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TMS 2025

154th Annual Meeting & Exhibition

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

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SUBMIT AN ABSTRACT FOR THE FOLLOWING TMS2025 SYMPOSIUM:

MATERIALS SYNTHESIS AND PROCESSING

REWAS 2025: Automation and Digitalization in Recycling Processes

REWAS 2025

Digitalization and automation are constantly changing the scene of material processing. In this symposium, particular emphasis is given to the role of modeling approaches in improving the recycling processes. Digital approaches can enhance process control, evaluate processing parameters and the quality of final products. More specifically, the role of process models and simulation tools for the optimization and development of metallurgical processing will be explored. Particular focus will be given to monitoring minor elements. Further, modeling approaches, such as machine learning algorithms, and thermodynamic, kinetic, and multiphase modeling tools for integrating secondary sources into the production lines, will be highlighted.

ORGANIZERS
Adamantia Lazou, National Technical University of Athens; **Mertol Gokelma,** Izmir Institute of Technology; **Christina Meskers,** SINTEF; **Elsa Olivetti,** Massachusetts Institute of Technology

SYMPOSIUM SPONSORS
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