

Jahres- und Geschäftsbericht 2013

Fachbereich Maschinenwesen

Vorträge

- Jeromin, A., Boesche, B., Jacobsen, H., Patz, R.: „Schwingungsmessung auf der Offshore-Forschungsplattform FINO3“, 5. VDI-Fachtagung Schwingungen an Windenergieanlagen 2014, Bremen, Germany, 11./12. Feb. 2014, In: VDI-Berichte 2220, Herausgeber: VDI Wissensforum GmbH, 2014
- Prof. Dr. Berend Bohlmann:
Schwingfestigkeit von Laser- und Laserhybrid-Schweißungen
STG-Sprechtage "Festigkeit, Konstruktion und Fertigung von Schiffen und meeres-technischen Bauwerken"; B. Bohlmann et al.
Schiffbautechnische Gesellschaft STG Hamburg, Februar 2013
- Fatigue strength of laser-welded thin plate ship structures based on nominal and structural hot-spot stress approach
Proc. of the Marstruct - 4th International Congress on Marine Structures
W. Fricke et al.
CRC Press
Espoo, Finland
- M. Es-Souni: „Template Synthesis of Nanomaterials for Energy and Sensing Application“.
NANOAPP Conference, 22.– 26. September 2013, Portorose, Slovenia.
- M. Es-Souni: „Versatile TiO₂-Ag-nanocomposites for biomedical and molecular detection applications“.
CST International Symposium 2013, Inorganic Functional Materials, 22. – 23. August 2013 an der NIHON Universität, Tokyo, Japan.
- M. Es-Souni:“Structure, Properties and some Applications of PMN-PT-Base Single Crystals“
12th International Conference on Condensed Matter and Statistical Physics (ICCMSP), 30. October - 01. November 2013, Errachidia, Marocco.
- M. Es-Souni: “Applications of PMN-PT bases single crystals for high-detectivity pyroelectric detectors“.
6th International Meeting on Materials for Electronic Applications (IMMEA 2013), 14.-17. November 2013, Sousse, Tunisia.
- Prof. Dr. Bernd Finkemeyer:„Die Robotik und ihre Bedienkonzepte“. Key Note auf der Fachtagung „Me and the Machine – Mobile Anwendungen für die Industrie entwickeln“ der Firma Macio GmbH am 17.04.2013 in Kiel

- C Boehm, K Graf, J Meyer, L Duggen, R Brehm: A Measurement System for Performance Monitoring on Small Sailing Dinghies, 21th Chesapeake Sailing Yacht Symp., Annapolis, 2013
- H Renzsch, K Graf: An experimental validation case for fluid-structure-interaction simulations of downwind sails, 21th Chesapeake Sailing Yacht Symp., Annapolis, 2013
- K Graf, S. Watin and A.v.Hoeve: COMPARISON OF FULL 3D-RANS SIMULATIONS WITH 2D-RANS / LIFTING LINE METHOD CALCULATIONS FOR THE FLOW ANALYSIS OF RIGID WINGS FOR HIGH PERFORMANCE MULTIHULLS, Proc. 3rd innovSail, Intl. Conference on Innovations in High Performance Sailing Yachts, Lorient/France
- C Boehm and K Graf: ADVANCEMENTS IN FREE SURFACE RANSE SIMULATIONS FOR SAILING YACHT APPLICATIONS, Proc. 3rd innovSail, Intl. Conference on Innovations in High Performance Sailing Yachts, Lorient/France

Fachbereich Maschinenwesen

Veröffentlichungen

- Jeromin, A., Boesche, B., Jacobsen, H., Patz, R.: „Schwingungsmessung auf der Offshore-Forschungsplattform FINO3“, 5. VDI-Fachtagung Schwingungen an Windenergieanlagen 2014, Bremen, Germany, 11./12. Feb. 2014, In: VDI-Berichte 2220, Herausgeber: VDI Wissensforum GmbH, 2014
- Prof. Dr. Berend Bohlmann:
 - W. Fricke et al.
Fatigue strength of laser-welded thin plate ship structures based on nominal and structural hot-spot stress approach; CRC Press Espoo, Finland, März 2013
 - Fatigue strength of laser and laser hybrid weld seams in ship construction
Poster for The Blue Research and Innovation Conference
B. Bohlmann et al
Copenhagen,
5.-6.12.2013
 - Fatigue strength of laser-welded thin plate ship structures based on nominal and structural hot-spot stress approach
Ship and Offshore Structures
W. Fricke et al.
Dec. 2013
 - Labor für Schiffsfestigkeit und maritime Industrie
Festschrift zum 110-jährigen Jubiläum der Schiffbauvereinigung Familie Strak (Alumni FH Kiel), Mai 2013
- F. Dar, K. Moonosawmy, M. Es-Souni: "Morphology and property control of NiO nanostructures for supercapacitor application".
Nanoscale Research Letter, 2013, 8, 363
- R. Minch, M. Es-Souni: "Nanostructured VO₂ thin films via cathodic deposition"
CrystEngComm, 2013, 15, 6645-6647
- M. Zannen, H. Khemakhem, A. Kabadou and M. Es-Souni: "Structural, Raman and electrical studies of 2at.% Dy-doped NBT".
Journal of Alloys and Compounds. 2013, 555, 56-61
- L. Luo, M. Dietze, C.-H. Solterbeck, H. Luo and M. Es-Souni: "Tuning the functional properties of PMN-PT single crystals via doping and thermoelectrical treatments". Journal of Applied Physics, 2011, 114, 224112 - 224120
- Geisler, R.: „Information Systems Management for Mechanical Engineers“, 5 CP Online Master Module (503 p.), OnCampus Lübeck 2013
- Schaffarczyk, A.: Understanding Wind Power Technology: Theory, Deployment and Optimisation, John Wiley & Sons, Chichester, UK, May 2014

- Schaffarczyk, A.: Introduction to Wind Turbine Aerodynamics, Springer-Verlag GmbH, Berlin Heidelberg