

# Special Issue on Design and Manufacturing for Environmental Sustainability

**Editor:**

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Recent trends such as circular economy and responsible consumption and production have shown that it is increasingly crucial to include environmental sustainability in design and manufacturing.

In design, this includes ecodesign, life cycle design, scenario design, and design for X such as RRRDR (Remanufacturing, Refurbish, Repair, and Direct Reuse), maintenance, upgrading, recycling, disassembly, and inspection. In manufacturing, this includes sustainable manufacturing, reducing energy and/or resource consumption, and sustainable value chain management.

The aim of this special issue is to bring together the latest research and practical case studies on design and manufacturing for environmental sustainability, especially those that deal with a holistic view of technology, business, legislation, energy, resources, infrastructures, and customer behavior.

Papers ranging from theory to applications and case studies are welcomed. Topics of interest in this special issue include but are not limited to:

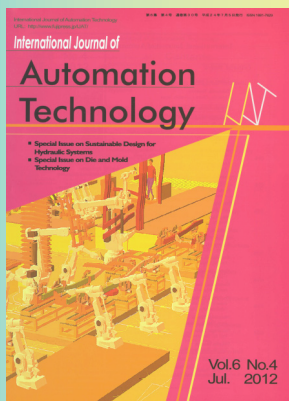
- \* design for sustainability including ecodesign, life cycle design, scenario design, product service system design, and design for X
- \* manufacturing aspects of sustainability including sustainable manufacturing, reducing energy and/or resource consumption, digital transformation in manufacturing, and sustainable value chain management
- \* business and social aspects of sustainability, including SDGs, circular economy, CE business, ecobusiness planning, product service system business, sharing business, sustainable consumption and production, and environmental legislation
- \* planning and design of sustainable infrastructure systems including “smart” cities, green buildings, green ICT, smart grids, and sensor-networks for environmental monitoring
- \* scenario planning and/or analysis for sustainability
- \* energy management and new energy technologies

**Special announcement for EcoDesign 2019 speakers:** We cannot accept manuscripts that appear in the Springer E-book as is. However, we can accept manuscripts that appear only in the Proceedings of EcoDesign 2019.

\*Speedy Review (1-2months for the first review)

\*IJAT is indexed in ESCI; Scopus; Compendex (Ei-Index)

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英文投稿の場合は採録後に無料で英文校閲を行います。



## Pages and important deadlines:

Number of pages: 8 pages (but no limit) / 8,000 words  
Manuscripts should be in IJAT formats of Microsoft Word, TeX.

Submission Deadline: **March 28, 2020**

Publication: November 5, 2020 (Vol.14 No.6)

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\*Paper is to be evaluated by two reviewers, then submitted to the IJAT Editing Committee for final selection. Reviews take about three weeks from paper receipt until notification of first review results.

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