



**XXI<sup>st</sup> International Conference on Electrical Machines**  
**Berlin, Germany**  
**September 2-5, 2014**

**Special Session on**  
**ANALYTICAL MODELING OF ELECTROMAGNETIC DEVICES**

**Organized and co-chaired by**  
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**CALL FOR PAPERS**

The aim of this session will be to discuss recent developments concerning analytical modeling of short- and long-stroke actuators and electromagnetic devices in general, e.g. valves, planar / linear / spherical actuators, suspension, linear / rotary magnetic gear, couplings, dampers, magnetic separation, magnetic cooling, magnetic wheels, magnetic lifting, magnetic bearing, magnetic shielding etc. By (semi-)analytical models, it is meant models based on the formal solution of Maxwell's equations in uniform permeability regions.

Topics of interest include, but are not limited to:

- 2D and 3D analytical models
- Modeling of novel structures
- Coupling of analytical magnetic models, e.g. thermal, mechanical, etc
- Meshfree analytical techniques
- Time-dependency in analytical models

**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>