

# Lebenslauf Priv.-Doz. DI Dr. Stephan Dreiseitl

Fachhochschulstudiengang Software Engineering  
FH Oberösterreich, Campus Hagenberg  
A-4232 Hagenberg, Österreich  
tel: ++43 50804 22025 fax: ++43 50804 22099  
e-mail: [stephan.dreiseitl@fh-hagenberg.at](mailto:stephan.dreiseitl@fh-hagenberg.at)

geboren	17. August 1968 in Innsbruck, Österreich
Staatsbürgerschaft	Österreich
Sprachen	Deutsch, Englisch, Französisch
Familienstand	verheiratet, zwei Kinder

## Ausbildung

Herbst 1986–Sommer 1988	Studium der Mathematik an der Universität Innsbruck.
Herbst 1988–Sommer 1990	Als Austausch- und Fulbrightstudent Studium der Mathematik und Informatik an der University of Illinois at Urbana-Champaign, IL, USA.
Herbst 1990–Frühling 1993	Diplomstudent der technischen Mathematik am Research Institute for Symbolic Computation der Johannes Kepler Universität Linz.
Herbst 1993–Frühling 1997	Doktoratsstudent am Research Institute for Symbolic Computation.
Sommer 1997	Teilnahme am NATO Advanced Study Institute “Generalization in Neural Networks and Machine Learning” in Cambridge, England.
Herbst 1998–Herbst 1999	Research Fellow für medizinische Informatik bei der Decision Systems Group, Brigham and Women’s Hospital, Harvard Medical School/MIT in Boston, MA, USA.
Winter 2006/07	Habilitation für das Fach “Wissensbasierte Systeme” an der Johannes Kepler Universität Linz.

## Arbeitserfahrung

Sommer 1990	Ferialpraktikum bei der Programm- und Systementwicklung von Siemens Wien.
Frühling 1991–Frühling 1992	Mitarbeit am RISC-Linz Projekt “Symbolic Computation for Artificial Neural Networks” mit Siemens München.

Herbst 1993–Frühling 1996	Wissenschaftlicher Mitarbeiter beim RISC-Linz Projekt “Hybrid Evolutionary Programming” im Rahmen des vom MITI Japan gesponsorten Real World Computing Programs.
Sommer 1994	Wissenschaftlicher Mitarbeiter der Orthopedic Engineering Research Group am Carolinas Medical Center, Charlotte, NC, USA.
Herbst 1996–Frühling 2000	Vorlesungen und Übungen in Mathematik an den Fachhochschulstudiengängen in Hagenberg, Österreich.
Herbst 1997–Herbst 1998	Systementwickler für ein Touren-, Routen- und Ladeoptimierungsprogramm für Autofrächter bei der RISC-Linz Software GmbH.
Herbst 1999–Herbst 2000	Forschungsassistent am Research Institute for Symbolic Computation.
Seit Herbst 2000	FH-Professor für Mathematik am Fachhochschulstudiengang <i>Software Engineering</i> in Hagenberg, Österreich.
Frühling 2002–Herbst 2008	Vorlesungen an der Harvard-MIT Division of Health Sciences and Technology, Cambridge, MA, USA.
Herbst 2002–Frühling 2012	Vorlesungen und Übungen an der Privatuniversität für Gesundheitswissenschaften, medizinische Informatik und Technik (UMIT), Hall, Tirol.
Seit Frühling 2005	Vorlesungen und Übungen an den FH-Studiengängen des MCI, Innsbruck.
Frühling 2006–Herbst 2008	Wissenschaftlicher Mitarbeiter an der Privatuniversität für Gesundheitswissenschaften, medizinische Informatik und Technik (UMIT), Hall, Tirol.
Herbst 2007–Frühling 2010	Adjunct Faculty, Decision Systems Group, Brigham and Women’s Hospital, Harvard Medical School/MIT in Boston, MA, USA.
Seit Frühling 2009	Adjunct Professor, Dept. of Biomedical Sciences and Engineering, Privatuniversität für Gesundheitswissenschaften, medizinische Informatik und Technik (UMIT), Hall, Tirol.

