



Ansgar Büschges, Dr. rer. nat.

Professor of Animal Physiology

University of Cologne

FELLOWSHIP
DaimlerChrysler-Fellow

FOCUS

PROJECT

Segmental and Intersegmental Mechanisms in the Control of Locomotor Programs

TUESDAY COLLOQUIUM, 18.12.2001

Neural Control of Locomotion: An Interplay between Rhythm Generators, Intrinsic Properties of Neurons, and Sensory Feedback

EVENING COLLOQUIUM

10.04.2002

Die Komplexität des Alltäglichen. Neurobiologie der Fortbewegung

Büschges, Ansgar (London,2020)

Studying the neural basis of animal walking in the stick insect

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=1800846843>

Büschges, Ansgar (Philadelphia, Pa,2015)

Insect motor control : methodological advances, descending control and inter-leg coordination on the move

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=1764079442>

Büschges, Ansgar (Philadelphia, Pa.,2012)

Lessons for circuit function from large insects: towards understanding the neural basis of motor flexibility

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=1726818322>

Büschges, Ansgar (Berlin, Heidelberg,2011)

Deriving neural network controllers from neuro-biological data : implementation of a single-leg stick insect controller

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=1726562506>

Büschges, Ansgar (2011)

New moves in motor control

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=776395017>

Büschges, Ansgar (Amsterdam [u.a.],2008)

Organizing network action for locomotion : insights from studying insect walking

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=1800863632>

Büschges, Ansgar (New York, NY [u.a.],2007)

Mechanosensory feedback in walking : from joint control to locomotor patterns

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=1800850042>

Büschges, Ansgar (Philadelphia, Pa.,2007)

Adaptive motor behavior in insects

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=1800848757>

Büschges, Ansgar (Bethesda, Md.,2007)

Intersegmental coordination : influence of a single walking leg on the neighboring segments in the stick insect walking system

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=1765624436>

Büschges, Ansgar (2006)

Sensory coupled action switching modules (SCASM) generate robust, adaptive stepping in legged robots

<https://kxp.k1oplus.de/DB=9.663/PPNSET?PPN=1011569272>