

CALL FOR PAPERS

Special Session on Systems and devices for promoting energy efficiency in compressed air systems

to be held in the frame of
IECON 2013 - The 39th Annual Conference of the IEEE Industrial Electronics Society
10th -13th of November 2013, Austria Center, Vienna, Austria



TOPIC OF THE SPECIAL SESSION

The production of compressed air takes roughly 10% of electricity of the industrial sector in OECD countries [1]. The study and optimization of such kind of systems provide a broad field to experiment with interdisciplinary research, that may involve energy conversion systems, monitoring and controls, real time systems, Electrical Machines & Drives, Sensors, Actuators and, in general, issues on Systems Integration.

This session wants to collect researches that may be suitably addressed or customized to the optimization of such energy intensive systems.

References

[1] R. Saidur, N. Rahim, and M. Hasanuzzaman, "A review on compressed- air energy use and energy savings," Renewable and Sustainable Energy Reviews, vol. 14, no. 4, pp. 1135–1153, 2010

Topics of interest include, but are not limited to:

SPECIAL SESSION ORGANISATION

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Important Dates

Regular Paper submission:	April 01, 2013
Notification of acceptance:	June 15, 2013
Final submission:	August 01, 2013

The organizers look forward to welcoming you to Vienna, Austria from 10th to 13th November 2013.



- drives for energy efficient compressors, pumps and fans;
- smart sensors for compressed air networks;
- industrial networks,
- controlling algorithms for multicompressors,
- real time issues in fluid power systems
- factory automation,
- system optimization and industrial electronics for compressed air systems.

SUBMISSION OF PAPERS

The working language of the conference is English. Submit the full paper as PDF following the IEEE layout requirements by using the templates given at the conference web page. Accepted and presented papers will be published in an IEEE Proceedings volume and will be sent to IEEE Xplore. In addition, selected authors are encouraged to submit their papers for publication in the IEEE Transactions on Industrial Electronics or in the IEEE Transactions on Industrial Informatics.

THE CONFERENCE

IECON 2013 is the 39th Annual Conference of the IEEE Industrial Electronics Society, focusing on industrial and manufacturing theory and applications of electronics, controls, communications, instrumentation and computational intelligence. The objectives of the conference are to provide high quality research and professional interactions for the advancement of science, technology, and fellowship.

Papers with new research results are encouraged for submission. IECON 2013

will be held concurrently with the 7th IEEE International Conference on E-Learning in Industrial Electronics (ICE-LIE 2013). Participation in any of these events just requires a single conference registration fee. The world's industry, research, and academia are cordially invited to participate in the wealth of presentations, tutorials, special sessions and social activities, and furthermore, enjoy beautiful Vienna.