## Auszeichnungen

1988–1989	Fulbright-Stipendiat an der University of Illinois.
1993	Studienabschluß (technische Mathematik) mit ausgezeichnetem Erfolg.
1997	Würdigungspreis des österreichischen Ministers für Wissenschaft.
1997	Promotion <i>sub auspiciis praesidentis</i> .
1998–1999	Erwin-Schrödinger-Stipendiat an der Harvard Medical School/MIT.
2004, 2005, 2009	Best teacher awards, Fachhochschulstudiengänge <i>Software Engineering</i> und <i>Bioinformatik</i> , Hagenberg.

## Sonstige wissenschaftliche Tätigkeiten

Referee für die Journals *Biomed Central*, *Journal of Biomedical Informatics*, *IEEE Transactions on Robotics and Automation*, *Medical Decision Making*, *Medical Physics*, *Artificial Intelligence in Medicine*, *Journal of the American Medical Informatics Association*, *Clinical Neurophysiology*, *Applied Intelligence*, *Computational Statistics & Data Analysis*, *International Journal of Biomedical Imaging*, *Computers in Biology and Medicine*, *Medical & Biological Engineering & Computing*, *Journal of Electronic Commerce Research*, *Journal of the American Medical Informatics Association*, *Neurology & Urodynamics*, *PLOS One*, *BMJ Open*.

Mitglied des Program Committee der Workshops *ROC Analysis in Artificial Intelligence (2004)* und *ROC Analysis in Machine Learning (2005, 2006)* sowie der Konferenzen *HEALTHINF (2010–2018)* und *eHealth Summit Austria (2013–2018)*.

Mitglied des Editorial Boards des *Journal of the American Medical Informatics Association (2013–2015)*.

## Lehrbuch

[1] *Mathematik für Software Engineering*. Springer Vieweg, Berlin, 2018.

## Journal- und Konferenzpapers

- [1] S. Dreiseitl. Evaluating parallel minibatch training for machine learning applications. In *Computer Aided Systems Theory—EUROCAST 2017 (LNCS 10671)*, pages 400–407, Las Palmas, Spain, 2017.
- [2] D. Girardi, S. Wartner, G. Halmerbauer, M. Ehrenmüller, H. Kosorus, and S. Dreiseitl. Using concept hierarchies to improve calculation of patient similarity. *Journal of Biomedical Informatics*, 63:66–73, 2016.
- [3] S. Dreiseitl, A. Vieider, and C. Larch. Using smart grid data to predict next-day energy consumption and photovoltaic production. In *Computer Aided Systems Theory—EUROCAST 2015 (LNCS 9520)*, pages 1–8, Las Palmas, Spain, 2015.
- [4] N. Niklas, J. Hafenscher, A. Barna, K. Wiesinger, J. Pröll, S. Dreiseitl, S. Preuner-Stix, P. Valent, T. Lion, and C. Gabriel. cFinder: definition and quantification of multiple haplotypes in a mixed sample. *BMC Research Notes*, 8:422, 2015.
- [5] V. Dorfer, S. Maltsev, S. Dreiseitl, K. Mechtler, and S.M. Winkler. A symbolic regression based scoring system improving peptide identifications for MS Amanda. In *Proceedings of the 2015 Annual Conference on Genetic and Evolutionary Computation*, pages 1335–1341, Madrid, Spain, 2015.
- [6] S. Dreiseitl. Feature selection for unsupervised learning via comparison of distance matrices. In *Computer Aided Systems Theory—EUROCAST 2013 (LNCS 8111)*, pages 203–210, Las Palmas, Spain, 2013.

