



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

Special Session on

THERMAL MANAGEMENT OF ELECTRICAL MACHINES

organized and co-chaired by:
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Call for Papers

Topics of interest include, but are not limited to:

- **Thermal contact resistance** and its impact on machine design,
- **Conjugate heat transfer** - combined solid and fluid domain modeling,
- **Novel cooling systems** (liquid, evaporative, multiphase etc.) for machines,
- **Thermal modeling** using lumped parameter and/or FEM (finite element method) approaches,
- **Fluid flow and heat transfer simulation** using CFD (computational fluid dynamics) approaches applied to electrical machines,
- **Experimental validation of thermal models**, using thermography, heat flux sensors etc.,
- **Heat transfer correlations and model reduction techniques** for machine thermal models,
- **Online temperature measurement and estimation** in machines – new approaches,
- The impact of thermal management on **machine degradation and failure**.

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>