

Curriculum Vitae

1 Person

Name	Dr. Horst O. Bunke, Prof. Em.
Date of birth	July 30, 1949
Place of birth	Langenzenn, Germany
Citizenship	Swiss and German

2 Education

1974	Dipl.-Inf. Degree from the University of Erlangen, Germany (MS in Computer Science)
1979	Dr.-Ing. Degree from the University of Erlangen (PhD in Computer Science)
1985	Habilitation (Venia Docendi) in Computer Science from the University of Erlangen

3 Professional career

1974 – 1984	Member of the scientific staff at the University of Erlangen
1980 – 1981	Postdoctoral researcher at Purdue University, West Lafayette, Indiana, USA (on leave from the University of Erlangen)
1983	Temporal appointment as Associate Professor of Computer Science at the University of Hamburg, Germany (on leave from the University of Erlangen)
1984 – present	Professor of Computer Science at the University of Bern, Switzerland; Full Professor since 1986; Head of research group on Computer Vision and Artificial Intelligence until 2011; Professor Emeritus since 2011
1992 – 1996	Chairman of the Department of Computer Science and Applied Mathematics, University of Bern
1997 – 1998	Dean of the Faculty of Science, University of Bern
2001 – 2003	Member of the Executive Committee of the Faculty of Science, University of Bern

2012

Melchor Visiting Professor, Computer Science and Engineering
Department, University of Notre Dame, USA (Fall semester)

4 Visiting positions

- Chinese Academy of Science, Beijing, China, 1987, 2012
- IBM Los Angeles Scientific Center, 1989
- University of Szeged, Hungary, 1991
- University of South Florida, Tampa, 1991, 1992, 1996, 1998 - 2007 yearly
- University of Nevada, Las Vegas, 1994
- University of Kagawa, Takamatsu, Japan, 1995
- Curtin University, Perth, Australia, 1999
- National ICT Australia, Canberra, 2005
- Autonomous University Barcelona, Spain, 2005, 2012, 2013
- National ICTA Australia, Brisbane, 2009
- National ICTA Australia, Melbourne, 2011
- University of York, 2013

5 Fields of interest

- Document Analysis
- Handwriting Recognition
- Pattern Recognition
- Artificial Intelligence

6 Various professional activities and honors

- KS Fu Prize Winner, Int. Association for Pattern Recognition (IAPR), 2010
- Recipient of IAPR/ICDAR Outstanding Achievements Award, 2009
- Honorary Doctor Degree from the University of Szeged, Hungary, 2006
- Acting President of the IAPR, 1999 - 2000
- First Vice President of the International Association for Pattern Recognition (IAPR), 1998-2000
- Editor-in-Charge of the *International Journal of Pattern Recognition and Artificial Intelligence* (World Scientific Publ. Co., Singapore), 1987 - 2003; associate editor since 2003
- Editor-in-Chief of the electronic journal *Electronic Letters on Computer Vision and Image Analysis* (ELCVIA), published by the Computer Vision Center of the Autonomous University of Barcelona, Spain; 2001 - 2010
- Advisory editor of *Pattern Recognition*, 2006 - 2011
- Associate editor of *Acta Cybernetica* (Birkhäuser Verlag, Basel)
- Associate editor of *Frontiers of Computer Science in China*
- Associate editor of the *International Journal of Document Analysis and Recognition* (Springer Verlag), 1998 - 2006