- [7] J. Weingast, C. Scheibböck, E. Wurm, E. Ranharter, S. Porkert, S. Dreiseitl, C. Posch, and M. Binder. A prospective study of mobile phones for dermatology in a clinical setting. *Journal of Telemedicine and Telecare*, 19(4):213–218, 2013.
- [8] C. Scheibböck, P. Huber, S. Weber, K. Harmankaya, R. Nemecek, J. Weingast, M. Binder, T. Mehl, C. Schuh, and S. Dreiseitl. Prediction of metastatic events in patients with cutaneous melanoma. In *Proceedings of eTELEMED2013*, pages 220–223, Nice, France, 2013.
- [9] S. Dreiseitl and M. Osl. Testing the calibration of classification models from first principles. In *Proceedings of the AMIA Annual Fall Symposium 2012*, pages 164–169, Chicago, USA, 2012.
- [10] G. Binenbaum, G.S. Ying, G.E. Quinn J. Huang, S. Dreiseitl, J. Antigua, N. Foroughi, and S. Abbasi. The CHOP postnatal weight gain, birth weight, and gestational age retinopathy of prematurity risk model. *Archives of Ophthalmology*, 130(12):1560–1565, 2012.
- [11] M. Osl, M. Netzer, S. Dreiseitl, and C. Baumgartner. Applied data mining: From biomarker discovery to decision support systems. In Z. Trajanoski, editor, *Computational medicine: tools and challenges*, chapter 10, pages 173–184. Springer, 2012.
- [12] S. Dreiseitl, M. Pivec, and M. Binder. Differences in examination characteristics of pigmented skin lesions: results of an eye tracking study. *Artificial Intelligence in Medicine*, 54:201–205, 2012.
- [13] S. Dreiseitl and M. Osl. Effect of reject option on classifier performance. In *Proceedings of the 23rd European Modeling and Simulation Symposium (EMSS2011)*, pages 176–180, Rome, Italy, 2011.
- [14] S. Dreiseitl and M. Osl. Effects of data grouping on calibration measures of classifiers. In *Computer Aided Systems Theory—EUROCAST 2011 (LNCS 6927)*, pages 359–366, Las Palmas, Spain, 2011.
- [15] M. Osl and S. Dreiseitl. Early diagnosis of acute myocardial infarction using kernel methods. In *Proceedings of the 8th IASTED International Conference on Biomedical Engineering*, pages 175–180, Innsbruck, Austria, 2011.
- [16] G. Binenbaum, G. Ying, G.E. Quinn, S. Dreiseitl, K. Karp, R.S. Roberts, H. Kirpalani, and the PINT study group. A clinical prediction model to stratify ROP risk using postnatal weight gain. *Pediatrics*, 127(3):e607–e614, 2011.
- [17] S. Dreiseitl, M. Osl, C. Baumgartner, and S. Vinterbo. An evaluation of heuristics for rule ranking. *Artificial Intelligence in Medicine*, 50(3):175–180, 2010.
- [18] M. Osl, S. Dreiseitl, J. Kim, K. Patel, C. Baumgartner, and L. Ohno-Machado. Effect of data combination on predictive modeling: A study using gene expression data. In *Proceedings of the AMIA Annual Fall Symposium 2010*, pages 567–571, Washington DC, USA, 2010.
- [19] S. Dreiseitl, M. Osl, C. Scheibböck, and M. Binder. Outlier detection with one-class SVMs: An application to melanoma prognosis. In *Proceedings of the AMIA Annual Fall Symposium 2010*, pages 172–176, Washington DC, USA, 2010.

