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Born on April 16, 1982 in Filderstadt (Germany)

Scientific Career

Since 2013	Post-doctoral researcher at the Human Movement Simulation Group, Department of Sport and Movement Science, University of Stuttgart.
2011	Fulbright visiting researcher, Robotics Institute, Carnegie Mellon University, Pittsburgh (PA), USA.
2009 - 2012	Research associate and PhD at the Human Movement Simulation Group, Department of Sport and Movement Science, University of Stuttgart.
2009	Research associate at the Locomotion Laboratory, Friedrich-Schiller University, Jena.
2007 - 2008	Study of Physics at the University of Calgary, Canada, also Research project at the Human Performance Lab, University of Calgary.
2003 - 2009	Study of Physics at Friedrich-Schiller University, Jena.

Scholarships, Awards and Faculty Functions

2011	Fulbright visiting researcher, Robotics Institute, Carnegie Mellon University, Pittsburgh (PA), USA (three months)
2009	International Society of Biomechanics (ISB) Student Award. Travel grant (USD 1000) for ISB conference 2009, Cape Town, South Africa.
2008	Travel grant (EURO 400) for Symposium Recent Advances in Neuro-Robotics - Sensorimotor Control 2008, Freiburg, Germany.
2006 - 2007	Trans-Atlantic Science Student Exchange Program (TASSEP) scholarship. One year student exchange at University of Calgary, Alberta, Canada.

Ten most important publications

* Publications jointly together with UoA-researchers involved within this IRTG

§ Publications jointly together with USTUTT-researchers involved within this IRTG

A) Published in publication outlets with scientific quality assurance and book publications:

1. Haeufle, D.F.B.; Worobets, J.; Wright, I.; Haeufle, J.; Stefanyshyn, D.: Golfers do not respond to changes in shaft mass properties in a mechanically predictable way, Sports Engineering, 15(4), p. 215-220, 2012.

2. § Schmitt, S.; Haeufle, D.F.B.; Blickhan, R.; Günther, M.: Nature as an engineer: one simple concept of a bio-inspired functional artificial muscle. Bioinspiration & Biomimetics, 7, 9 pages, 2012.
3. § Haeufle, D.F.B.; Günther, M.; Blickhan, R.; Schmitt, S.: Can Quick Release Experiments Reveal the Muscle Structure? A Bionic Approach. Journal of Bionic Engineering, 9(2), p. 211-223, 2012.
4. § Haeufle, D.F.B.; Günther, M.; Blickhan, R.; Schmitt, S.: Proof-of-concept: model based bionic muscle with hyperbolic force-velocity relation. Applied Bionics and Biomechanics, 9(3), p. 267-274, 2012.
5. Haeufle, D.F.B.; Grimmer, S.; Kalveram, K.T.; Seyfarth, A.: Integration of intrinsic muscle properties, feed-forward and feedback signals for generating and stabilizing hopping. Journal of the Royal Society Interface, 9(72), 1458-1469, 2012.
6. Kalveram, K.T.; Haeufle, D.F.B.; Seyfarth, A.; Grimmer, S.: Energy management that generates terrain following versus apex-preserving hopping in man and machine. Biological Cybernetics, 106(1), 13 pages, 2012.
7. Haeufle, D.F.B.; Grimmer, S.; Seyfarth, A.: The role of intrinsic muscle properties for stable hopping - stability is achieved by the force - velocity relation. Bioinspiration & Biomimetics, 5(1), 11 pages, 2010.
8. Haeufle, D.F.B.; Günther, M.; Bayer, A.; Schmitt, S.: Hill-Type Muscle Model with Serial Damping and Eccentric Force-Velocity Relation. Journal of Biomechanics 47(6), p. 1531-1536, 2014.
9. § Günther, M.; Röhrle, O.; Haeufle, D.F.B.; Schmitt S.: Spreading out muscle mass within a Hill-type model. Computational and Mathematical Methods in Medicine, 848630, 13 pages, 2012.
10. § Haeufle, D.F.B.; Günther, M.; Günther W.; Schmitt, S.: Quantifying Control Effort of Biological and Technical Movements: An Information-Entropy-Based Approach. Physical Review E, 89(1), 7 pages, 2014.

B) Other publications

C) Patents

Supervised graduate students since graduation year 2011

No.	Last Name, First Name	Degree	Title of the dissertation	Duration of thesis

Most important research grants since 2011

No.	Research Project	Funding Period	Name(s) of the principal investigator(s)	Funding source and reference number