

## Jahres- und Geschäftsbericht 2010

### Fachbereich Maschinenwesen

#### Vorträge

- Prof. Dr.-Ing. Kai Graf: Fluid Structure Interaction Simulation of Spinnakers – getting closer to reality. Proc. 2. Int. Conference on Innovations in High Performance Sailing Yachts. Lorient, France.
- Prof. Dr.-Ing. Kai Graf: Fluid Structure Interaction Simulation of Spinnakers – Towards Simulation Driven Sail Design. Proc. 21<sup>st</sup>. Int. HISWA Symposium on Yacht Design and Yacht Construction. Amsterdam, NL.
- Prof. Dr. Alois Schaffarczyk: Numerical Prediction of Airfoil Aerodynamics for Thick Profiles Applied to Wind Turbine Blade Roots. Proc. German Wind Energy Conference DEWEK2010. Bremen. 18.11.2010.
- Prof. Dr. Alois Schaffarczyk: Full 3D Computations of a Rotating Blade Using Unstructured Grids. 3rd IEA Wind Annex 29 (MexNext) Meeting. Forth, Heraklion, Crete, Greece. 02.07.2010.
- Prof. Dr. Alois Schaffarczyk: Progress in subtask 4.2: Sensitivity of Results to Reynolds Number. 3rd IEA Wind Annex 29 (MexNext) Meeting. Forth, Heraklion, Crete, Greece. 02.07.2010.
- Prof. Dr. Alois Schaffarczyk: Advanced investigations of the properties of turbulence on wind turbine blades under on- and off-shore conditions. The 3rd Conference of Making Torque from Wind. Crete, Greece. 28.-30.06.2010.
- Prof. Dr. Alois Schaffarczyk: Performance and stability of a counter-rotating windmill using a planetary gearing: Measurement and Simulation. Proc EWEC 2010. Warsaw, Poland. 20.-24.04.2010.
- Prof. Dr. Tobias Specker: Internationalization of higher education: Theory and practical misfits – useful insights from the international business research. International Conference of Education, Research and Innovation 2010. Madrid, Spain. 15.11.-17.11.2010.

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### Veröffentlichungen

- Prof. Dr. Mohammed Es-Souni: „Synthesis of silver nano-fir-twigs and application to single molecules detection”. J. Mater. Chem. 2010. Vol 20, Issue 25, 5215-5219. (Mitautoren: S. Habouti, C-H. Solterbeck).
- Prof. Dr. Mohammed Es-Souni: „Multiferroic properties of  $\text{Bi}_{0.9}\text{Gd}_{0.1}\text{Fe}_{0.9}\text{Mn}_{0.1}\text{O}_3$  thin film”. Journal of Applied Physics. 2010. Vol 107, 024104. (Mitautoren: A. Lahmar, S. Habouti, C-H. Solterbeck, M. Dietze).
- Prof. Dr. Tobias Specker: “Internationalization of higher education: Theory and practical misfits – useful insights from the international business research”. ICERI. 2010.