- [20] C. Scheibböck, T. Mehl, D. Rafolt, S. Dreiseitl, K. Schlager, J. Weingast, and M. Binder. Prediction of metastatic disease by computer aided interpretation of tumour markers in patients with malignant melanoma: a feasibility study. In *Proceedings of ehealth2010: Health Informatics meets ehealth*, pages 161–166, Vienna, Austria, 2010.
- [21] S. Dreiseitl, K. Auracher, S. Puig, and J. Malveyh. Modeling of standardized data entry in dermoscopy. In *Proceedings of the 21st European Modeling and Simulation Symposium (EMSS2009)*, pages 184–188, Tenerife, Spain, 2009.
- [22] S. Dreiseitl. Data processing beyond visual interpretation. In *Proceedings of the 10th International Congress of Dermatology*, pages 81–86, Prague, Czech Republic, 2009.
- [23] S. Dreiseitl and M. Osl. Feature selection based on pairwise classification performance. In *Computer Aided Systems Theory—EUROCAST 2009 (LNCS 5717)*, pages 769–776, Las Palmas, Spain, 2009.
- [24] S. Dreiseitl and L. Ohno-Machado. Support vector machines. In M.W. Kattan, editor, *Encyclopedia of Medical Decision Making*, pages 1101–1105. SAGE Publications, 2009.
- [25] M. Osl, S. Dreiseitl, F. Cerqueira, M. Netzer, B. Pfeifer, and C. Baumgartner. Demoting redundant features to improve the discriminatory ability in cancer data. *Journal of Biomedical Informatics*, 42:721–725, 2009.
- [26] M. Osl, C. Baumgartner, B. Tilg, and S. Dreiseitl. On the combination of logistic regression and local probability estimates. *African Journal of Information and Communication Technology*, 5:84–90, 2009. Extended version of the paper [29].
- [27] S. Dreiseitl, M. Binder, K. Hable, and H. Kittler. Computer versus human diagnosis of melanoma: Evaluation of the feasibility of an automated diagnostic system in a prospective clinical trial. *Melanoma Research*, 19:180–184, 2009.
- [28] C. Scheibböck, S. Dreiseitl, and M. Binder. Applicability of mobile phones for tele-dermatology: a pilot study. In *Proceedings of the International Conference on Health Informatics—HEALTHINF 2009*, pages 474–477, Porto, Portugal, 2009.
- [29] M. Osl, C. Baumgartner, B. Tilg, and S. Dreiseitl. On the combination of logistic regression and local probability estimates. In *Proceedings of the 3rd International Conference on Broadband Communications, Information Technology and Biomedical Applications*, pages 124–128, Pretoria, South Africa, 2008.
- [30] M. Osl, L. Ohno-Machado, and S. Dreiseitl. Improving calibration of logistic regression models by local estimates. In *Proceedings of the AMIA Annual Fall Symposium 2008*, pages 535–539, Washington DC, USA, 2008.
- [31] M. Osl, S. Dreiseitl, B. Pfeifer, K. Weinberger, H. Klocker, G. Bartsch, G. Schäfer, B. Tilg, A. Graber, and C. Baumgartner. A new rule-based algorithm for identifying metabolic markers in prostate cancer using tandem mass spectrometry. *Bioinformatics*, 24:2908–2914, 2008.
- [32] S. Dreiseitl, M. Binder, S. Vinterbo, and H. Kittler. Applying a decision support system in clinical practice: Results from melanoma diagnosis. In *Proceedings of the AMIA Annual Fall Symposium 2007*, pages 191–195, Chicago, USA, 2007.

