Bibliography

[Abowd, 1999] Abowd, G. D. (1999). Classroom 2000: An Experiment with the Instrumentation of a Living Educational Environment. *IBM Systems Journal*, 38(4):508–530.

[Adams et al., 1998] Adams, J., Parulski, K., and Spaulding, K. (1998). Color Processing in Digital Cameras. *IEEE Micro*, 18(6):20–30.

[Allen, 1994] Allen, J. (1994). How do humans process and recognize speech? *IEEE Transactions on Speech and Audio Processing*, 2(4):567–577.

[American National Standards Institute, 2002] American National Standards Institute (2002). American National Standard Acoustical Performance Criteria, Design Requirements, and Guidelines for Schools. ANSI S12.60-2002.

[Anderson et al., 2006] Anderson, R., Anderson, R., Chung, O., Davis, K. M., Davis, P., Prince, C., Razmov, V., and Simon, B. (2006). Classroom Presenter – A Classroom Interaction System for Active and Collaborative Learning. In *First Workshop on the Impact of Pen-based Technology on Education*, West Lafayette, Indiana, USA.

[Aoki et al., 1996] Aoki, H., Shimotsuji, S., and Hori, O. (1996). A shot classification method of selecting effective key-frames for video browsing. In *Proceedings of the fourth ACM International Conference on Multimedia*, pages 1–10, New York, New York, USA. ACM Press.

[Apperley et al., 2003] Apperley, M., McLeod, L., Masoodian, M., Paine, L., Phillips, M., Rogers, B., and Thomson, K. (2003). Use of video shadow for small group interaction awareness on a large interactive display surface. In *CRPITS '03: Proceedings of the Fourth Australian user interface conference on User interfaces 2003*, pages 81–90, Darlinghurst, Australia. Australian Computer Society Inc.

[Apple Inc, 2001] Apple Inc (2001). *Audio and MIDI on Mac OS X*. Apple Computer Inc, California, USA.

[Argüero, 2004] Argüero, M. E. (2004). *A New Algorithmic Animation Framework for the Classroom and the Internet*. Ph.D. thesis, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Baars, 1988] Baars, B. J. (1988). *A Cognitive Theory of Consciousness*. Cambridge University Press, Cambridge, UK.

[Bacher et al., 1997] Bacher, C., Müller, R., Ottmann, T., and Will, M. (1997). Authoring on the Fly. A new way of integrating telepresentation and course-ware production. In *Proceedings of International Conference on Computer in Education (ICCE) 1997*, Sarawak, Malaysia.

[Ben-Ezra et al., 2005] Ben-Ezra, M., Zomet, A., and Nayar, S. K. (2005). Video Super-Resolution Using Controlled Subpixel Detector Shifts. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 27(6):977–987.

[Bentley, 1975] Bentley, J. L. (1975). Multidimensional binary search trees used for associative searching. *Communications of the ACM*, 18:509–517.

[Bernadini et al., 2001] Bernadini, F., Martin, I. M., and Rushmeier, H. (2001). High-Quality Texture Reconstruction from Multiple Scans. *IEEE Transactions on Visualization and Computer Graphics*, 7(4):318–332.

[Beymer et al., 1997] Beymer, D., McLauchlan, P., Coifman, B., and Malik, J. (1997). A Real-time Computer Vision System for Measuring Traffic Parameters. In *Proceedings of the IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)*.

[Blake et al., 2004] Blake, A., Rother, C., Brown, M., Perez, P., and Torr, P. (2004). Interactive Image Segmentation using an adaptive GMMRF model. In *Proceedings of the European Conference on Computer Vision (ECCV)*. Springer Verlag, Heidelberg, Germany.

[Block et al., 2004a] Block, M., Friedland, G., Knipping, L., and Rojas, R. (2004a). Schach spielen auf einer elektronischen Tafel. Technical Report B-04-20, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Block et al., 2004b] Block, M., Friedland, G., Knipping, L., and Rojas, R. (2004b). Schach spielen auf einer elektronischen Tafel. Technical Report B-04-20, Freie Universität Berlin, Institut für Informatik.

[Boll, 1979] Boll, S. (1979). Suppression of acoustic noise in speech by spectral substraction. *IEEE Transactions on Acoustics, Speech, and Signal Processing*, 27(2):113–120.

[Bovik, 2005] Bovik, A. (2005). *Handboook of Image and Video Processing*. Elsevier Academic Press, San Diego, California, USA.

[Box, 1998] Box, D. (1998). *Essential COM*. Addison Wesley, New York, New York, USA.

[Boykov and Jolly, 2001] Boykov, Y. and Jolly, M.-P. (2001). Interactive Graph Cuts for Optimal Boundary and Region Segmentation of Objects in N-D Images. In *Proceedings of the International Conference on Computer Vision*, pages 105–112, Vancouver, Canada.

[Bradley et al., 1999] Bradley, J., Reich, R., and Norcross, S. (1999). On the combined effects of signal-to-noise ratio and room acoustics on speech intelligibility. *The Journal of the Acoustical Society of America*, 106:1820–1828.

[Bradski and Boult, 2001] Bradski, G. R. and Boult, T. E. (2001). *IEEE Workshop on Stereo and Multi-Baseline Vision (SMBV'01)*, volume 00. IEEE Computer Society, Los Alamitos, California, USA.

[Brotherton, 2001] Brotherton, J. A. (2001). *Enriching Everyday Experiences through the Automated Capture and Access of Live Experiences: eClass: Building, Observing and Understanding the Impact of Capture and Access in an Educational Domain.* Ph.D. thesis, Georgia Institute of Technology, College of Computing, Atlanta, Georgia, USA.

[Burcham, 2003] Burcham, T. M. (2003). Making Your Blackboard Courses Talk! In *Proceedings of Eighth Annual Mid-South Instructional Technology Conference on Teaching, Learning, and Technology*, Murfreesboro, Tennessee, USA.

[C. Szyperski, 1998] C. Szyperski (1998). *Component Software: Beyond Object-Oriented Programming.* ACM Press/Addison-Wesley Publishing Co., New York, New York, USA.

