Publications in this list are grouped according to

- Peer-reviewed Journal Papers
- Books, Book Chapters, etc.
- Published Lecture Notes
- (Reviewed) Proceedings Papers etc.

Peer-reviewed Journal Papers

Submitted papers:


Accepted / published papers:


• Schoeder S.M., Kronbichler M., Wall W.A.: Photoacoustic Image Reconstruction: Material


• Roth C., Ehrl A., Becher T., Frerichs I., Schittny J., Weiler N., Wall W.A.: Correlation between


Shahmiri S., Gerstenberger A., Wall W.A.: An XFEM-based embedding mesh technique for


• Wiechert L., Metzke R., Wall W.A.: Modeling the mechanical behaviour of lung tissue at the


Books, Book Chapters, etc.

*Books (authored) and major book chapters (incomplete):*


*... best selling technical textbook series in German language (all disciplines/publishers)*
Books (edited), special journal issues and book chapters (incomplete):


Proceedings edited (incomplete):

• Wall, W.A., Ortiz, M., Gee, M.W., Klug, W.S., Schwaiger, M., Bertoglio, C. (eds.): 1st International Workshop on Latest Advances in Cardiac Modeling, Program/Book of Abstracts, Institut for Computational Mechanics / TUM, July 2013, Garching/Munich, Germany

• Wall W.A., (eds.): Energy Challenges – Germany 2050, 2nd Colloquium of the Munich School of Engineering, MSE / TUM, Garching 2012, Germany


• Adams N.A., Wall W.A. (eds.): Euromech Fluid Mechanics Conference 8, EFMC-8, Program/Book of Abstracts, Institute of Aerodynamics & Institute for Computational Mechanics / TUM, September 2010, Bad Reichenhall, Germany

• Wall W.A., Gravemeier V., Hörmann M. (eds): 2nd GACM Colloquium on Computational Mechanics for Young Scientists from Academia and Industry, Program/Book of Abstracts, Institute for Computational Mechanics / TUM, October 2007, Munich, Germany


Published Lecture Notes

• Technische Mechanik I. 8. Auflage, 2018
• Technische Mechanik II. 8. Auflage, 2019
• Technische Mechanik III. 7. Auflage, 2017
• Numerische Methoden für Ingenieure, 14. Auflage, 2018
• Finite Elemente. 13. Auflage, 2018
• Nichtlineare Kontinuumsmechanik. 12. Auflage, 2018
• Biomechanik – Grundlagen und Modellbildung. 8. Auflage, 2019

(Reviewed) Proceedings Papers etc. (incomplete)

• Rasthofer U., Wall W.A., Gravemeier V.: Eine variationelle Mehrskalenmethode mit multifraktaler Subskalenmodellierung zur Grobstruktursimulation turbulenter Strömungen mit
passivem und aktivem Skalartransport. Proceedings 16. STAB Workshop, Goettingen, Germany, November 2013


- Popp A., Wall W.A.: Computational contact dynamics including multiphysics and multiscale effects. Papadrakakis M et al. (eds.), *Proceedings ECCOMS Thematic Conf. on Computational Methods in Structural Dynamics & Earthquake Engineering (COMPDYN 2011)*, Corfu, Greece, Mai 2011, CD-ROM: pdf 282
- Gee M.W., Wall W.A., Maier A., Reeps C., Essler M.: Correlation of biomechanics to tissue reaction in aortic aneurysms assessed by FEM and FDG-PET-CT. Nithiarasu P. et al. (eds.),


- Klöppel Th., Wall W.A.: A finite element approach for static and dynamic simulations of human red blood cells. Nithiarasu P., Löhner R. (eds.), Proceedings 1st Int. Conf. on Mathematical and Computational Biomedical Engineering (CMBE2009), Swansea, UK, June/July 2009, 332-335


• Küttler U., Wall W.A.: The dilemma of domain decomposition approaches for the interaction of structures and fully enclosed incompressible fluids. Proceedings 17th DD 17, Strobl, Austria, 2006


• Erhart T., Wall W.A., Ramm E.: A numerical model for simulation of dry powder compaction. Proceedings 21st CAD-FEM users meeting, Potsdam, Germany, Nov. 2003


