Call for Papers

Industry 4.0 SCIENCE

Resource Efficiency 4.0

Resource efficiency is becoming a key success factor for Industry 4.0. Rising energy prices, material shortages, and regulatory pressure call for new, intelligent solutions across the entire value chain. How can digital technologies help make resource consumption transparent, optimize processes, and enable data-driven, sustainable decision-making?

For our issue on "Resource Efficiency 4.0," we are seeking contributions from both research and industry: ranging from AI-driven optimization to digital twins and the circular economy, all the way to innovative business models. The focus is on approaches that combine environmental and economic goals and create tangible added value for industry.

Keywords
resource efficiency | energy efficiency | material efficiency | digital twins | IIoT | smart metering | real-time monitoring | predictive maintenance | process optimization | data-driven decision making | circular economy | waste reduction | CO_2 reduction | sustainability | lifecycle assessment | energy management systems | resource transparency | industrial analytics | green manufacturing | eco-efficiency

Industry 4.0 Science (www.industry-science.com) Issue 1/2027 will be published online, as an ePaper and in print, in English and German.

If you are interested in publishing, we are pleased to receive your message, including a preliminary title, at editorial-office@industry-science.com. Manuscripts (approx. 16,000 characters and 3–5 illustrations) can be submitted in English or German. Submissions are subject to a peer review, an important factor in determining their publication.

Submissions are made via our platform at ojs.industry-science.com

Industry 4.0 Science, Issue 1/2027
Submission deadline **August 15, 2026**
Publication **February 11, 2027**

Editor of the Issue

Prof. Norbert Gronau
Chairman of the I4S Editorial Board
University of Potsdam

Cutting-Edge Research on 4IR and Smart Factory | *Powered by GITO*

GITO