

## 6.6 Bernhard Schölkopf

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### Personal

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Born February 20, 1968, Stuttgart, Germany;  
three children with the Spanish illustrator Ana Martín Larrañaga

### Employment

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- since 2011    Director at the Max Planck Institute for Intelligent Systems (Managing Director since 1.5.2011)
- 2001 – 2010    Director at the Max Planck Institute for Biological Cybernetics (Managing Director 1.8.2006–31.7.2009)
- 2000 – 2001    Group leader at the biotech startup Biowulf Technologies, New York
- 1999 – 2000    Researcher at Microsoft Research Ltd., Cambridge
- 1997 – 1999    Researcher at GMD (German National Research Center for Computer Science), Berlin

### Education

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- 1997            PhD in Computer Science (TU Berlin) — *summa cum laude*
- 1994            Diplom in Physics, University of Tübingen (Germany) — *Grade: 1*
- 1992            M. Sc. in Mathematics, University of London — *with distinction*
- 1988 – 1994    Studies of Physics, Mathematics and Philosophy in Tübingen and London

### Awards and Memberships

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- 2012            Annual Academy Prize, Berlin-Brandenburgische Akademie der Wissenschaften  
Guest Professor, ETH Zürich, Departement Informatik
- 2011            Posner keynote lecturer at the Neural Information Processing Systems conference  
Annual Max Planck Research Award  
Annual Brain Computer Interfacing Research Award (with Moritz Grosse-Wentrup)
- 2010            Inclusion in the list of ISI Highly Cited Researchers  
Honorarprofessor, Department of Mathematics and Physics, Tübingen University  
Professory extraordinary, Department of Mathematical Science, Stellenbosch University, 2010 – 2012
- 2006            J. K. Aggarwal Prize of the International Association for Pattern Recognition (IAPR)
- 2002            Honorarprofessor, Department of Computer Science, Technical University Berlin
- 2001            Scientific member of the Max Planck Society
- 1998            Prize for the best scientific project of the GMD
- 1998            Annual dissertation prize of the German Society for Computer Science (GI) for the best German PhD in Computer Science
- 1992            Lionel Cooper Memorial Prize of the University of London — awarded by the colleges constituting the University of London, for his M.Sc. with a thesis in algebraic quantum theory
- 1992 – 1997    Studienstiftung des deutschen Volkes
- 1987            Abitur, Eduard-Spranger-Gymnasium, Prize for Mathematics and Sciences
- Member of the Max Planck Society's Chemistry-Physics-Technology Section; guest member of the Biology-Medicine Section

*Board / Steering committee member:* Neural Information Processing Systems Foundation, International Machine Learning Society, MLSS Machine Learning Summer Schools, Snowbird Learning workshop, Forum Scientiarum

at the University of Tübingen, EU PASCAL/PASCAL2 Network of Excellence (Pattern Analysis and Statistical Learning)

*Member:* Institute of Electrical and Electronics Engineers, Association for Computing Machinery, Deutsche Mathematiker-Vereinigung, German Association for Pattern Recognition (DAGM, Vice President 2009–2012), Bernstein Center for Computational Neuroscience (Tübingen), Bernstein Focus for Neurotechnology (Freiburg/Tübingen), Excellence Clusters CIN (Center for Integrative Neuroscience, Univ. Tübingen) and SimTECH (Simulation Technology, Univ. Stuttgart)

Members of his department have won best paper prizes at most major conferences in the field (COLT 2003, NIPS 2004, COLT 2005, COLT 2006, ICML 2006, ALT 2007, DAGM 2008, CVPR 2008, ISMB 2008, ECCV 2008, NIPS 2008, NIPS 2009, UAI 2010, DAGM 2011, IROS 2012)



### Academic Service

Journal of Machine Learning Research — *co-founding action editor and now member of the advisory board; this has become the flagship journal of machine learning*

Journal of Artificial Intelligence Research (2003 – 2006)

IEEE Transactions on Pattern Analysis and Machine Intelligence (2005 – 2009), International Journal of Computer Vision (2004 – 2010) — *the two flagship journals of computer vision*

Information Science and Statistics — *a monograph series published by Springer, with M. Jordan and R. Nowak*

Machine Learning Journal (until 2002)

Foundations and Trends in Machine Learning (since 2007)

SIAM Journal on Imaging Sciences (2007 – 2012)

Co-chair of the first two kernel workshops in Breckenridge, Colorado (1998, 1999)

Co-founder of an ongoing series of summer schools on Machine Learning ([www.mlss.cc](http://www.mlss.cc))

Program (co-)chair of COLT'03, DAGM'04, NIPS'05; general chair of NIPS'06 and AISTATS'2012

PC member of most major machine learning and computer vision conferences

Faculty Search Committee Member for positions at various universities and MPIs (Tübingen, Stuttgart, ETH Zurich, Dresden, Plön, Heidelberg, Cologne, Kiel, Shanghai, Leipzig, Saarbrücken, Dresden)

Review Panel / Scientific Advisory Board memberships (selection):

Neural Computation and Adaptive Perception Program, Canadian Institute of Advanced Research

Gatsby Computational Neuroscience Unit, Quinquennial Review 2010

Computer Science Department, École Normale Supérieure Paris

Machine Learning Program, NICTA (Sydney)

### Invited Talks (Selection)

American Association for Artificial Intelligence, *Madison, Wisconsin, USA (1998)*, Meeting of the Bernoulli Society, *Tokio (2000)*, Conf. of the American and Hong Kong Mathematical Societies, *Hong Kong (2000)*, Interface, *Orange County (2001)*, Current Advances and Trends in Nonparametric Statistics, *Crete (2002)*, European Conf. on Machine Learning & European Conf. on Principles and Practice of Knowledge Discovery in Databases, *Helsinki (2002)*, IEEE International Conf. on Machine Learning and Cybernetics, *Beijing (2002)*, Statistical Learning, Theory and Applications, *Paris (2002)*, International Statistical Institute, *Berlin (2003)*, Effective Computational Geometry, *ENS, Paris (2004)*, COMPSTAT, *Prague (2004)*, International Work-Conf. on Artificial Neural Networks, *Barcelona (2005)*, International Conf. on Pattern Recognition, *Hong Kong (2006)*, International Conf. on Machine Learning, *Corvallis, OR (2007)*, International Conf. on Artificial Neural Networks, *Porto (2007)*, Annual Conf. of the German Classification Society, *Hamburg (2008)*, European Signal Processing Conf., *Lausanne (2008)*, Methods for Mining Massive Data, *Copenhagen (2009)*, Techkriti, *IIT Kanpur (2010)*, SANUM, *Stellenbosch (2010)*, IPMU, *Dortmund (2010)*, Pao-Lu Hsu Lecture, *Beijing (2010)*, Information Hiding Conference, *Prague (2011)*, NIPS, *Granada (2011)*, MaxEnt, *Garching (2012)*, International Conference on Data Mining, *Brussels (2012)*