[Case et al., 2002] Case, J., Mundy, R., Partain, D., and Stewart, B. (2002). Introduction and Applicability Statements for Internet-Standard Management Framework. RFC 3410.

[Cervantes and Hall, 2004] Cervantes, H. and Hall, R. S. (2004). Autonomous Adaptation to Dynamic Availability Using a Service-Oriented Component Model. In *Proceedings of the IEEE International Conference on Software Engineering (ICSE)*, pages 614–623, Edinburgh, Scotland, GB.

[Chandler and Sweller., 1992] Chandler, P. and Sweller., J. (1992). The Split Attention Effect as a Factor in the Design of Instruction. *British Journal of Education Psychology*, 62:233–246.

[Chien et al., 2001] Chien, S.-Y., Huang, Y.-W., Ma, S.-Y., and Chen, L.-G. (2001). Automatic Video Segmentation for MPEG-4 using Predictive Watersheds. In *Proceedings of IEEE International Conference on Multimedia and Expo*, pages 239–243, Tokyo, Japan.

[Chuang Y.-Y. and R., 2001] Chuang Y.-Y., Curless B., S. D. and R., S. (2001). A Bayesian Approach to Digital Matting. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, pages 264–272, Los Alamitos, CA, USA. IEEE Computer Society.

[CIE, 1971] CIE (1971). Colorimetry (Official Recommendations of the International Commision on Illumination). CIE Publication No. 15 (E-1.3.1).

[CIE, 1978] CIE (1978). Recommendations on Uniform Color Spaces, Color-Difference Equations, Psychometric Color Terms. Supplement No. 2 of CIE Publication No. 15 (E-1.3.1) 1971.

[Cohen, 1999] Cohen, S. (1999). *Finding Color and Shape Patterns in Images.* Ph.D. thesis, Stanford University, Department of Computer Science, Palo Alto, California, USA.

[Cooper, 1990] Cooper, G. (1990). Cognitive load theory as an aid for instructional design. *Australian Journal of Educational Technology*, 6(2):108–113.

[Corel Corporation, 2002] Corel Corporation (2002). *Knockout User Guide*.

[da Vinci, 1492] da Vinci, L. (1492). Trattata della pittura. Re-Published as *Treatise on Painting* by Princeton University Press, 1956.

[Davis, 2003a] Davis, M. (2003a). Active capture: automatic direction for automatic movies. In *Proceedings of the eleventh ACM international conference on Multimedia*, pages 602–603, New York, New York, USA.

[Davis, 2003b] Davis, M. (2003b). Editing out video editing. *IEEE Multimedia*, 10(2):54–64.

[Dickreiter, 1997a] Dickreiter, M. (1997a). *Handbuch der Tonstudiotechnik*, volume 1. K.G. Saur, Munich, Germany, 6th edition.

[Dickreiter, 1997b] Dickreiter, M. (1997b). *Handbuch der Tonstudiotechnik*, volume 2. K.G. Saur, Munich, Germany, 6th edition.

[Diebel and Thrun, 2005] Diebel, J. and Thrun, S. (2005). An Application of Markov Random Fields to Range Sensing. In *Proceedings of Conference on Neural Information Processing Systems (NIPS)*, Cambridge, Massachusetts, USA. MIT Press.

[Diener, 2003] Diener, M. (2003). Lichtpunkterkennung per Kamera an einer Rückprojektionswand: Ein Lichtgriffel für E- Chalk. Bachelor's thesis, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[DIN EN, 2003] DIN EN (2003). Elektroakustik – Schallpegelmesser – Teil 1: Anforderungen. DIN EN 61672-1:2003-10 (DIN-IEC 651).

[Dufour et al., 2005] Dufour, C., Toms, E. G., Lewis, J., and Baecker, R. (2005). User strategies for handling information tasks in webcasts. In *CHI '05 extended abstracts on human factors in computing systems*, pages 1343–1346, New York, New York, USA. ACM Press.

[Elgammal et al., 1999] Elgammal, A., Harwood, D., and Davis, L. (1999). Non-parametric Model for Background Substraction. In *Proceedings of the 7th IEEE International Conference on Computer Vision, IEEE ICCV99 Frame Rate Workshop*, Kerkyra, Greece.

[Eule, 2004] Eule, S. (2004). Interaktive Whiteboards in Berliner Schulen – Chancen und Probleme eines neuen Mediums. Magisterarbeit, Freie Universität Berlin, Fachbereich Erziehungswissenschaft und Psychologie, Berlin, Germany.

[Feng et al., 2005] Feng, H., Fang, W., Liu, S., and Fang, Y. (2005). A new general framework for shot boundary detection and key-frame extraction. In *MIR '05: Proceedings of the 7th ACM SIGMM international workshop on Multimedia information retrieval*, pages 121–126, New York, New York, USA. ACM Press.

[Fey, 2002] Fey, A. (2002). Hilft Sehen beim Lernen: Vergleich zwischen einer audiovisuellen und auditiven Informationsdarstellung in virtuellen Lernumgebungen. *Unterrichtswissenschaften, Zeitschrift für Lernforschung*, 4/2002:331–338.

[Fielding et al., 1999] Fielding, R., Gettys, J., Mogul, J., Frystyk, H., Masinter, L., Leach, P., and Berners-Lee, T. (1999). Hypertext Transfer Protocol – HTTP/1.1. RFC 2616.

[Forsyth and Ponce, 2003] Forsyth, D. A. and Ponce, J. (2003). *Computer Vision – A Modern Approach*. Prentice Hall, Upper Saddle River, New Jersey, USA.

[Freed and Borenstein, 1996a] Freed, N. and Borenstein, N. (1996a). Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies. RFC 2046.

[Freed and Borenstein, 1996b] Freed, N. and Borenstein, N. (1996b). Multipurpose Internet Mail Extensions (MIME) Part Two: Media Types. RFC 2046.

[Friedland, 2002a] Friedland, G. (2002a). Towards a Generic Cross Platform Media Editor: An Editing Tool for E-Chalk. Diplomarbeit, Institut für Informatik, Freie Universität Berlin, Berlin, Germany.

