



Moderator of Panel:

Jack Buffington

**Director of Supply Chain
& Sustainability**



**Program Director &
Professor of Supply Chain**



**THE BREWERS
OF EUROPE FORUM**

Past Roles & Credentials

PAST ROLES

- **Responsible for brewery logistics**, MillerCoors (MolsonCoors)
- **Post-Doctoral Researcher**, Royal Institute of Technology and Lulea Tekniska Universitet (Sweden)

BOOKS ON SUSTAINABILITY

- Buffington, J. (2018), *Peak Plastic: The Rise or Fall of our Synthetic World*.
- Buffington, J. (2016). *The Recycling Myth: Disruptive Innovation to Improve the Environment*. Santa Barbara, Praeger.

BOARDS/PROJECTS

- Ocean Plastic Leadership Council, Advisory Board (<https://opln.org/the-network/membership-advisory-board/>)
- PET Bottle Closed Loop System Project initiative (partnership with Universidad Iberoamericana, Mexico City)

PEER REVIEWED RESEARCH IN SUSTAINABILITY

- 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/>
- 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.



Why the Beer Industry is a Leader in Sustainability/Circularity

- **First recycling/sustainability champion** (Coors recyclable aluminum can program in 1959)
- **Innovator in use of aluminum and glass and reduction in use of plastic and corrugated**
- **Significant packaging innovations in Industry**
 - Repurposed plastic bottles made of more recyclable materials
 - Compostable, biodegradable carriers (to replace plastic rings)
- **Closed loop initiatives in EU**
 - World leader in multi-stakeholder collaboration to increase glass recycling rates to 90% by 2030
 - World leader in roadmap to 100% aluminum closed loop programme by 2030
- **Major Challenges to EU Initiatives/Innovations**
 - End to end supply chain viability (design, sourcing, manufacturing, distribution, recycling/reuse)
 - Extension of innovation viability across all EU and into Asia/North America for large MNCs

