C U R R I C U L U M V I T A E

Prof. Dr. Heinrich H. Bülthoff
Director of the Department Human Perception, Cognition and Action
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Distinguished Professor of the Department of Brain and Cognitive Engineering
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Current Position:	Director of the Department Human Perception, Cognition and Action
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EDUCATION AND ACADEMIC DEGREES

1991	Brown University, Providence, USA, Gradum Artium Magisteri Ad Eundem Gradum Promotum, Cognitive Science, Prof. Peter Eimas
1987	Eberhard Karls University, Tübingen, Germany, Habilitation, Prof. D. Varju
1980	Eberhard Karls University, Tübingen, Germany, Phd in Biology, Prof. D. Varju and Prof. K. Götz
10/1970 - 05/1975	Study of Biology (Diploma), subjects: Zoology, Biochemistry, Physics, Genetics, System Theory, Chemistry, Prof. D. Varju und Prof. K. Götz Eberhard Karls University, Tübingen, Germany,

ACADEMIC CAREER

since 09/2009	Adjunct Professor, Department of Brain and Cognitive Engineering, University, Seoul, Korea, Chairman of the Department Prof. Seong-Whan Lee
since 06/1996	Honorary Professor, Faculty of Sciences, Biology Department, Eberhard Karls University, Tübingen, Germany
since 07/1993	Director, Department: Human Perception, Cognition and Action, Max Planck Institute for Biological Cybernetics, Tübingen, Germany
10/1992 - 06/1993	Full Professor, Department of Cognitive and Linguistic Sciences, Brown University, Providence, USA
06/1992 - 08/1992	Fesler-Lampert Visiting Professor of Artificial Intelligence and Cognitive Science, University of Minnesota, Minneapolis, USA
08/1991 - 09/1992	Associate Professor, research field: “Bayesian models of seeing shapes and depth”, Brown University, Providence, USA
08/1988 - 07/1991	Assistant Professor, research field: “Parallel optical flow computation on the connection machine”, Brown University, Providence, USA

10/1985 - 07/1988	Research Scientist, research field: "Shape-from-X, cue integration, psychophysics", Massachusetts Institute of Technology, Cambridge, USA, Prof. T. Poggio
06/1980 - 12/1985	Research Scientist, research field: "Behavioural genetics, electrophysiology, neuropharmacology in the visual system of the fly", Max Planck Institute for Biological Cybernetics, Tübingen, Germany, Prof. K. G. Götz

SCHOLARSHIPS, AWARDS AND ADMINISTRATIVE FUNCTIONS

since 2015	Member of the University Councel of the University Tübingen, Germany
since 2013	Member of the Editorial Boards of Perception and i-Perception
since 2011	Member of the "Zentrum für Adaptive Robotik", University Würzburg, Germany
since 2009	Member of the Board "Forum Scientiarum", University Tübingen, Germany
since 2009	Member of the Advisory Board "Zentrum für Kognitionswissenschaften", University Bremen, Germany
2001 - 2009	Member of ENACTIVE – European Research Network for Enactive Interaction and Interfaces, Europe
2002 - 2008	Member of the Advisory Board COGNIRON - The Cognitive Robot Companion, Europe
2008	Member of COSY Advisory Board, Cognitive Systems for Cognitive Assistants, Europe
since 2007	Member of the Board of the Werner Reichardt Centre for Integrative Neuroscience (CIN), Tübingen, Germany
since 2007	Member of High-level advisory group for FET (Future and Emerging Technologies, Europe
2006- 2011	Member of „Heinz-Billing-Stiftungsrat" der Max Planck Society, Europe
since 2006	Member of EU Cognition, European Research Network for Cognitive Computer Vision Systems, Europe
since 2006	Member of the Advisory Council of the Helmholtz Institute, Utrecht, Europe
since 2005	Member of the Board of Directors „Gesellschaft für wissenschaftliche Datenverarbeitung", Göttingen (GWDG), Germany
1992	Fessler-Lampert Visiting Professor of Artificial Intelligence and Cognitive Science, University of Minnesota, Minneapolis, USA

MEMBERSHIPS IN PROFESSIONAL ASSOCIATIONS

since 2008	American Helicopter Society (AHS)
since 2006	Aerospace Medical Association (AsMA)
since 2005	American Institute of Aeronautics and Astronautics (AIAA)
since 2004	Vision Sciences Society (VSS)
since 2003	Association for Computing Machinery (ACM)
since 1995	Institute of Electrical and Electronics Engineers (IEEE)
since 1987	Society for Neuroscience (SfN)

PATENTS

1. Bülthoff, H. H., Nusseck, H.-G.: Bildverarbeitungseinrichtung und entsprechendes Betriebsverfahren, US 8045052 B2
2. Bülthoff, H. H., Teufel, H. and Kerger, M.: Motion simulator and corresponding method, EP 2572344 B1; AU 2010353477 B2; CN 1080066935 B
3. Bülthoff, H. H., Robuffo Giordano, P.: Teleoperation method and human robot interface for remote control of a machine by a human operator, US 8634969 B2; CN 0980158119 B

PUBLICATIONS

Full list of publications available at:

http://www.kyb.tuebingen.mpg.de/nc/employee/details/hhb.html#=3

SELECTED PUBLICATIONS

- Blake A & Bülthoff HH (January-1990) Does the brain know the physics of specular reflection? *Nature* 343(6254) 165-168
- Bülthoff HH, Little JJ & Poggio T (February-1989) A Parallel Algorithm for Real-Time Computation of Motion *Nature* 337(6207) 549-553
- Ernst MO, Banks MS & Bülthoff HH (January-2000) Touch can change visual slant perception *Nature Neuroscience* 3(1) 69-73
- Bülthoff I, Bülthoff HH and Sinha P (July-1998) Top-down influences on stereoscopic depth-perception *Nature Neuroscience* 1(3) 254-257
- Bülthoff HH & Götz KG (April-1979) Analogous motion illusion in man and fly *Nature* 278(5705) 636-638
- Fleming RW, Holtmann-Rice D & Bülthoff HH (December-2011) Estimation of 3D shape from image orientations *Proceedings of the National Academy of Sciences of the United States of America* 108(51) 20438-20443
- De Winkel KN, Katliar M & Bülthoff HH (May-2015) Forced Fusion in Multisensory Heading Estimation *PLoS ONE* 10(5) 1-20
- Kim J, Schultz J, Rohe T, Wallraven C, Lee S-W & Bülthoff HH (April-2015) Abstract Representations of Associated Emotions in the Human Brain *Journal of Neuroscience* 35(14) 5655-5663
- Ernst MO & Bülthoff HH (April-2004) Merging the Senses into a Robust Percept *Trends in Cognitive Sciences* 8(4)162-169