- Associate editor of the journal *Pattern Analysis and Applications* (Springer Verlag), 1998 - 2006
- Editor-in-Chief of the book series *Machine Perception and Artificial Intelligence* by World Scientific Publ. Co., Singapore
- Fellow of the International Association for Pattern Recognition (IAPR)
- Fellow of the German Research Center for Artificial Intelligence (DFKI)
- Member and Chair of the Scientific Advisory Board of the German Research Center for Artificial Intelligence (DFKI) from 1999 – 2014 and 2008 – 2014, respectively
- Member of the Scientific Advisory Board of the Computer Vision Center at Autonomous University, Barcelona, Spain, until 2017
- Member of the Management Board of the Project "Interactive Multimodal Information Management (IM2)", as part of the program "National Centers of Competence in Research" by the Swiss National Science Foundation, 2002-2005
- Head of sub-project "Multimodal Access and Content Protection" in IM2, 2002-2005
- Member of the Steering Committee of the NCCR Project IM2, 2006 - 2009
- Member of various other scientific committees
- Referee for
 - National Science Foundation, USA
 - German National Science Foundation
 - Swiss National Science Foundation
 - Israeli National Science Foundation
 - Australian Research Council
 - Dutch Research Council
 - Italian Research Council
 - other organizations, including several European research agencies
 - various scientific journals
 - various national and international conferences
- Co-chair and member of organizing board of conferences:
 - Program Co-Chair 11th Int. Conference on Frontiers in Handwriting Recognition, Montreal, August 19 – 21, 2008
 - Co-chair of 10th Int. Workshop on Frontiers in Handwriting Recognition, La Baule, France, October 23 – 26, 2006
 - Co-Chair of 7th IAPR Workshop on Document Analysis Systems, Nelson, New Zealand, February 13-15, 2006
 - Co-Chair of Track on "Pattern Recognition, Neural Networks and Document Analysis", 17th Int. Conf. on Pattern Recognition, Cambridge, UK, 2004
 - Co-Chair of Track on "Pattern Recognition, Neural Networks and Document Analysis", 16th Int. Conf. on Pattern Recognition, Quebec City, 2002
 - Co-Organizer of Dagstuhl-Seminar on "Modelling of Sensor-Based Intelligent Robot Systems", October 15-20, 2000
 - Co-Organizer of Dagstuhl Seminar on "Modelling and Planning for Sensor-Based Intelligent Robot Systems", September 27 - October 2, 1998
 - Co-Chair International Conference on Document Analysis and Recognition, Ulm, August 18-20, 1997
 - Organizer of an Invited Session on Applications of Artificial Intelligence in

- Machine Perception and Robot Control, 1st International Conference on Knowledge Based Intelligent Electronic Systems, Adelaide, May 21-23, 1997
- Co-Organizer of a Special Session on KANSEI: Machine Processing of Human Impression, International Conference on Advanced Intelligent-Mechatronics, Tokyo, June 16-20, 1997
- Finance Chair, IEEE Int. Conference of Image Processing, Lausanne, September 16-19, 1996
- Co-Organizer of Dagstuhl Seminar on "Modelling and Planning for Sensor-Based Intelligent Robot Systems", September 2-6, 1996
- Co-Organizer of Dagstuhl Seminar on "Environment Modelling and Path Planning for Autonomous Robots", October 24-28, 1994
- Chairman of Workshop on "Structural and Syntactic Pattern Recognition" Bern, Switzerland, August 26-28, 1992
- Chairman of SGAICO'88 Annual Conference on "Artificial Intelligence in Manufacturing, Assembly, and Robotics", Bern, Switzerland, October 4-5, 1988
- Co-chair of 10th DAGM Symposium on Pattern Recognition, Zürich, Switzerland, September 27-29, 1988
- Member of the program committee of conferences:
 - More than 100 entries, too numerous to list individually
- Invited talks at international conferences and workshops:
 - About 30 entries, including, for example, 16th ICIAP, Ravenna, Italy, 2011; CCPR, Chongqing, China, 2010; 20th ICPR, Istanbul, Turkey, 2010; 4th ANNPR, Cairo, Egypt, 2010; DICTA, Melbourne, Australia, 2009; 1st Malaysian Conf. on AI, Kuala Lumpur, Malaysia, 2009; 10th ICDAR, Barcelona, Spain, 2009; S&SSPR, Orlando, USA, 2008; 12th CIARP, Valparaiso, Chile, 2007; 3rd MLDM, Leipzig, Germany, 2003; 7th ICDAR, Edinburgh, UK, 2003; 15th ICPR, Barcelona, Spain, 2000; etc.
- DBLP Computer Science Bibliography: among top 400 most prolific authors in Computer Science
- H-index: 86 according to Google Scholar
- *Guide to Research* Top H-Index for Computer Science and Electronics ranking: 216

7 Teaching activities (until 2011)

- PhD theses supervision: 30
- Masters theses supervision: 116
- Regular lectures on:
 - Artificial Intelligence
 - Pattern Recognition
 - Structural and Syntactic Pattern Recognition
 - Image Processing and Analysis
 - Laboratory Course on Image Analysis
 - Automata Theory and Formal Languages
 - Compiler Design

8 Publications

More than 700 publications; see separate list at <http://www.iam.unibe.ch/fki/staff/lop.pdf>

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