[Friedland, 2002b] Friedland, G. (2002b). Towards a Generic Cross Platform Media Editor: An Editing Tool for E-Chalk (Abstract). In *Proceedings of the fourth Informatiktage 2002, Bad Schussenried*, Bad Schussenried, Germany. Gesellschaft für Informatik e.V.

[Friedland, 2004] Friedland, G. (2004). Solving the Divided Attention Problem in Lecture Recordings. Technical Report B-04-15, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Friedland et al., 2004a] Friedland, G., Jantz, K., and Knipping, L. (2004a). Conserving an Ancient Art of Music: Making SID Tunes Editable (revised version). In *Lecture Notes in Computer Science*, volume 2771, pages 290–296. Springer Verlag, Heidelberg.

[Friedland et al., 2004b] Friedland, G., Jantz, K., and Knipping, L. (2004b). Towards Automatized Studioless Audio Recording: A Smart Lecture Recorder. Technical Report B-04-14, Institut für Informatik, Freie Universität Berlin, Berlin, Germany.

[Friedland et al., 2005a] Friedland, G., Jantz, K., Knipping, L., and Rojas, R. (2005a). Experiments on Lecturer Segmentation using Texture Classification and a 3D Camera. Technical Report B-05-04, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Friedland et al., 2005b] Friedland, G., Jantz, K., Knipping, L., and Rojas, R. (2005b). Image Segmentation by Uniform Color Clustering – Approach and Benchmark Results. Technical Report B-05-07, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Friedland et al., 2005c] Friedland, G., Jantz, K., Knipping, L., and Rojas, R. (2005c). The Virtual Technician: An Automatic Software Enhancer for Audio Recording in Lecture Halls. In *Lecture Notes in Computer Science Volume 3681*, Knowledge-Based Intelligent Information and Engineering Systems: 9th International Conference, KES 2005, Melbourne, Australia. Springer Verlag, Heidelberg.

[Friedland et al., 2006a] Friedland, G., Jantz, K., Lenz, T., Wiesel, F., and Rojas, R. (2006a). A Practical Approach to Boundary Accurate Multi-Object Extraction from Still Images and Videos. In *Proceedings of the Seventh IEEE Symposium on Multimedia (to appear)*, San Diego, California, USA. IEEE Computer Society.

[Friedland et al., 2005d] Friedland, G., Jantz, K., and Rojas, R. (2005d). Cut & Paste: Merging the Video with the Whiteboard Stream for Remote Lectures. Technical Report B-05-19, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Friedland et al., 2005e] Friedland, G., Jantz, K., and Rojas, R. (2005e). SIOX: Simple Interactive Object Extraction in Still Images. In *Proceedings of the Sixth IEEE Symposium on Multimedia (ISM2005)*, pages 253–259, Irvine, California, USA. IEEE Computer Society.

[Friedland et al., 2002] Friedland, G., Knipping, L., and Rojas, R. (2002). E-Chalk Technical Description. Technical Report B-02-11, Fachbereich Mathematik und Informatik, Freie Universität Berlin, Berlin, Germany.

[Friedland et al., 2003] Friedland, G., Knipping, L., and Rojas, R. (2003). Mapping the Classroom into the Web: Case Studies from several Institutions. In András Szüks, Erwin Wagner, C. T., editor, *The Quality Dialogue: Integrating Cultures in Flexible, Distance and eLearning*, pages 480–485, Rhodes, Greece. 12th EDEN Annual Conference, European Distance Education Network.

[Friedland et al., 2005f] Friedland, G., Knipping, L., Rojas, R., Schulte, J., and Zick, C. (2005f). *Die E-Chalk Software: Einsatz und Evaluation in Präsenzunterrichts- und E-Learning-Szenarien*, pages 243–255. Peter Lang Verlag.

[Friedland et al., 2004c] Friedland, G., Knipping, L., Schulte, J., and Tapia, E. (2004c). E-Chalk: A Lecture Recording System using the Chalkboard Metaphor. *International Journal of Interactive Technology and Smart Education*, 1(1):9–20.

[Friedland et al., 2004d] Friedland, G., Knipping, L., and Tapia, E. (2004d). Web-Based Lectures Produced by AI Supported Classroom Teaching. *International Journal on Artificial Intelligence Tools (IJAIT)*, 13(2):367–382.

[Friedland et al., 2004e] Friedland, G., Knipping, L., Tapia, E., and Rojas, R. (2004e). Teaching With an Intelligent Electronic Chalkboard. In *Proceedings of ACM Multimedia 2004, Workshop on Effective Telepresence*, pages 16–23, New York, New York, USA.

[Friedland and Lasser, 1998] Friedland, G. and Lasser, T. (1998). World Wide Radio – Audio Live Übertragung durch das Internet. Projektbeschreibung, Bundeswettbewerb Jugend forscht e.V., Hamburg, Germany.

[Friedland et al., 2006b] Friedland, G., Lenz, T., Jantz, K., and Rojas, R. (2006b). Extending the SIOX Algorithm: Alternative Clustering Methods, Sub-pixel Accurate Object Extraction from Still Images, and Generic Video Segmentation. Technical Report B-06-06, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Friedland and Pauls, 2004] Friedland, G. and Pauls, K. (2004). SOPA – A Self Organizing Processing and Streaming Architecture. Technical Report B-04-13, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Friedland and Pauls, 2005a] Friedland, G. and Pauls, K. (2005a). Architecting Multimedia Environments for Teaching. *IEEE Computer*, 38(6):57–64.

[Friedland and Pauls, 2005b] Friedland, G. and Pauls, K. (2005b). Towards a Demand Driven, Autonomous Processing and Streaming Architecture. In *Proceedings of Workshop on Engineering of Autonomic Systems 2005 (EASe'05) at the 12th Annual IEEE International Conference on the Engineering of Computer Based Systems (ECBS 2005)*, page 473, Greenbelt, Maryland, USA.

[Friedland and Rojas, 2006] Friedland, G. and Rojas, R. (2006). Human-Centered Webcasting of Interactive-Whiteboard Lectures. In *Proceedings of the First IEEE International Workshop on Multimedia Technologies for E-Learning (to appear)*, San Diego, California, USA. IEEE Computer Society.

