



***Selected Publications & Literature:***

**Professional Journals, Book Chapters, Conference Papers**

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The application of the simulation in transmission technology has been published in various technical papers. The papers in ENGLISH language are listed in this document. There are more papers and conference contributions published in the years 1981-1989 and many other papers in GERMAN language.

- [1] **Laschet, A.:**  
Simulation of vibrations in powertrains to minimize gear-rattling  
IMechE Paper No. C382/089, pp. 139-146. Strasbourg 1989
- [2] **Laschet A.; Engelmann, P.:**  
System identification using computer simulation methods  
SIA Paper No. 91037, pp. 188-194, Strasbourg 1991
- [3] **Laschet, A.:**  
Computer simulation of vibration in rotating machinery  
Machine Vibration (1992) 1, pp. 42-51. London: Springer-Verlag London Ltd. 1992
- [4] **Laschet, A.:**  
Computer simulation of vibrations in vehicle powertrains considering nonlinear effects  
in clutches and manual transmissions. SAE Paper No. 941011, Detroit 1994
- [5] **Fan, J.; Hierlwimmer, P.; Laschet, A.:**  
Investigation of Gear Rattle Sensitivity on Manual Transmissions in the Target Setting Process  
ATZ Automobiltechnische Zeitschrift 99 (1997) 5, pp. 9-11 (Appendix)
- [6] **Laschet, A.; Weiss, R.:**  
The coupling as system element for the optimum drive system configuration  
5<sup>th</sup> IFToMM Rotordynamic Conference, Darmstadt 1998
- [7] **Laschet, A.; Obeid, V.:**  
Computer Simulation Identifies Gearbox Vibration  
Diesel & Gas Turbine Worldwide, July-August 2000, p. 52
- [8] **Dittrich, W.; van den Heuvel, B.; Laschet, A.:**  
Tooth Flank Damages in Conveyor Gears  
Bulk Solids Handling, Vol. 24 (2004) No. 1, pp. 38-42
- [9] **Laschet, A.:**  
Analysis of Torsional Vibrations in Reciprocating Compressors driven by Electric Motors and Gas Engines  
4<sup>th</sup> EFRC Conference, Antwerp (Belgium) 2005
- [10] **Laschet, A.; Matzkeit, M.:**  
Optimisation of Reciprocating Compressor Plants by using Flexible Couplings  
supported by Advanced Engineering Methods  
5<sup>th</sup> EFRC Conference, Prague (Czech Republic) 2007
- [11] **Laschet, A.; Küçükay, F.:**  
Driveline (Chapter 23); from: G. Mastinu, M. Ploechl: Road and Off-Road Vehicle System Dynamics Handbook,  
pp. 797-834. Taylor and Francis / CRC Press 2014 (ISBN 978-0-8493-3322-4 / Hardback)  
or: Taylor and Francis 2017 (ISBN 978-1-1380-7529-0 / Paperback)
- [12] **Laschet, A.; van den Heuvel, B.:**  
Gear Problems Solved by the Analysis of Torsional Vibrations  
1<sup>st</sup> Torsional Vibration Symposium, Salzburg (Austria) 2014