
- Promoted from Senior Consultant to Consulting Manager in less than a year at the firm.
- Responsible for business development, client management, engagement management, as well as billable hours. Successful in many worldwide sales initiatives.

**Controller (and various others) – United States Fidelity and Guaranty, Denver, Colorado/Baltimore, Maryland, September 1990 – May 1997.**

- As Controller of \$800mm operation, I was responsible for information technology, finance, accounting, real estate, administration, and a profit center within a six office regional operation (General Management role).
- Full P&L responsibility across the operation.
- Averaged 10% efficiency gains in \$800mm operation from 1995-1997.
- Was promoted six times in seven and a half years at company.

## **ACADEMIC EXPERIENCE**

**Professor of the Practice/Program Director – University of Denver, Denver, Colorado, 2018-present.**

- Responsible for developing a supply chain management and management consulting programs across the Daniel's College of Business and the Transportation Institute at University College.
- Professor responsible for Business to Business Marketing, Supply Chain, and Management Consulting courses.
- Building Supply Chain and Consulting communities (students, industry, research) across Denver Metro, U.S., and Worldwide.

**Researcher – University of Denver, Denver, Colorado, 2016- 2018.**

- Research proposals to develop the first 100% closed loop recycling system for plastic in Africa and Flint, Michigan (working with the NAACP)
- Unique trade secret for closed loop plastic bottle system in partnership with Universidad Iberoamericana (Mexico City, Mexico).
- Research partnership with National Renewable Energy Lab (NREL) in Golden, Colorado for Material Science/Supply Chain research.
- Other research projects; can be provided upon request.

**Post-Doctoral Fellow – Kungliga Tekniska Högskolan (Royal Institute of Technology), Stockholm, Sweden. 2011- 2015.**

- Supply chain sustainability/biotechnology research area in the Industrial Economics and Management (INDEK) division.
- Affiliation with universities in U.S., Europe and Asia for research collaboration.
- Research focus:
  - Supply chain fulfillment of 100% recyclable/renewable bio-polymers.
  - Disruptive innovation to reduce use of packaging in supply chain systems.
  - “Frictionless supply chain systems”; peer to peer supply chain system.

**Doctor of Philosophy – Luleå Tekniska Universitet, Luleå, Sweden. 2008- 2011.**

- Ph.D. in Industrial Marketing/Supply Chain, December, 2010. Thesis: “*Product Design and Supply Chain Fulfillment through a Generative Customization Solution to Achieve Discontinuous Innovation*” Complex Adaptive System/Genetic Algorithms and Generative Design product design process.
- Post-Doctoral Researcher in Industrial Marketing/Supply Chain Management, 2011.

**Adjunct Professor/Executive Mentor - Daniels School of Business, University of Denver,**  
Denver Colorado, 1998 – 2014.

- Adjunct Professor in Information Technology and Supply Chain, 1998-2001, 2017.
- Executive Mentor for M.B.A. Program, 2002 – 2017.

**Masters of Business Administration (MBA) – University of Baltimore,** Baltimore, Maryland, Fall 1988 – Spring 1991.

- Concentration of Finance and Taxation
- Tutor for Marketing, Finance, and Accounting students

**Bachelors of Science – Towson University,** Towson, Maryland, Fall 1983 – Spring 1987.

- Major of Psychology, concentration of Industrial/Organizational.
- President of two organizations within University; played on school athletic team.
- Paid for 75% of all tuition and related expenses.

## **PUBLICATIONS**

### **Researcher**

- Buffington, J.(2014). The Economic Potential of Brewer’s Spent Grain (BSG) as a Biomass Feedstock, *Advances in Chemical Engineering and Science*, 4.3, July . Downloaded at: <http://www.scirp.org/journal/ACES/>
- Track Chair, Material Science, Innovation and Supply Chain, DBM Conference, 5/15/14 – 5/16/14.
- Buffington, J. (2014). “A Supply Chain without Workers by 2034?”. *DBM Journal*, May.
- Buffington, J. (2014). "The Viability of a "Voluntary Refund-Deposit System" for Aluminum Can Recycling in the U.S". *Light Metals*. 2014: 913-918.
- 2014 TMS Conference Proceeding, Cast Shop Symposium. February.
- Dominic, C., Östlund, S., Masoud, M. M. and Buffington, J., (2014). “Towards Conceptual Green Packaging Development Model: A Corrugated Box Case Study”, *Packaging Technology and Science*.
- Buffington, J., and Peterson, R. (2013). Defining a Closed Loop U.S. Aluminum Can Supply Chain Through Technical Design and Supply Chain Innovation, . *Journal of Minerals, Metals, and Materials (JOM)*, August.
- *Second International Workshop on Aluminum Recycling*, Trondheim, Norway, June, 2013 (Topic Leader).
- Buffington, J. (2012). The Beverage Can in the United States: Achieving a 100% Recycled Aluminum Can through Supply Chain Innovation. *Journal of Minerals, Metals, and Materials (JOM)*, August.
- Buffington, J., Keskatürk, T., and Amini, M. (2011). Development of a Product Design and Supply Chain Fulfillment System for Discontinuous Innovation. Accepted at *International Journal of Production Research*.
- Buffington, J. and McCubbrey, D. (2011). The Use of Generative Customization as an Innovation Strategy in the U.S. Smartphone Market: A Case Study. *Communications of the Association for Information Systems*.
- Buffington, J. and McCubbrey, D. A (2011). Conceptual Framework for Generative Customization as a Solution for Product Innovation. *European Journal of Innovation Management*, Volume 14(3).

