

Bibliography

- (1) I. Pantle, C. Falquez Medina, and B. Pritz. Coupled Unsteady Fluid-Dynamics and Aero-Acoustics Simulations of a Realistic Car Mirror - A Comparison of Cloud and High Performance Computing. In *Proceedings 6th International Conference on High Performance Scientific Computing/HPSC, Hanoi, Vietnam, 2015*. Abstract: <http://hpsc.iwr.uni-heidelberg.de/HPSCHanoi2015/pdfshow.php?file=PantleI.pdf> - Paper accepted, book in print.
- (2) Iris Pantle. Softwarelizenzierung in Deutschland Analyse der Rechtslage gängiger Modelle als Lizenznehmer und Lizenzgeber im Zusammenwirken mit Cloud-Computing, Anwendung auf das eigene Unternehmen. Bachelorarbeit, Duale Hochschule Baden-Württemberg, Karlsruhe, Germany, 2014.
- (3) C. Falquez, I. Pantle, and B. Pritz. Numerische Simulation von Schwappen und Schwappgeräuschen bei generischen Fahrzeugtanks. In Birgit Kollmeier, editor, *Proceedings DAGA 2014, 40. Jahrestagung für Akustik, Oldenburg, Germany*. Deutsche Gesellschaft für Audiologie und Deutsche Gesellschaft für Akustik e.V., 2014.
- (4) I. Pantle and M. Gabi. Application of high performance computational fluid dynamics to nose flow. In H. G. Bock, H. X. Phu, R. Rannacher, and J. P. Schlöder, editors, *Modeling, Simulation and Optimization of Complex Processes*, pages 233–246. Springer, 2012.
- (5) Ph. Mattern, F. Fröhlig, I. Pantle, and M. Gabi. Experimentelle PIV-Messung eines umströmten Zylinders mit elastischer Struktur im Nachlauf. In *Fachtagung Lasermethoden in der Strömungsmesstechnik*, 2010.
- (6) I. Pantle. Entwicklung einer integrierten, numerischen Simulationsmethode für fluidgetriebene Strukturbewegung und Akustik. In *Konferenz Dynamiksimulation in der Fahrzeugentwicklung*, 2010.
- (7) G. Bárdossy, G. Halász, I. Pantle, and M. Gabi. Fluid-Structure-Interaction: A Hybrid CFD-FEM Approach for Multiple Engineering and Biomedical Applications with Special Focus on Venous Blood Flows. In *Conference on Modelling Fluid Flow (CMFF'09), Budapest, Hungary*, page 144 ff., 2009.
- (8) I. Pantle, G. Bárdossy, and M. Gabi. A Hybrid Approach for Investigating Fluid-Structure Interactions Combining Classical CFD with FEM Methods. In *9th International Symposium on Experimental and Computational Aerothermodynamics of Internal Flows/9th ISAIF, Gyeongju, Korea, 2009*.
- (9) I. Pantle, E.-J. Haberland, S. Knipping, M. Knoergen, K Stock, and K. Neumann. Applying Computational Fluid Dynamics Methods on Nasal Flow Investigations Based on a Real Domain Generated from CT Data. In *IFMBE Proceedings, World Congress on Medical Physics and Biomedical Engineering, Munich, Germany*, volume 25/IV, page 797 ff., 2009. <http://www.springerlink.com/content/kww7027h3560g927>.

- (10) I. Pantle and M. Gabi. Application of High Performance Computational Fluid Dynamics to Biomedical Flow Investigations. In *4th International Conference on High Performance Scientific Computing/HPSC, Hanoi, Vietnam, 2009*. <http://hpsc.iwr.uni-heidelberg.de/HPSCHanoi2009/pdfshow.php?file=Pantle.pdf>.
- (11) I. Pantle and M. Gabi. Discussion of CAA Calculation Methods for Internal Flows. In *The 2008 Congress and Exposition on Noise Control Engineering (INTERNOISE), Shanghai, China, 2008*.
- (12) I. Pantle, G. Bárdossy, and M. Gabi. Numerischer Ansatz zur Simulation von Strukturschwingungen induziert durch Fluidschwingungen. In *Deutsche Jahrestagung für Akustik (DAGA08), Dresden, Germany, 2008*.
- (13) E. J. Haberland, I. Pantle, S. Knipping, M. Knoergen, K. Stock, and K. Neumann. Anwendung von Large-Eddy-Simulation auf die Luftströmung in einem aus CT-Daten generierten nasalen Strömungsraum. In *79. Jahrestagung der Deutschen Gesellschaft für Hals-Nasen-Ohren-Heilkunde, Kopf- und Halschirurgie, Bonn, Germany, 2008*. <http://www.egms.de/en/meetings/hnod2008/08hnod573.shtml>.
- (14) E. J. Haberland, I. Pantle, S. Knipping, M. Knoergen, K. Stock, and K. Neumann. Computersimulation der Wirbelbildung bei der Durchströmung des oberen Nasenganges in Hinblick auf die Riechfunktion. In *Workshop der Arbeitsgemeinschaft Olfaktologie/Gustologie der Dt. HNO-Gesellschaft, Berlin, Germany, 2007*.
- (15) I. Pantle. Computersimulation der Nasenströmung auf der Grundlage von CT-Daten. *Invited Lecture/Eingeladener Vortrag: Fortbildungs-Symposium Allergische und idiopathische Rhinitis, Univ.-HNO-Klinik Halle, 2007*. <http://www.medizin.uni-halle.de/index.php?id=363&ort=\&cn=\&kategorie=\&akt=200710>.
- (16) I. Pantle, G. Bárdossy, and M. Gabi. Numerical approaches for flow induced structure vibrations aiming for medical applications. In *The 2007 Congress and Exposition on Noise Control Engineering (INTERNOISE), Istanbul, Turkey, 2007*.
- (17) I. Pantle, U. Serra, and M. Gabi. Flow and Acoustic Calculations in a Human Nose. In *8th International Symposium on Experimental and Computational Aerothermodynamics of Internal Flows (ISAI8), Lyon, France, 2007*.
- (18) I. Pantle. *Invited contribution: Discussion of Numerical Noise Prediction Methods Applied to Fluid Machinery*. In *Deutsche Jahrestagung für Akustik (DAGA07), Stuttgart, Germany, 2007*.
- (19) I. Pantle and M. Gabi. CAA Calculations of Aero- and Hydrodynamically Induced Noise. In *Deutsche Jahrestagung für Akustik (DAGA07), Stuttgart, Germany, 2007*.
- (20) I. Pantle, F. Magagnato, and M. Gabi. Numerical Hydro-Acoustics for Interior Flows Using CAA Approaches. *Acta Acustica United with Acustica*, 92, Suppl. 1:42, 2006.
- (21) I. Pantle, F. Magagnato, and M. Gabi. Numerical Hydro-Acoustics for Interior Flows Using CAA Approaches. In *Euronoise 2006*, 2006.
- (22) I. Pantle and M. Gabi. Numerical Prediction Methods of Noise Propagation in Fans - Latest Developments. *VDI Berichte*, 1922, 2006.
- (23) I. Pantle, F. Magagnato, and M. Gabi. Hydro-Acoustic Flow Computations based on Computational Aero-Acoustics (CAA) Methods. In *The 2005 Congress and Exposition on Noise Control Engineering (INTERNOISE), Rio de Janeiro, Brazil, 2005*.

