

Call for Papers

Special Section on Topologies, Modelling, Design, Control and System Integration for Linear Machines and Drives

With the ability to generate direct thrust without any mechanical transmissions, the linear machines serve as excellent choice for industrial applications requiring linear motions, such as linear metros, MAGLEVs, servo systems, wave-energy generators, conveyors, linear compressor, fast action solenoids, loudspeakers, microphones, *etc.* Due to the special characteristics of linear machines, e.g., the cut-open iron core, the large air-gap length, the end-effects, the half-filled slots, the unbalanced/asymmetric magnetic circuits, the vertical force, both academic and industry face great challenges in design method, control strategies, integration methodologies for high performance linear machines and drives.

This Special Section aims to collect the latest theoretical and technological ideas in the field of linear machines and drive systems. Advancements in the new linear machine topologies, mathematical modelling, design methodologies, high performance control strategies, multi-objective optimization techniques, and so on are of great interest. Manuscript with both theoretical and practical/experimental results are strongly welcome. Topics of interest include, but are not limited to:

- New topologies of linear machines,
- Mathematical modelling of linear machines,
- New materials and applications for linear machines,
- Integrated modelling for linear machines and drive systems,
- Advanced control strategies for linear machines and drive systems,
- Multi-objective optimization techniques for linear machines and drives,
- Other related topics.

Contact the deputy editor-in-chief if your manuscript is not within the listed topics, as papers within the general topic of electrical machines and systems are all welcome by the CES TEMS.

Brief guideline for authors:

Papers styles:

1. Review articles.
2. Original research.
3. Rapid communications.

All manuscripts must be submitted through Manuscript Central at <https://mc03.manuscriptcentral.com/tems>. Submissions must be clearly marked “**SS: Topologies, Modelling, Design, Control and System Integration for Linear Machines and Drives**” on the cover page. When uploading your paper, please select your manuscript type “Special Issue.” Refer to <http://www.cestems.org> for general information about electronic submission through Manuscript Central. Manuscripts submitted for the special issue will be reviewed separately and will be handled by the guest editorial board noted below.

About the journal

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The CES TEMS is an open-access journal, currently with no publication charge applied to the authors. Published papers will be included in the IEEE Xplore. Inclusion in other globally recognized data base such as the Web of Science (SCI) is under arrangement.

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