[Friedland et al., 2005g] Friedland, G., Zick, C., Jantz, K., Knipping, L., and Rojas, R. (2005g). An Interactive Datawall for an Intelligent Classroom. In *Proceedings of the E-Lectures Workshop, Delfi Conference 2005*, Rostock, Germany.

[Friedmann and Russel, 1997] Friedmann, N. and Russel, S. (1997). Image Segmentation in Video Sequences: A Probablistic Approach. In *Proceedings of the 13th Conference on Uncertainty in Artificial Intelligence (UAI97)*, Providence, Rhode Island, USA.

[Fries and Fries, 2005] Fries, B. and Fries, M. (2005). *Digital Audio Essentials*. O'Reilly Media Inc, Cambrige, Massachusetts, USA.

[Gibbs et al., 1998] Gibbs, S., Arapis, C., Breiteneder, C., Lalioti, V., Mostafawy, S., and Speier, J. (1998). Virtual Studios: An Overview. *IEEE Multimedia*, 5(1):18–35.

[Gleicher and Masanz, 2000] Gleicher, M. and Masanz, J. (2000). Towards virtual videography (poster session). In *Proceedings of the eighth ACM International Conference on Multimedia*, pages 375–378, New York, New York, USA. ACM Press.

[Glowalla, 2004] Glowalla, U. (2004). Utility und Usability von E-Learning am Beispiel von Lecture-on-demand Anwendungen. *Fortschritt-Berichte VDI*, 22(16):603–621.

[Göktürk and Tomasi, 2004] Göktürk, S. B. and Tomasi, C. (2004). 3D Head Tracking Based on Recognition and Interpolation Using a Time-Of-Flight Depth Sensor. In *Proceedings of IEEE Conference on Computer Vision and Pattern Recognition*, Washington D.C., USA.

[Göktürk et al., 2004] Göktürk, S. B., Yalcin, H., and Bamji, C. (2004). A Time-Of-Flight Depth Sensor – System Description, Issues and Solutions. In *Proceedings of IEEE Conference on Computer Vision and Pattern Recognition*, Washington D.C., USA.

[Gonzalez and Woods, 1992] Gonzalez, R. and Woods, R. (1992). *Digital Image Processing*. Addison-Wesley, Boston, Massachusetts, USA.

[Gonzalez and Woods, 2002] Gonzalez, R. and Woods, R. (2002). *Digital Image Processing*. Prentice Hall, Upper Saddle River, New Jerey, USA, 2nd edition.

[Gordon et al., 1999] Gordon, G., Darrel, T., Harville, M., and Woodfill, J. (1999). Background estimation and removal based on range and color. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*, Fort Collins, CO, USA.

[Graham, 2001] Graham, N. V. S. (2001). *Visual Pattern Analyzers*. Oxford University Press, Oxford, UK, 2nd edition.

[Gunnarsson et al., 2005] Gunnarsson, K., Wiesel, F., and Rojas, R. (2005). The Color and the Shape: Automatic On-Line Color Calibration for Autonomous Robots. In *Proceedings of The 9th RoboCup International Symposium*, Osaka, Japan.

[Hahn and Kramer, 1998] Hahn, S. and Kramer, A. F. (1998). Further evidence for the division of attention among non-contiguous locations. *Visual Cognition*, 5(1-2):217–256.

[Hall and Cervantes, 2004] Hall, R. and Cervantes, H. (2004). An OSGi Implementation and Experience Report. In *Proceedings of the First IEEE Consumer Communications and Networking Conference*, Las Vegas, NV (USA). IEEE Press.

[Hansen, 2002] Hansen, S. (2002). Unerhört gut – MP3-Nachfolger im c't-Hörtest. *c't – Magazin für Computer Technik*, 2002(19):94–95.

[Haritaoglu et al., 2000] Haritaoglu, I., Harwood, D., and Davis, L. (2000). W4: Real-Time Surveillance of People and Their Activities. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 22(8):809–831.

[Haykin, 2003] Haykin, S. (2003). Cocktail Party Phenomenon: What is it, and How do we solve it? In *European Summer School on ICA*, Berlin, Germany.

[Hering, 1872] Hering, E. (orginally published 1872). *Outlines of a Theory of the Light Sense*. Re-published 1964 by Harvard University Press, Cambridge, Massachusetts, USA.

[Hill et al., 1997] Hill, B., Roger, T., and Vorhagen, F. W. (1997). Comparative analysis of the quantization of color spaces on the basis of the CIELAB color-difference formula. *ACM Transactions on Graphics*, 16(2):109–154.

[Hodgson et al., 1999] Hodgson, M., Rempel, R., and Kennedy, S. (1999). Measurement and prediction of typical speech and background-noise levels in university classrooms during lectures. *The Journal of the Acoustical Society of America*, 105:226.

[Holmes, 2004] Holmes, N. (2004). In Defense of PowerPoint. *Computer*, 37(7):98–100.

[Howes, 1996] Howes, T. (1996). A String Representation of LDAP Search Filters. RFC 1960.

[Hürst and Müller, 2001] Hürst, W. and Müller, R. (2001). The AOF (Authoring on the Fly) system as an example for efficient and comfortable browsing and access of multimedia data. In *Proceedings of the 9th Iternational Conference Human-Computer Interaction Education (HCI)*, New Orleans, USA.

[Hurvich and Jameson, 1957] Hurvich, L. and Jameson, D. (1957). An opponent-process theory of color vision. *Psychological Reviews*, 64:384–404.

[ISO, 1997] ISO (1997). Acoustics – Preferred frequencies. Recommendation R.266:1997.

[ISO, 2003] ISO (2003). Acoustics – Normal equal-loudness-level contours. Recommendation R.266:1997.

[ISO/IEC JTC1, 1993] ISO/IEC JTC1 (1993). Coding of moving pictures and associated audio for digital storage media at up to about 1.5 Mbit/s (aka MPEG1). ISO/IEC 11172-2.