- [33] S. Dreiseitl. Training multiclass classifiers by maximizing the volume under the ROC surface. In *Computer Aided Systems Theory—EUROCAST 2007 (LNCS 4739)*, pages 878–885, Las Palmas, Spain, 2007.
- [34] M. Binder, H. Kittler, H. Pehamberger, and S. Dreiseitl. Differentiation between benign and malignant skin tumors by image analysis, neural networks, and other methods of machine learning. In K.-P. Wilhelm et al., editors, *Bioengineering of the Skin: Skin Imaging and Analysis*, pages 297–304. Informa Healthcare, 2nd edition, 2006.
- [35] S. Vinterbo and S. Dreiseitl. A note on solution sizes in the haplotype tagging SNPs problem. In *Proceedings of the 2nd European Modeling and Simulation Symposium (EMSS2006)*, pages 659–663, 2006.
- [36] S.A. Vinterbo, S. Dreiseitl, and L. Ohno-Machado. Approximation properties of haplotype tagging. *BMC Bioinformatics*, 7(8), 2006.
- [37] S. Dreiseitl, A. Harbauer, M. Binder, and H. Kittler. Nomographic representation of logistic regression models: A case study using patient self-assessment data. *Journal of Biomedical Informatics*, 38:389–394, 2005.
- [38] S. Dreiseitl and M. Binder. Do physicians value decision support? A look at the effect of decision support systems on physician opinion. *Artificial Intelligence in Medicine*, 33:25–30, 2005.
- [39] S. Vinterbo, S. Dreiseitl, and L. Ohno-Machado. A testing procedure for htSNP approximation algorithms. In *Proceedings of the Workshop on Intelligent Data Analysis in Medicine and Pharmacology (IDAMAP 2004)*, pages 101–105, 2004.
- [40] S. Dreiseitl, S. Vinterbo, and L. Ohno-Machado. Disambiguation data: Extracting information from anonymized sources. *Journal of the American Medical Informatics Association*, 9:S110–S114, 2002.
- [41] S. Dreiseitl and L. Ohno-Machado. Logistic regression and artificial neural network classification models: a methodology review. *Journal of Biomedical Informatics*, 35:352–359, 2002.
- [42] L. Ohno-Machado, S. Vinterbo, S. Dreiseitl, T.K. Jenssen, and W. Kuo. Comparing imperfect measurements with the Bland-Altman technique: application in gene expression analysis. In *Proceedings of the AMIA Annual Fall Symposium 2002*, pages 572–576, San Antonio, USA, 2002.
- [43] L. Ohno-Machado, S. Vinterbo, and S. Dreiseitl. Effects of data anonymization by cell suppression on descriptive statistics and predictive modeling performance. *Journal of the American Medical Informatics Association*, 9:S115–S119, 2002.
- [44] S. Dreiseitl, L. Ohno-Machado, S. Vinterbo, H. Billhardt, and M. Binder. A comparison of machine learning methods for the diagnosis of pigmented skin lesions. *Journal of Biomedical Informatics*, 34:28–36, 2001.
- [45] W. Jacak, K. Pröll, and S. Dreiseitl. Conflict management in an intelligent multi-agent robotics system: Finite state machine approach. In *Computer Aided Systems Theory—EUROCAST’01 (LNCS 2178)*, pages 52–66, 2001.

