

# Design and Manufacturing for Environmental Sustainability

Editor: **Prof. Yasushi Umeda**, The University of Tokyo, Japan  
for the ***International Journal of Automation Technology***

**E**nvironmental sustainability's wide acceptance as vital to industry encourages theoretical and practical development in design and manufacturing.

**I**n design, this includes ecodesign, life cycle design, scenario design, and design for X such as recycling, disassembly, maintenance, inspection, remanufacturing, and upgrading. In manufacturing, this includes sustainable manufacturing, energy and/or resource saving and sustainable value chain management.

**T**he main aim of this special issue is to bring together the latest research results and practical case studies in design and manufacturing for environmental sustainability, especially touching upon a holistic view of technology, business, legislation, energy, resources, infrastructures, and customer behavior.

**P**apers 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, and design for X
- \* manufacturing aspects for sustainability including sustainable manufacturing, energy and/or resource saving, and sustainable value chain management
- \* business and social aspects of sustainability, including SDGs, ecobusiness planning, sustainable consumption and production, and environmental legislation
- \* planning and design of sustainable infrastructure systems including "smart" cities, green buildings, green ICT, energy saving data centers, 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 2017 speakers: We cannot accept the manuscripts that appear in the Springer E-book as it is, but we can accept the manuscripts that appear only in the proceedings of EcoDesign 2017.**

\*Speedy Review (1-2months for the first review)  
\*You can submit a paper in Japanese (will be translated)  
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## 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: **April 30, 2018 (extended)**  
Publication: **November 5, 2018 (Vol.12 No.6)**

**Submit your papers to:** [online submission site]

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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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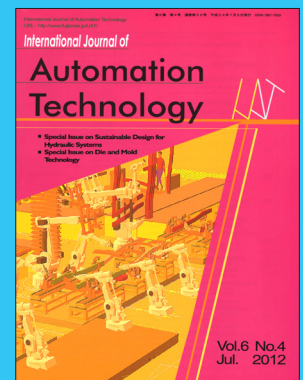
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