[ISO/IEC JTC1, 1994] ISO/IEC JTC1 (1994). Digital compression and coding of continuous-tone still images: Requirements and guidelines (aka JPEG). ISO/IEC 10918-1.

[ISO/IEC JTC1, 1997] ISO/IEC JTC1 (1997). Virtual Reality Modeling Language (VRML). ISO/IEC 14772-1.

[ISO/IEC JTC1 and ITU-T, 1996] ISO/IEC JTC1 and ITU-T (1996). Generic coding of moving pictures and associated audio information (aka MPEG2). ISO/IEC 13818-2.

[ISO/IEC JTC1 and ITU-T, 1999] ISO/IEC JTC1 and ITU-T (1999). Coding of audio-visual objects: Part 2 Visual (MPEG-4). ISO/IEC 14496-2.

[ISO/IEC JTC1 and ITU-T, 2005] ISO/IEC JTC1 and ITU-T (2005). Coding of audio-visual objects – Part 11: Scene description and application engine. ISO/IEC 14496-2.

[Itoh and Mizushima, 1997] Itoh, K. and Mizushima, M. (1997). Environmental Noise Reduction Based on Speech/Non-Speech Identification for Hearing Aids. In *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, Munich, Germany.

[ITU, 2000] ITU (2000). ITU T H.263 Profile 0 Level 10 (aka H.263-2000). ITU H.263.

[ITU, 2001] ITU (2001). Method for objective measurements of perceived audio quality. ITU-R BS.1387-1.

[ITU-T, 1988] ITU-T (1988). Pulse Code Modulation (PCM) of Voice Frequencies. Recommendation G.711.

[ITU-T, 1990] ITU-T (1990). 40, 32, 24, 16 kbit/s Adaptive Differential Pulse Code Modulation (ADPCM). Recommendation G.726.

[Jankovic et al., 2006] Jankovic, B., Friedland, G., and Rojas, R. (2006). Experiments on Using MPEG-4 for Broadcasting Electronic Chalkboard Lectures. Technical Report B-06-05, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Jantz, 2006] Jantz, K. (2006). *Ein Stift-Treiber für eine interaktive Multiprojektionswand*. Diplomarbeit, Institut für Informatik, Freie Universität Berlin, Berlin, Germany.

[Jantz et al., 2003] Jantz, K., Friedland, G., and Knipping, L. (2003). Conserving an Ancient Art of Music: Making SID Tunes Editable. In *Computer Music Modeling and Retrieval 2003*, pages 76–84, Montpellier, France.

[Jantz et al., 2004] Jantz, K., Friedland, G., Knipping, L., and Rojas, R. (2004). Trennung von Dozenten und Tafel in einem E-Kreide Video. Technical Report B-04-07, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Jantz et al., 2006] Jantz, K., Friedland, G., Zick, C., and Rojas, R. (2006). The Next Generation Classroom – Combining a Laser-Based Display System with an Intelligent Teaching Tool. In *New Media in Education and Research (to appear)*, volume 5, Berlin, Germany. Technische Universität Berlin.

[Jiang et al., 2004] Jiang, S., Ye, Q., Gao, W., and Huang, T. (2004). A New Method to Segment Playfield and its Applications in Match Analysis in Sports Video. In *Proceedings of ACM Multimedia 2004*, pages 292–295, New York, New York, USA. ACM Press.

[Katz, 2002] Katz, B. (2002). *Mastering Audio: The Art and the Science*. Focal Press (Elsevier), Oxford, UK.

[Kellman, 1995] Kellman, P. (1995). *Ontogenesis of space and motion perception*, pages 327–364. Academic Press.

[Kelly and Goldsmith, 2004] Kelly, S. D. and Goldsmith, L. (2004). Gesture and right hemisphere involvement in evaluating lecture material. *Gesture*, 4:25–42.

[Knecht et al., 2002] Knecht, H., Nelson, P., Whitelaw, G., and Feth, L. (2002). Background Noise Levels and Reverberation Times in Unoccupied Classrooms Predictions and Measurements. *American Journal of Audiology*, 11(2):65–71.

[Knipping, 2005] Knipping, L. (2005). *An Electronic Chalkboard for Classroom and Distance Teaching*. Ph.D. thesis, Institut für Informatik, Freie Universität Berlin, Berlin, Germany.

[Krauss et al., 1995] Krauss, R., Dushay, R., Chen, Y., and Rauscher, F. (1995). The Communicative Value of Conversational Hand Gestures. *Journal of Experimental Social Psychology*, 31:533–552.

[Krupina, 2005] Krupina, O. (2005). *NeuroSim: Neural Simulation System with a Client-Server Architecture*. Ph.D. thesis, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Li et al., 2003] Li, L., Huang, W., Gu, I. Y. H., and Tian, Q. (2003). Foreground Object Detection from Videos Containing Complex Background. In *Proceedings of ACM Multimedia 2003*, Berkeley, California, USA.

[Li and Leung, 2002] Li, L. and Leung, M. K. H. (2002). Integrating intensity and texture differences for robust change detection. *IEEE Transactions on Image Processing*, 11(2):105–112.

[Li et al., 2005] Li, Y., Sun, J., and Shum, H.-Y. (2005). Video Object Cut and Paste. *ACM Transactions on Graphics*, 24(3):595–600.

[Liwicki, 2004] Liwicki, M. (2004). Erkennung und Simulation von logischen Schaltungen für E-Chalk. Diplomarbeit, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Liwicki and Knipping, 2005] Liwicki, M. and Knipping, L. (2005). Recognizing and simulating sketched logical circuits. In *Proceedings of the 9th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, part 3, LNAI 3683*, pages 588–594, Melbourne, Australia. Springer.

[Luan et al., 2001] Luan, X., Schwarte, R., Zhang, Z., Xu, Z., Heinol, H.-G., Buxbaum, B., Ringbeck, T., and Hess, H. (2001). Three-dimensional intelligent sensing based on the PMD technology. *Sensors, Systems, and Next-Generation Satellites V. Proceedings of the SPIE.*, 4540:482–487.

[Ma et al., 2003] Ma, M., Schillings, V., Chen, T., and Meinel, C. (2003). T-Cube: A Multimedia Authoring System for eLearning. In *Proceedings of the AACE E-Learn – World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education*, pages 2289–2296, Phoenix, Arizona, USA.

