

Plastic Waste Management and Recycling

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In recent years, the circular economy and sustainability using innovation have increasingly gained attention within academia, industry, and policymakers. Innovation, sustainability, and circular economy have become inextricably linked in plastic applications for the automotive industry. This presentation will cover new, practical materials innovations in both product- and process-related developments in the exterior, interior and powertrain space, focusing primarily on sustainability and cost reduction in response to current consumer trends and OEM targets for sustainable materials. A couple of highlights among the plastic innovations for sustainability created by industry leaders to improve recyclability are increased closed-loop recycling initiatives, reducing production resources, increasing material efficiency, bioplastics, and alternative materials.