



**The XXIth International Conference on Electrical Machines
ICEM 2014
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Berlin - Germany**

Special Session on

Virtual Instruments in Electrical Machines and Drives Education

organized and co-chaired by:
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Call for Papers

Virtual Instruments (Vis) offer new possibilities for the electrical machines and drives students to visualize and understand facts and correlations that otherwise often require more or less difficult calculations to be performed beforehand. The recent trend on the introduction of Digital Acquisition (DAQ) systems (manipulated, accessed and controlled by means of VIs), either as new laboratory instruments or to substitute classic ones, opens a door to a new and very wide range of applications. The researcher is not necessarily the only recipient of the many advantages of these new applications but also, with a small additional effort, the Electrical Machines and Drives student can profit them.

Topics of interest include, but are not limited to:

- applications to magnetic materials properties: losses, magnetization curves, hysteresis loop.
- applications to transformers: no-load, short-circuit, load tests.
- applications to rotating electrical machines: rotating field, space vectors, electric and mechanic power.
- applications to remote electrical machines laboratories.
- wireless data transmission by wifi or Bluetooth in student focused labs.
- low cost DAQ and VI on Android

Provisional full paper submission deadline: 23 February 2014

(The deadline is the same as for regular papers – check the website for changes)

All the instructions for paper submission are included in the conference website:
<http://www.icem2014.de>