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TMS2025
154th Annual Meeting & Exhibition



March 23–27, 2025
MGM Grand Las Vegas
Hotel & Casino
Las Vegas, Nevada, USA
#TMSAnnualMeeting



SUBMIT AN ABSTRACT FOR THE FOLLOWING TMS2025 SYMPOSIUM:

MATERIALS SYNTHESIS AND PROCESSING

REWAS 2025: Sustainable End-of-Life Management and Recycling Solutions for Batteries, Wind Turbines, and Photovoltaics



With the electrification of society in general, and mobility and industry sectors in particular, the volume of discarded batteries and energy materials are rising. The pathways towards the end-of-life management of clean energy technologies are essential for the more sustainable future. These encompass among others, design for R approaches, lifetime extension, and recycling solutions for current and future technology components. This symposium covers the key aspects and advancements in, including but not limited to: the recycling of lithium-ion batteries with a special focus on the recovery of lithium, aluminum and graphite; recycling approaches for alternative battery chemistries and types, recycling approaches for wind turbines (REE magnets, carbon fibers, ...) and photovoltaic systems (silicon, perovskite, ...), as well as systemic perspectives on end of life management and recycling, including metrics and value chain models.

ORGANIZERS

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SYMPOSIUM SPONSORS

TMS Extraction & Processing Division, TMS Recycling and Environmental Technologies Committee

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QUESTIONS?

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