- [46] W. Jacak, S. Dreiseitl, K. Pröll, and J. Rozenblit. Conflict management in multiagent robotic system: FSM and fuzzy logic approach. In *Proceedings of the IEEE International Conference on Systems, Man, and Cybernetics (SMC'2001)*, pages 1593–1598, 2001.
- [47] S. Vinterbo, L. Ohno-Machado, and S. Dreiseitl. Hiding information by cell suppression. In *Proceedings of the AMIA Annual Fall Symposium 2001*, pages 726–730, Washington, USA, 2001.
- [48] S. Dreiseitl, L. Ohno-Machado, and M. Binder. Comparing three-class diagnostic tests by three-way ROC analysis. *Medical Decision Making*, 20:323–331, 2000.
- [49] S. Dreiseitl, H. Kittler, H. Ganster, and M. Binder. Classifying pigmented skin lesions with machine learning methods. In *Artificial Neural Networks in Medicine and Biology: Proceedings of the ANNIMAB-1 Conference*, pages 174–179. Springer London, 2000.
- [50] F. Atienza, N. Martinez-Alzamora, J.A. De Velasco, S. Dreiseitl, and L. Ohno-Machado. Risk stratification in heart failure using artificial neural networks. In *Proceedings of the AMIA Annual Fall Symposium 2000*, pages 32–36, 2000.
- [51] M. Binder, H. Kittler, S. Dreiseitl, H. Ganster, K. Wolff, and H. Pehamberger. Computer-aided epiluminescence microscopy of pigmented skin lesions: The value of clinical data for the classification process. *Melanoma Research*, 10:556–561, 2000.
- [52] M. Binder and S. Dreiseitl. Critical appraisal: The interpretation of test results. *Journal of Cutaneous Medicine and Surgery*, 4:19–25, 2000.
- [53] L.K. Goodwin, S.G. Maher, L. Ohno-Machado, S. Dreiseitl, S. Vinterbo, M.A. Iannacchione, W.E. Hammond, and P. Crockett. Building knowledge in a complex preterm birth problem domain. In *Proceedings of the AMIA Annual Fall Symposium 2000*, pages 305–309, 2000.
- [54] K. Pröll, W. Jacak, and S. Dreiseitl. Software agent-based intelligent control of robot manipulator. In *Proceedings of the International Conference on Intelligent Autonomous Systems (IAS'2000)*, Venice, Italy, 2000.
- [55] S. Dreiseitl, L. Ohno-Machado, and S. Vinterbo. Evaluating variable selection methods for diagnosis of myocardial infarction. In *Proceedings of the AMIA Annual Fall Symposium 1999*, pages 246–250, 1999.
- [56] W. Jacak and S. Dreiseitl. Intelligent robotic agent combining reactive and cognitive capabilities. In S. Tzafestas, editor, *Advances in Intelligent Autonomous Systems*, pages 93–113. Kluwer Acad. Pub., 1999.
- [57] W. Jacak, B. Buchberger, and S. Dreiseitl. Lifelong learning based intelligent robotic agent: Novel neural network approach. In *Proceedings of the 1997 Real World Computing Symposium (RWC'97)*, Tokyo, Japan, 1997.
- [58] W. Jacak and S. Dreiseitl. Lifelong learning approach to intelligent agents modeling. In *Computer Aided Systems Theory—EUROCAST'97 (LNCS 1333)*, pages 367–379, Gran Canaria, Spain, 1997.

- [59] W. Jacak and S. Dreiseitl. Multisensor reactive robot arm. In *Proceedings of the 1st Workshop on Teleoperations and Robotics Applications in Science and Arts*, pages 41–54, Linz, Austria, 1997.
- [60] W. Jacak and S. Dreiseitl. Intelligent robotic agent combining reactive and cognitive capabilities. In *Proceedings of IEEE International Conference on Systems, Man and Cybernetics (SMC'97)*, Orlando, USA, 1997.
- [61] S. Dreiseitl. Modeling of discrete dynamical systems by neural networks and genetic algorithms. In *Proceedings of the 13th European Meeting on Cybernetics and Systems Research (EMCSR'96)*, pages 89–94, Vienna, Austria, 1996.
- [62] S. Dreiseitl. Discrete dynamical system modeling by evolved neural networks. In *Proceedings of the 11th International Conference on Systems Engineering (ICSE'96)*, pages 19–24, Las Vegas, USA, 1996.
- [63] W. Jacak, B. Buchberger, S. Dreiseitl, and T. Kubik. Intelligent robotic arm based on reactive control. In *Proceedings of the 5th International Workshop on Robotics in the Alpe-Adria-Danube Region (RAAD'96)*, pages 297–302, Budapest, Hungary, 1996.
- [64] W. Jacak and S. Dreiseitl. Robotic agent control combining reactive and learning capabilities. In *Proceedings of the IEEE International Conference on Neural Networks (ICNN'96)*, pages 1682–1686, Washington, USA, 1996.
- [65] W. Jacak, S. Dreiseitl, and R. Muszyński. Neural network-based modeling of robot action effects in conceptual state space of real world. In *Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS'96)*, pages 1149–1156, Osaka, Japan, 1996.
- [66] W. Jacak and S. Dreiseitl. Neural network-based modeling of intelligent robotic agent behavior. In *Proceedings of the International Conference on Information Systems Analysis and Synthesis (ISAS'96)*, pages 82–89, Orlando, USA, 1996.
- [67] S. Dreiseitl, W. Jacak, T. Kubik, and R. Muszyński. Neural processing-based robot kinematics modeling and calibration for pose control. In *Proceedings of the 12th International Conference on Systems Science*, pages 288–295, Wrocław, Poland, 1995.
- [68] S. Dreiseitl and W. Jacak. Genetic algorithm-based neural networks for dynamical system modeling. In *Proceedings of the IEEE International Conference on Evolutionary Computing (CEC'95)*, pages 602–607, Perth, Australia, 1995.
- [69] B. Buchberger, S. Dreiseitl, I. Duleba, W. Jacak, T. Kubik, R. Muszynski, and D. Schlosser. Hybrid programming approach to the design of an intelligent robotic agent acting in the real world. In *Proceedings of the 1995 Real World Computing Symposium (RWC'95)*, pages 15–16, Tokyo, Japan, 1995.
- [70] W. Jacak and S. Dreiseitl. Hybrid evolutionary programming—the tools for CAST. In *Computer Aided Systems Theory—EUROCAST'95 (LNCS 1030)*, pages 289–304, Innsbruck, Austria, 1995.