- Buffington, J. (2010) "Comparison of Mass Customization and Generative Customization in Mass Markets", *Industrial Management & Data Systems*, Vol. 111 Iss: 1
- Buffington, J. (2010). Designing 21<sup>st</sup> Century Supply Chains using Complex Adaptive Systems (CAS). *DBM Journal*, May, pp10-14.
- Buffington, J. and McCubbrey, D. (2004). Coors Brewing Company Point of Sale Application Suite: Winning Mindshare with Customers, Retailers, and Distributors. *Communications of the Association for Information Systems*, Volume 13, Article 7.
- **Peer Reviewer (various journals)**
  - Journal of Cleaner Production
  - International Journal of Production Research
  - Industrial Management and Data Systems (IMDS)
  - Communications of the Association for Information Systems.
  - Asian Journal of Agricultural Extension, Economics and Sociology.

### Author (Books/Articles)

- Buffington, J. (2018), *Peak Plastic: The Rise or Fall of our Synthetic World*.
  - #7 most outstanding academic title, <https://www.choice360.org/librarianship/oat-toc/top-10of2019>
- Buffington, J. (2016). *The Recycling Myth: Disruptive Innovation to Improve the Environment*. Santa Barbara, Praeger.
  - Keynote Speaker - Congreso Internacional De Sustentabilidad Ibero, Universidad Iberoamericana, Mexico City, 2016 (<http://www.cisibero.com/>)
- Buffington, J. (2015). *Frictionless markets: the 21<sup>st</sup> century supply chain*. Switzerland: Springer.
- Buffington, J. (2011). *Progress, Technology, and Seven Billion People: A Solution for Capitalism*. Found at: <http://www.amazon.com/Progress-Technology-Billion-People-ebook/dp/B005NLPVUU>
- Buffington, J. (2010). *What Do We Mean When We Assert That Our Economic Salvation is 'Innovation'?* Huffington Post, Found at: [http://www.huffingtonpost.com/jack-buffington/what-do-we-mean-when-we-a\\_b\\_621822.html](http://www.huffingtonpost.com/jack-buffington/what-do-we-mean-when-we-a_b_621822.html)
- Buffington, J. (2009). *The Death of Management: Restoring value to the U.S. economy*. Santa Barbara, Calif: Praeger.
  - 2009 *Choice* winner of "Outstanding Academic Titles",
  - <http://www.lib.uwo.ca/news/business/2009/12/23/outstandingacademictitles2009businessseconomics.html>
- Buffington, J. (2007). *An Easy Out: Corporate America's addiction to outsourcing*. Westport, Conn: Praeger  
<http://www.booktv.org/program.aspx?ProgramId=9277&SectionName=&PlayMedia=No>

### HONORS, APPOINTMENTS, and OTHER

- **Finalist** – *Imagine Chemistry (Research Innovation) Competition*
  - Held by AkzoNobel, a \$14 billion Dutch chemical manufacturer
  - <https://www.akzonobel.com/for-media/media-releases-and-features/akzonobel-announces-finalists-imagine-chemistry-start>
- **Award Winner** – *Energy Globe Award (Namibia)*, 2017

- **Columnist/Podcasts**
  - Columnist for Huffington Post, Japan Daily, Channel News Asia, Egyptian Streets, Waste Management World, Chemical Engineering, Management Issues, etc.
  - Podcast for Leadership and the Environment, Radio Ecoshock
  - Interviews on National/Colorado Public Radio
- **Fellow** – The Royal Society of the Arts, U.K., 2009-2012.
- **Languages**
  - *Russian –read, writes, and converse at an intermediate level.*
  - *Swedish – read and write at remedial level.*
  - *Mandarin Chinese – converse at remedial level (under study)*
- **Board Membership**
  - Executive and Education Committee – Distribution Business Management Association, U.S., 2005 – present.
  - Council of Supply Chain Management Professionals (CSCMP) – 2011 Planning Conference
  - Editorial Board, Advances in Management, India, 2009 – 2014.
  - University of Denver MBA/ITEC Program, U.S., 2004 - 2006.
  - Computer Magnet Program, Denver Public Schools, 2004 – 2008.
- **Guest Lecturer**
  - Colorado State University, Chemistry Department, 2016 – present.
  - Leeds School of Business, University of Colorado, 2009-2012.