

# Curriculum Vitae

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## Professional Career

- Academic studies of Mechanical Engineering at the RWTH Aachen
- 1984 - 1991 : scientific assistant at the Department of Mechanism Theory and Dynamics of Machines, RWTH Aachen, 1989: Graduation
- 1991 - 1993: R & D engineer, Emhart Glass Deutschland GmbH, Neuss
- 1991 - 2000: Lectureship, RWTH Aachen
- 1993 - 2000: Project leader at Emhart Glass SA in Cham, Swiss
- Since 2000 Chairman of the Department of Mechanism Theory and Dynamics of Machines, RWTH Aachen

## Membership

- Leader scientific advisory board „VDI-Gesellschaft Produkt- und Prozessgestaltung VDI-GPP“
- Leader scientific advisory board of Springer Books „VDI-Fachbuch“
- Member of Executive Council of IFToMM
- Member of VDI-consulting committee "Getriebetechnik"

## Books

- Corves, B.; Hüsing, M.; Detert, T.; Kurtenbach, S.; u.a.; (2017): Cognition-Enhanced, Self-optimizing Assembly Systems, In: Integrative Production Technology, Springer International Publishing AG.
- Brecher, Ch.; Corves, B.; Schmitt, R.; Özdemir, D.; Bertelsmeier, F.; Detert, T.; Herfs, W.; Lohse, W.; Müller, S.; (2015): Kybernetische Ansätze in der Produktionstechnik In: Exploring Cybernetics, Kybernetik im interdisziplinären Diskurs, Springer, 2015
- Kerle, H.; Corves, B.; Hüsing, M.; (2015): Getriebetechnik. Grundlagen, Entwicklung und Anwendung ungleichmäßig übersetzender Getriebe. 5. Edition. Berlin, Heidelberg: Springer.
- Corves, B.: Kurt Rauh (1897 - 1952); (2014) In: M. Ceccarelli (ed.), Distinguished Figures in Mechanism and Machine Science, History of Mechanism and Machine Science 26. - Dordrecht: Springer Science+Business Media.
- Corves, B., J.;; „Getriebetechnik“ in Karl-Heinrich Grote, Jörg Feldhusen (Hg.) (2014): Dubbel. 24. Edition. Berlin, Heidelberg: Springer.
- Mannheim, T.; Riedel, M.; Hüsing, M.; Corves, B.; (2013): A New Way of Grasping: PARAGRIP—The Fusion of Gripper and Robot. In: Grasping in Robotics, Series: Mechanisms and Machine Science, Vol. 10, Carbone, Giuseppe (Ed.). Dordrecht: Springer Science+Business Media.
- Corves, B.; Brix, T.; Döring, U.; (2011): ThinkMOTION: Digital Mechanism and Gear Library Goes Europeana. In: Technology Developments: the Role of Mechanism and Machine Science and IFToMM, Mechanisms and Machine Science Vol. 1. Springer Science+Business Media.

## Awards

VDI-Medal