[Machnicki and Rowe, 2002] Machnicki, E. and Rowe, L. (2002). Virtual Director: Automating a Webcast. *SPIE Multimedia Computing and Networking*.

[Mack, 2002] Mack, S. (2002). *Streaming Media Bible*. Hungry Minds Inc, New York, New York, USA.

[Manhart, 1999] Manhart, K. (1999). Hörfunk im Internet. *Funkschau*, 25/99.

[Martin et al., 2001] Martin, D., Fowlkes, C., Tal, D., and Malik, J. (2001). A Database of Human Segmented Natural Images and its Application to Evaluating Segmentation Algorithms and Measuring Ecological Statistics. In *Proceedings of the 8th International Conference on Computer Vision (ICCV2001)*, volume 2, pages 416–423, Vancouver, Canada.

[Mastoropoulou et al., 2005] Mastoropoulou, G., Debattista, K., Chalmers, A., and Troscianko, T. (2005). The influence of sound effects on the perceived smoothness of rendered animations. In *APGV '05: Proceedings of the 2nd symposium on applied perception in graphics and visualization*, pages 9–15, New York, New York, USA. ACM Press.

[Mathew et al., 1999] Mathew, J., Coddington, P., and Hawick, K. (1999). Analysis and Devlopment of Java Grande Benchmarks. Technical Report DHCP-063, University of Adelaide, Department of Computer Science, Adelaide, Australia.

[Mayer et al., 2002] Mayer, G., Utz, H., and Kraetzschmar, G. K. (2002). Towards Autonomous Vision Self-Calibration for Soccer Robots. In *Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS-2002)*, volume 1, pages 214–219.

[Meinel et al., 2005] Meinel, C., Schillings, V., and Kutzner, M. (2005). tele-TASK – Ein praktikables, Standardkomponenten-basiertes, mobil einsetzbares Teleteaching-System. In *Proceedings of the E-LEctures Workshop, Delfi Conference 2005*, Rostock, Germany.

[Mertens et al., 2006] Mertens, R., Friedland, G., and Krüger, M. (2006). To See or Not To See: Layout Constraints, the Split Attention Problem and their Implications for the Design of Web Lecture Interfaces. In *Proceedings of the AACE E-Learn – World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education*, Honolulu, Hawai, USA.

[Milutinovic, 2002] Milutinovic, V. E. (2002). *E-Business and E-Challenges*. IOS Press, Amsterdam, The Netherlands.

[Mortensen and Barrett, 1999] Mortensen, E. and Barrett, W. (1999). Tobogan-based Intelligent Scissors with a Four Parameter Edge Model. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, volume 2, pages 452–458, Los Alamitos, CA, USA. IEEE Computer Society.

[Nahrstedt and Balke, 2004] Nahrstedt, K. and Balke, W.-T. (2004). A taxonomy for multimedia service composition. In *Proceedings of the 12th annual ACM international conference on Multimedia*, pages 88–95, New York, New York, USA. ACM Press.

[Nahrstedt and Balke, 2005] Nahrstedt, K. and Balke, W.-T. (2005). Towards building large scale multimedia systems and applications: challenges and status. In *Proceedings of the first ACM international workshop on Multimedia service composition*, pages 3–10, New York, New York, USA. ACM Press.

[Narcisse P. Bichot and Kyle R. Cave and Harold Pashler, 1999] Narcisse P. Bichot and Kyle R. Cave and Harold Pashler (1999). Visual selection mediated by location: Feature-based selection of non-contiguous locations. *Perception & Psychophysics*, 61(3):403–423.

[Nascimento and Chitkara, 2002] Nascimento, M. A. and Chitkara, V. (2002). Color-based image retrieval using binary signatures. In *SAC '02: Proceedings*

of the 2002 ACM symposium on Applied computing, pages 687–692, New York, New York, USA. ACM Press.

[Nielsen, 1999] Nielsen, J. (1999). *Designing Web Usability, The Practice of Simplicity*. New Rider Publishing, Indianapolis, Indiana, USA.

[Nüchter et al., 2003] Nüchter, A., Surmann, H., Lingemann, K., and Hertzberg, J. (2003). Consistent 3D Model Construction with Autonomous Mobile Robots. In *Lecture Notes in Artificial Intelligence*, volume 2821, pages 550–564, Heidelberg, Germany. Springer Verlag.

[Object Management Group (OMG), 1999] Object Management Group (OMG) (1999). *CORBA 3.0 New Components Chapters, TC Document ptc/99-10-04*. Needham, Massachusetts, USA.

[Oggier et al., 2004] Oggier, T., Lehmann, M., Kaufmann, R., Schweizer, M., Richter, M., Metzler, P., Lang, G., Lustenberger, F., and Blanc, N. (2004). An all-solid-state optical range camera for 3D real-time imaging with sub-centimeter depth resolution (SwissRanger). *Optical Design and Engineering. Proceedings of the SPIE.*, 5249:534–545.

[Ogleby, 2001] Ogleby, C. (2001). Laser Scanning and Visualisation of an Australian Icon: Ned Kelly's Armour. In *Proceedings of 7th International Conference on Virtual Systems and Multimedia*, pages 201–208, California, USA. IEEE.

[Ooi et al., 1998] Ooi, B. C., Tan, K.-L., Chua, T. S., and Hsu, W. (1998). Fast image retrieval using color-spatial information. *The VLDB Journal*, 7(2):115–128.

[Ooi et al., 2000] Ooi, W. T., Pletcher, P., and Rowe, L. A. (2000). INDIVA: Middleware for Managing a Distributed Media Environment. Technical Report 166, Berkeley Media Research Center, Berkeley, California, USA.

[P. Deutsch, 1996] P. Deutsch (1996). GZIP file format specification version 4.3. RFC 1952.

[P. Deutsch and J-L. Gailly, 1996] P. Deutsch and J-L. Gailly (1996). ZLIB Compressed Data Format Specification version 3.3. RFC 1950.

