Curriculum vitae
Horst Bischof

Institute of Computer Graphics &
Vision (ICG)
Graz University of Technology

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8010 Graz
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Personal Data

Date of Birth:	26.03.1967
Place of Birth:	Saanen (Schweiz)
Nationality	Austria

Education

1981-1985	Realgymnasium Murau
1985-1990	Master Studies, Computer Science, TU Vienna
1990-1993	PhD. Studies, Computer Science, TU Vienna
1998	Habilitation, Applied Computer Science, TU Vienna

Career History

1/1990-9/1991	Research Assistant, Inst. f. Surveying and Remote Sensing
10/1991-6/1998	Assistant Prof. Inst. f. Pattern Recognition and Image Processing, TU-Vienna
7/1998-9/2001	Associate Prof. Inst. f. Pattern Recognition and Image Processing, TU-Vienna
2001 -2005	Key Researcher in K+ Competence Center Advanced Computer Vision
10/2001-12/2003	Guest Prof. Inst. for Computer Graphics and Vision, TU Graz
1/2004 -	Prof. for Computer Vision, TU Graz.
10/2011-	Vice Rector Research TU Graz

Career-Related Activities

Member of European Academy of Science
Member of Scientific Board of Joanneum Research
CEO of Forschungsholding TU Graz
Supervisory board Chairman of KNOW-Center Graz

Board member of Fraunhofer Inst. für Graphische Datenverarbeitung (IGD)

Secretary of Austrian Association for Pattern Recognition

Vice President of Austrian Association for Pattern Recognition

Member of the Scientific Board of K+ Centers,

Advanced Computer Vision, Virtual Reality and Visualization, and KNOW

Program Co-Chair of ICANN 2001, DAGM 1994, ÖAGM 1992

Program Co-Chair of ECCV 2006 Graz

Local Organizer of ICPR 1996

Chair of DAGM 2012

Awards (19 total)

2012	Best Paper Award ACCV
2012	Best Demo Award BMVC
2008,2010	Best Scientific Paper ICPR
2010	U.V. Heleva Award, ISPRS Journal
2007,2012	Hauptpreis Deutsche AG für Mustererkennung
2007	Best Scientific Paper British Machine Vision
2002	29th Annual Pattern Recognition Society Award

Publications (peer reviewed)

1 book, 12 edited books, 88 journal papers, 13 book chapters, 505 reviewed conference papers.

Student Supervision:

Supervised more than 120 Master students

Supervised more than 53 PhD students

Research Interests:

Computer Vision and Pattern Recognition, Object Recognition, Visual Learning, Robust Approaches to Computer Vision Problems, Neural Networks, Medical Computer Vision.

Ten important publications:

P. Kontschieder, S.R. Bulo, M. Pelillo, and H. Bischof. Structured labels in random forests for semantic labelling and object detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 36(10):2104-2116, 2014.

Stefanie Zollmann, Christof Hoppe, Stefan Kluckner, Christian Poglitsch, Horst Bischof, and Gerhard Reitmayr. Augmented reality for construction site monitoring and documentation. Proceedings of the IEEE, 102(2):137-154, 2014.

Markus Heber, Martin Godec, Matthias Rüther, Peter M Roth, and Horst Bischof. Segmentation based tracking by support fusion. Computer Vision and Image Understanding, 117(6):573-586, 2013.

Martin Godec, Peter M Roth, and Horst Bischof. Hough-based tracking of non-rigid objects. Computer Vision and Image Understanding, 117(10):1245-1256, 2013.

C. Reinbacher, M. Rüther, and H. Bischof. Fast variational multi-view segmentation through backprojection of spatial constraints. Image and Vision Computing, 30(11):797-807, 2012.

A. Irschara, Ch. Zach, M. Klopschitz, and H. Bischof. Large scale, dense city reconstruction from user-contributed photos. Computer Vision and Image Understanding, 16(1):2-15, 2012.

T. Pock, D. Cremers, H. Bischof, and A. Chambolle. Global solutions of variational models with convex regularization. SIIMS, 3(4):1122-1145, 2010.

R. Donner, B. Micusik, G. Langs, and H. Bischof. Generalized sparse MRF appearance models. Image and Vision Computing, 28(6):1031-1038, 2010.

R. Pugfelder and H. Bischof. Localization and trajectory reconstruction in surveillance cameras with non-overlapping views. IEEE Trans. on Pattern Analysis and Machine Intelligence, 32(4):709-721, 2010.

G. Langs, P. Peloschek, H. Bischof, and F. Kainberger. Automatic quantification of joint space narrowing and erosions in rheumatoid arthritis. IEEE Trans. Medical Image Analysis, 28(1):151-164, 2009.