- (24) I. Pantle, F. Magagnato, and M. Gabi. Approach for Hydro-Acoustic Computations of Channel Flows. AIAA-paper 2005-2923, AIAA, 2005.
- (25) *Contribution in:* J. A. Fitzpatrick. Aeroacoustics Research in Europe: The CEAS-ASC Report on 2004 Highlights. In *Journal of Sound and Vibration*. 2005.
- (26) I. Pantle, F. Magagnato, and M. Gabi. Noise Prediction in Fluid Machinery. *International Journal of Thermal and Fluid Science*, 14(3):230–235, 248, 2005.
- (27) *Contribution in:* W. Schröder. Aeroacoustics Research in Europe: The CEAS-ASC Report on 2003 Highlights. In *Journal of Sound and Vibration*, volume 278, pages 1–19. 2004.
- (28) I. Pantle. Sound Prediction of Fluid Machinery based on LES. *Invited Lecture/Eingeladener Vortrag: Doktoranden-Kolloquium DFG Forschergruppe 486, DLR Berlin*, 2004.
- (29) I. Pantle, E. Sorgüven, F. Magagnato, and M. Gabi. Numerical Sound Prediction of Open Rotors: Methods, Results and Perspectives. In *Joint Congress: 7. Congrès Français d'Acoustique/30. Deutsche Jahrestagung für Akustik (CFA/DAGA04), Strasbourg, France*, 2004.
- (30) I. Pantle, E. Sorgüven, F. Magagnato, and M. Gabi. Numerical Noise Prediction Methods for Pumps. In *Preprints Pump/Compressor Users International Forum 2004, Karlsruhe, Germany*, 2004.
- (31) F. Magagnato, I. Pantle, and M. Gabi. Prediction of Aero-Acoustic Noise around a Circular Cylinder by Large Eddy Simulation. In *5th European Conference on Turbomachinery, Fluid Dynamics and Thermodynamics, Prague, Czech Republic*, 2003.
- (32) I. Pantle. *Strömungsakustik auf der Basis akustischer Analogie mit LES und URANS*. PhD thesis, Fakultät für Maschinenbau, Universität Karlsruhe, 2002.
- (33) *Contribution in:* M. J. Fisher and R. H. Self. Aeroacoustics Research in Europe: The CEAS-ASC Report on 2001 Highlights. In *Journal of Sound and Vibration*, volume 258(1), pages 1–30. 2002.
- (34) I. Pantle, F. Magagnato, and M. Gabi. Numerical Aeroacoustics Using a Combined CFD-/Ffowcs Williams-Hawkings Method. In *9th International Symposium on Transport Phenomena and Dynamics of Rotating Machinery/ISROMAC-9, Honolulu, USA*, 2002.
- (35) F. Magagnato, I. Pantle, and M. Gabi. Prediction of Aero-Acoustic Noise around a Circular Cylinder by Large Eddy Simulation. In T. Hüttl, C. Wagner, and J. Delfs, editors, *LES for Acoustics, DGLR-Report 2002-03*, pages 35–46, 2002.
- (36) I. Pantle, F. Magagnato, and M. Gabi. Aeroacoustical Computations of Unsteady Flows around a Circular Cylinder. In *ICFDP7/7th International Congress on Fluid Dynamics and Propulsion, Cairo/Sharm el Sheikh, Egypt*, 2001.
- (37) I. Pantle, F. Magagnato, and M. Gabi. Geräuschverhalten von Strömungsmaschinen: Verfahrensentwicklung auf CFD Basis. *VDI Berichte*, 1591, 2001.
- (38) I. Pantle. Gasdiffusion und - Konvektion in Böden: Optimierung des experimentellen Aufbaus. Diplomarbeit, Institut für Bodenkunde, Universität Bayreuth, 1997.

Annotation:

Several publications and interviews on the activities of *Falquez, Pantle und Pritz GbR* as well as on the **NUBERISIM simulation platform** can be found online at <http://www.nuberisim.de/news.html>.