

IEEE Transactions on Industrial Electronics

CALL FOR PAPERS

“Modern Ballast Technology and Lighting Applications”

The Theme: Light is present in every human activity. Thus, a great part of the energy generated in the industrialized world is consumed by lighting fixtures. Indeed, electronic techniques and systems can be used in lighting applications to save energy and to reduce CO₂ emissions, therefore contributing to a sustainable development. In this context, this special section is devoted to the new developments in the field. Topics of interest include, but are not limited to the following:

- Electronic Ballasts for Fluorescent, HID and Electrodeless Lamps
- Power Converters for High-Brightness LEDs
- Power Converters for Plasma Display Panels
- Electronic Ballasts for Xenon Lamps in Automotive Applications
- Power Factor Correction in Electronic Ballasts and Lighting Systems
- Dimming in Electronic Ballasts and Lighting Systems
- Control and Protection of Electronic Ballasts and Lighting Systems
- EMI/EMC Issues in Electronic Ballasts and Lighting Systems
- Modeling of Lighting Loads and/or Electronic ballasts
- Energy-Saving and Quality Issues in Lighting Systems
- Digital Control Applied to Electronic Ballasts and Lighting Systems
- Distributed Control Applied to Lighting Systems
- Energy-saving and environmental-friendly issues in electronic ballasts
- Future Trend of Industrial Electronics in Lighting Applications

Manuscript Preparation and Submission

Follow the guidelines in “Information for Authors” in the IEEE Transaction on Industrial Electronics <http://tie.ieee-ies.org/tie/>
Please submit your manuscript in electronic form through Manuscript Central web site: <http://mc.manuscriptcentral.com/tie-ieee>. On the submitting page #1 in popup menu of manuscript type, select: SS on Modern Ballast Technology and Lighting Applications.

Timetable (Tentative)

| | |
|---|--|
| Deadline for manuscript submissions: | September 30th, 2010 |
| Information about manuscript acceptance: | January 31st, 2011 |
| Estimated publication date: | March, 2011 |

Guest Editors

J. Marcos Alonso, Electrical Eng. Dept., University of Oviedo, Spain, Tel: +34 985 182380, Fax: +34 985 182138, email: marcos@uniovi.es

Francisco Azcondo, TEISA. Dept., University of Cantabria, Spain, Tel: +34 942 201546, Fax: +34 942 201873, email: azcondof@unican.es

S. Y. (Ron) Hui, Electronic Eng. Dept., City University of Hong Kong, Tel.: (852) 2788 9853, Fax: (852) 2788 7791, email: eeronhui@cityu.edu.hk