[Pauls, 2003] Pauls, K. (2003). Eureka – an OSGi Resource Discovery Service. Diplomarbeit, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Pauls and Hall, 2004] Pauls, K. and Hall, R. S. (2004). Eureka – A Resource Discovery Service for Component Deployment. In *Proceedings of the 2nd International Working Conference on Component Deployment (CD 2004)*.

[Prechelt, 2000] Prechelt, L. (2000). An empirical comparison of C, C++, Java, Perl, Python, Rexx, and Tcl search/string-processing program. Technical Report 5-2000, Universität Karlsruhe, Fakultät für Informatik, Karlsruhe, Germany.

[Raffel, 2000] Raffel, W.-U. (2000). *E-Kreide, eine elektronische Tafel für die multimediale Lehre.* Diplomarbeit, Institut für Informatik, Freie Universität Berlin, Berlin, Germany.

[Rebenstorf, 2004] Rebenstorf, J. (2004). Entwicklung eines Bluetooth Stifts für E-Kreide. Diplomarbeit, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Remondino and Roditakis, 2003] Remondino, F. and Roditakis, A. (2003). 3D Reconstruction of Human Skeleton from Single Images or Monocular Video Sequences. In *Lecture Notes in Computer Science*, volume 2781, pages 100–107. Springer Verlag, Heidelberg.

[Richardson, 2000] Richardson, D. (2000). *Adventures in Diving Manual.* International PADI Inc, Rancho Santa Margarita, California, USA.

[Riseborough, 1981] Riseborough, M. (1981). Physiographic Gestures as Decoding Facilitators: Three Experiments exploring a Neglected Facet of Communication. *Journal of Nonverbal Behaviour*, 5:172–183.

[Rojas et al., 2001a] Rojas, R., Knipping, L., Friedland, G., and Frötschl, B. (2001a). Ende der Kreidezeit – Die Zukunft des Mathematikunterrichts. *DMV Mitteilungen*, 2001(2):32–37.

[Rojas et al., 2001b] Rojas, R., Knipping, L., Raffel, W.-U., and Friedland, G. (2001b). Elektronische Kreide: Eine Java-Multimedia Tafel für den Präsenz- und Fernunterricht. *Informatik: Forschung und Entwicklung*, 16(2):159–168.

[Rother et al., 2004] Rother, C., Kolmogorov, V., and Blake, A. (2004). Grab-Cut: Interactive Foreground Extraction using Iterated Graph Cuts. *ACM Trans. Graph.*, 23(3):309–314.

[Roussel, 2001] Roussel, N. (2001). Exploring New Uses of Video with VideoSpace. In *EHCI '01: Proceedings of the 8th IFIP International Conference on Engineering for Human-Computer Interaction*, pages 73–90, London, UK. Springer-Verlag.

[R.S. Hall and H. Cervantes, 2003] R.S. Hall and H. Cervantes (2003). Gravity: Supporting Dynamically Available Services in Client-Side Applications. In *Poster paper in Proceedings of ESEC/FSE 2003*.

[Rubner et al., 2000] Rubner, Y., Tomasi, C., and Guibas, L. J. (2000). The Earth Mover's Distance as a Metric for Image Retrieval. *International Journal of Computer Vision*, 40(2):99–121.

[Rui et al., 2001] Rui, Y., He, L., Gupta, A., and Liu, Q. (2001). Building an intelligent camera management system. In *Proceedings of the ninth ACM International Conference on Multimedia*, pages 2–11, New York, New York, USA. ACM Press.

[Santrac et al., 2006] Santrac, N., Friedland, G., and Rojas, R. (2006). High Resolution Segmentation with a Time-of-Flight 3D-Camera using the Example of a Lecture Scene. Technical Report B-06-09, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Schindler, 2006] Schindler, Y. (2006). Realisierung und Vergleich von Algorithmen zur Berechnung des Earth Mover's Abstands. Diplomarbeit, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Schulte, 2003] Schulte, J. (2003). Evaluation des Einsatzes der Software E-kreide in der universitären Lehre. Magisterarbeit, Technische Universität Berlin, Institut für Sprache und Kommunikation, Berlin, Germany.

[Schulzrinne et al., 2003] Schulzrinne, H., Casner, S., Frederick, R., and Jacobson, V. (2003). RTP: A Transport Protocol for Real-Time Applications. RFC 3550.

[Sheng et al., 2005] Sheng, M., Celler, B., Ambikairajah, E., and Epps, J. (2005). Development of a virtual classroom player for self-directed learning. In *Proceedings of the 3rd International Conference on Multimedia and ICTs in Education (m-ICTE)*, Cáceres, Extremadura, Spain.

[Shirazi, 2003] Shirazi, J. (2003). *Java Performance Tuning.* O'Reilly & Associates, Cambrige, Massachusetts, USA, 2nd edition.

[Simon et al., 2001] Simon, M., Behnke, S., and Rojas, R. (2001). Robust Real Time Color Tracking. In *RoboCup 2000: Robot Soccer World Cup IV*, pages 239–248, Heidelberg, Germany. Springer.

[Steffien, 2004] Steffien, H. (2004). Handschriftliche Erstellung und Ausführung von Python-Skripten auf der E-Kreide Tafel. Bachelor's thesis, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Sun Microsystems Inc, 1997] Sun Microsystems Inc (1997). *JavaBeans Specification.* Version 1.0.1, Santa Clara, California, USA.

[Sun Microsystems Inc, 2000] Sun Microsystems Inc (2000). *Enterprise JavaBeans Specification, Version 2.0, Final Draft.* Santa Clara, California, USA.

[Sweller et al., 1990] Sweller, J., Chandler, P., Tierney, P., and Cooper, G. (1990). Cognitive Load as a Factor in the Structuring of Technical Material. *Journal of Experimental Psychology: General*, 119:176–192.

[Tanenbaum and van Steen, 2002] Tanenbaum, A. S. and van Steen, M. (2002). *Distributed Systems, Principles and Paradigms.* Prentince Hall, Upper Saddle River, New Jersey, USA.