- [71] W. Jacak, S. Dreiseitl, T. Kubik, and D. Schlosser. Distributed planning and control of intelligent robot's arm motion based on symbolic and neural processing. In *Proceedings of the IEEE International Conference on Systems, Man and Cybernetics (SMC'95)*, volume 3, pages 2898–2903, Vancouver, Canada, 1995.
- [72] S. Dreiseitl and T. Kubik. Neural-processed inverse kinematics of robot manipulators. In *Proceedings of the Third International Conference on Automation, Robotics, and Computer Vision*, volume 3, pages 1748–1751, Singapore, 1994.
- [73] S. Dreiseitl and D. Wang. Automatic generation of C++ code for neural network simulation. In *New trends in neural computing (LNCS 686)*, pages 358–363, Sitges, Spain, 1993.

## Vorträge und Poster bei Konferenzen

- [1] S. Dreiseitl. Client-server system for standardized dermoscopy report (talk). *3rd World Congress of Teledermatology*, Amsterdam, Netherlands, 2010.
- [2] S. Dreiseitl. Computer support for teledermatology (invited talk). *7th World Congress on Melanoma*, Vienna, Austria, 2009.
- [3] S. Dreiseitl, K. Auracher, S. Puig, and J. Malveyh. Computer support for standardized dermoscopy report (poster). *First World Meeting of Interdisciplinary Melanoma/Skin Cancer Centers*, Barcelona, Spain, 2007.
- [4] S. Dreiseitl, M. Binder, and H. Kittler. Investigating the benefits of decision support systems: Lessons from melanoma diagnosis (poster). *28th Annual Meeting of the Society for Medical Decision Making*, Boston, USA, 2006.
- [5] S. Dreiseitl and C. Grana. Calibration/standardization: An important issue for image acquisition (invited talk). *First Congress of the International Dermoscopy Society*, Naples, Italy, 2006.
- [6] S. Dreiseitl. Classifiers (invited talk). *10th World Congress on Cancers of the Skin*, Vienna, Austria, 2005.
- [7] H. Kittler, S. Dreiseitl, and M. Binder. How easily can dermatologists be influenced by a decision-support system? (poster). *24th Annual Meeting of the Society for Medical Decision Making*, Baltimore, USA, 2002.
- [8] A. Harbauer, H. Kittler, S. Dreiseitl, and M. Binder. Evaluating a patient's ability to self-assess melanoma risk (poster). In *24th Annual Meeting of the Society for Medical Decision Making*, Baltimore, USA, 2002.
- [9] S. Dreiseitl and L. Ohno-Machado. Self-organizing maps for visualization of medical data sets (poster). *AMIA Annual Fall Symposium*, Washington, USA, 1999.
- [10] L. Ohno-Machado, S. Vinterbo, A. Ohrn, and S. Dreiseitl. Clinical data processing tools: A machine learning resource (poster). *AMIA Annual Fall Symposium*, Washington, USA, 1999.