Curriculum Vitae
Carsten Behn, PD Dr.-Ing. habil. Dipl.-Math.

Carsten Behn was born in Leer, Germany, on 13 September 1974.

He received
- his diploma degree in Mathematics (Diplom-Mathematiker, Dipl.-Math.) in the scientific area "Calculus and System Theory" from Technische Universität Ilmenau (TU Ilmenau), Germany, in 2001,
- his Ph.D. degree in Mechanical Engineering (Doktor-Ingenieur, Dr.-Ing.) in the scientific area "Mechanics and Control Theory" from TU Ilmenau, Germany, in 2005, and
- his habilitation in Mechanical Engineering (Doktor-Ingenieur habilitatus, Dr.-Ing. habil.) with venia legendi in "Technical Mechanics" from TU Ilmenau, Germany, in 2013.

At present, he is a Privat-Dozent (PD Dr.-Ing. habil. Dipl.-Math.) in the Department of Mechanical Engineering (Technical Mechanics Group) at TU Ilmenau, whereas the grade indicates qualification to be appointed as a full professor.

Present responsibilities in research and education (academic stuff at TU lmenau):
- supervision of undergraduate, post-graduate and PhD students
- project „Technische, nicht-visuelle Charakterisierung von Substratkontakten nach dem biologischen Vorbild carpaler Vibrissen" (DFG Zi 540/16-1, supported by German Research Foundation, project based on results of my habilitation)
- lectures, seminars and practical courses in Technical Mechanics (Statics, Elastostatics, Kinematics, Dynamics), Theory of Vibration, Dynamics of Machines

Reviewer for Journals:
Acta Mechanica Sinica (Springer, since 2010), Robotics and Autonomous Systems (Elsevier, since 2011), Journal of Intelligent and Robotic Systems (Springer, since 2011), Mechanism and Machine Theory (Elsevier, since 2012), International Journal of Non-Linear Mechanics (Elsevier, since 2012), Nonlinear Dynamics (Springer, since 2012), International Journal of Applied Mechanics (World Scientific, since 2013), Bioinspiration & Biomimetics (IOP Publishing, since 2013), Mathematical Reviews (Division of AMS, since 2013), Journal of Mechanisms and Robotics (Journal of ASME, since 2013), Frontiers in Neurorobotics (since 2015)

Member of the International Scientific Program committees: ICINCO 2014, 2015, and 2016 / INTELLI 2015, 2016
Member of INSTICC – Institute For Systems and Technologies of Information, Control and Communication

His interests include adaptive and robust control of uncertain mechanical motion systems and mathematical modeling of biologically inspired mechanical systems.

He has published many articles and conference papers concerning the adaptive control and modeling of worm-like locomotion systems and vibrissae sensory systems.

He is a co-author of the textbook "Mechanics of Terrestrial Locomotion—With a Focus on non-pedal Motion Systems" (K. Zimmermann, I. Zeidis and C. Behn, Springer, 2009) and "Worm-Like Locomotion Systems - An Intermediate Theoretical Approach" (J. Steigenberger and C. Behn, Oldenbourg, Munich, 2012).