[Tang et al., 2004] Tang, A., Neustaedter, C., and Greenberg, S. (2004). Embodiments for Mixed Presence Groupware. Technical Report 2004-769-34, University of Calgary, Department of Computer Science, Calgary, Canada.

[Tang et al., 2006] Tang, A., Neustaedter, C., and Greenberg, S. (2006). VideoArms: Embodiments for Mixed Presence Groupware. In *Proceedings of the 20th British HCI Group Annual Conference (HCI 2006)*.

[Tang and Minneman, 1991] Tang, J. C. and Minneman, S. (1991). VideoWhiteboard: video shadows to support remote collaboration. In *Proceedings of the SIGCHI conference on Human factors in computing systems (CHI '91)*, pages 315–322, New York, New York, USA. ACM Press.

[Tang and Minneman, 1990] Tang, J. C. and Minneman, S. L. (1990). Video-Draw: a video interface for collaborative drawing. In *Proceedings of the SIGCHI conference on Human factors in computing systems (CHI '90)*, pages 313–320, New York, New York, USA. ACM Press.

[Tapia, 2005] Tapia, E. (2005). *Understanding Mathematics: A System for the Recognition of On-Line Handwritten Mathematical Expressions.* Ph.d. thesis, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Tellinghuisen and Nowak, 2003] Tellinghuisen, D. J. and Nowak, E. J. (2003). The inability to ignore auditory distractors as a function of visual task perceptual load. *Perception & Psychophysics*, 65:817–828.

[The Eclipse Foundation, 2003] The Eclipse Foundation (2003). Eclipse Platform – Technical Overview. Technical report, Object Technology International Inc.

[The Open Services Gateway Initiative, 2003] The Open Services Gateway Initiative (2003). *OSGi Service Platform.* IOS Press, Amsterdam, The Netherlands. Release 3.

[Theimer, 2004] Theimer, F. (2004). Automatische Handschrifterkennung in E-Kreide Dokumenten. Bachelor's thesis, Freie Universität Berlin, Institut für Informatik, Berlin, Germany.

[Thiede et al., 2000] Thiede, T., Treurniet, W. C., Bitto, R., Schmidmer, C., Sporer, T., Beerends, J. G., Colomes, C., Keyhl, M., Stoll, G., Brandenburg, K., and Feiten, B. (2000). PEAQ – The ITU standard for Objective Measurement of Perceived Audio Quality. *Journal of the Audio Engineering Society*, 48(1/2):3–29.

[Trinkwalder, 2006] Trinkwalder, A. (2006). Bitte Freimachen – Halbautomatische Verfahren zum Freistellen von Bildern. *c't – Magazin für Computer Technik*, 2006(3):168–171.

[Tsai, 1987] Tsai, R. Y. (1987). A versatile Camera Calibration Technique for High-Accuracy 3D Machine Vision Metrology Using Off-the-Shelf TV Cameras and Lenses. *IEEE Journal of Robotics and Automation*, RA-3(4):323–344.

[Tufte, 2003] Tufte, E. R. (2003). *The Cognitive Style of PowerPoint.* Graphics Press LLC, Cheshire, Connecticut, USA.

[Vezhnevets and Konouchine, 2005] Vezhnevets, V. and Konouchine, V. (2005). GrowCut – Interactive Multi-Label N-D Image Segmentation By Cellular Automata. In *Proceedings of GraphiCon 2005 – Fifteenth International Conference on Computer Graphics and Vision*, Novosibirsk Akademgorodok, Russia.

[Wallick et al., 2005] Wallick, M., Heck, R., and Gleicher, M. (2005). Marker and Chalkboard Regions. In *Proceedings of Mirage 2005*, pages 223–228.

[Wang et al., 2005] Wang, J., Bhat, P., Colburn, R. A., Agrawala, M., and Cohen, M. F. (2005). Interactive Video Cutout. *ACM Transactions on Graphics*, 24(3):585–594.

[Wang and Adelson, 1994] Wang, J. Y. A. and Adelson, E. H. (1994). Representing moving images with layers. *IEEE Transaction on Image Processing*, 3:625–637.

[Wang et al., 2003] Wang, Y., Tan, T., and Loe, K.-F. (2003). Video Segmentation Based on Graphical Models. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, volume 2, pages 335–342, Los Alamitos, CA, USA. IEEE Computer Society.

[William and Fardon, 2005] William, J. and Fardon, M. (2005). On-demand Internet-transmitted Lecture Recordings: Attempting to Enhance and Support the Lecture Experience. In *Proceedings of 12th International Conference of the Association for Learning Technology (ALT-C)*, Manchester, GB.

[Wyszecki and Stiles, 1982] Wyszecki, G. and Stiles, W. S. (1982). *Color Science: Concepts and Methods, Quantitative Data and Formulae*. John Wiley and Sons, New York, New York, USA.

[Yasuda et al., 2004] Yasuda, K., Naemura, T., and Harashima, H. (2004). Thermo-Key: Human Region Segmentation from Video. *IEEE Computer Graphics and Applications*, 24(1):26–30.

[Zabih et al., 1995] Zabih, R., Miller, J., and Mai, K. (1995). A feature-based algorithm for detecting and classifying scene breaks. In *Proceedings of the third ACM International Conference on Multimedia*, pages 189–200, New York, New York, USA. ACM Press.

[Zhang et al., 1997] Zhang, X., Farrell, J. E., and Wandell, B. A. (1997). Applications of a Spatial Extension to CIELAB. In *SPIE Electronic Imaging*, New York, New York, USA. ACM Press.

[Zhu et al., 2004] Zhu, Q., Wu, C.-T., Cheng, K.-T., and Wu, Y.-L. (2004). An Adaptive Skin Model and Its Application to Objectionable Image Filtering. In *Proceedings of ACM Multimedia 2004*, pages 56–63, New York, New York, USA.

[Ziewer and Seidl, 2004] Ziewer, P. and Seidl, H. (2004). Annotiertes Lecture Recording. In *Delfi Conference 2004*, Paderborn, Germany.

[Zitnick and Kanade, 2000] Zitnick, C. L. and Kanade, T. (2000). A Cooperative Algorithm for Stereo Matching and Occlusion Detection. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 22(7):675–684.