Making Chemical and Mechanical Recycling More Productive using AI

Sustainability regulation and consumer demand are supercharging the move to recycled plastics. However, technical challenges such as adapting to variable feedstocks, controlling the color and transparency of the recycled material, and maintaining strength remain. AI is being used both in chemical and mechanical recycling to make them more productive by optimizing processes and understanding the additives needed to create a consistent product. This talk will show how AI is used to adapt to varying feedstocks and optimize solvent-based recycling.

- Discover how AI can be used to optimize processing parameters, catalysts and solvent blends to extract reusable monomers for a more cyclical plastics economy.
- Understand how plastics recyclers can use AI to understand which additives or fillers are needed to adapt to varying feedstocks.