

Bibliography

- 3D builder [Computer software] (1996). 3D construction company, Elizabethton, Tennessee, USA.
- Abraben, E. M. (1994). *Point of view: the art of architectural photography*. New York: Van Nostrand Reinhold.
- ACI (1995). Heathrow's £90m cost of comprehensive hold baggage screening. *ACI Europe airport business, June/July*, 25.
- Adams, K. R. (1972). Perspective and the viewpoint. *Leonardo* 5, 209-217.
- Arthur, K. W., Booth, K. S., & Ware, C. (1993). Evaluating 3D task performance for fish tank virtual worlds. *ACM Transactions on Information Systems*, 11, 239-265.
- Attree, J. (1996). Explosive detection - update on reality. *Southeast Asia Fire & Security, March*, 17-20.
- Barfield, W., & Rosenberg, C. (1995). Judgments of azimuth and elevation as a function of monoscopic and binocular depth cues using a perspective display. *Human Factors*, 37 (1), 173.
- Bass, J. C., & Chiles, C. (1990). Correlation with detection of solitary pulmonary nodules. *Investigative Radiology*, 25 (September), 994-998.
- Beall, A. C., Loomis, J. M., Philbeck, J. W., & Fikes, T. G. (1995). Absolute motion parallax weakly determines visual scale in real and virtual environments. *Proceedings of the SPIE*, 2411, 288-297. Bellingham, WA: SPIE.
- Beurs, M. de (1994). *Ruimtelijke afbeeldingen en kleurgebruik op beeldschermen*. (Report No. S-697, 19 december). Delft, The Netherlands: Faculty of Mechanical Engineering and Marine Technology, Delft University Of Technology.
- Biederman, I. (1987). Recognition-by-components: A theory of human image understanding. *Psychological Review*, 94, 115-147.
- Biederman, I., & Gerhardstein, P. C. (1995). Viewpoint-dependent mechanisms in visual object recognition: Reply to Tarr and Bühlhoff (1995). *Journal of Experimental Psychology: Human Perception and Performance*, 21 (6), 1506-1514.
- Bingham, G. P., & Stassen, M. G. (1994). Monocular egocentric distance information generated by head movement. *Ecological Psychology*, 6, 219-238.
- Bishop, P. O. (1996). Stereoscopic depth perception and vertical disparity: neural mechanisms. *Vision Research*, 36 (13), 1969-1972.
- Börjesson, E., & Lind, M. (1996). The effect of polar projection on the perception of euclidean structure from motion. *Perception & Psychophysics*, 58 (6), 871-882.
- Bouwmeester, R. (1996). *Ergonomic design of an overview display in a nuclear power plant control room: Integrated process status overview*. (Report No. 001507). Unpublished master's thesis, Faculty of Industrial Design Engineering, Delft University of Technology, Delft, The Netherlands.
- Bradshaw, M. F., & Rogers, B. J. (1996). The interaction of binocular disparity and motion parallax in the computation of depth. *Vision Research*, 36 (21), 3457-3468.
- Braunstein, M. L., & Payne, J. W. (1969). Perspective and form ration as determinants of relative slant judgments. *Journal of Experimental Psychology: Human Perception and Performance*, 81 (3), 584-590.
- Braunstein, M. L., Hoffman, D. D., Shapiro, L. R., Andersen, G. J., & Bennett, B. M. (1987). Minimum points and views for the recovery of three-dimensional structure. *Journal of Experimental Psychology: Human Perception and Performance*, 13 (3), 335-343.

- Buchroeder, R. A. (1995). Distortion correction for oblique projection onto a curved screen. *Proceedings of the SPIE*, 2537, 96-104. Bellingham, WA: SPIE.
- Bueren, L. L. van (1997). *Alternate scan schemes for intraluminal ultrasound imaging*. (Report No. 001670). Unpublished master's thesis. Faculty of Industrial Design Engineering, Delft University of Technology, Delft, The Netherlands.
- Bülthoff, H. H., & Edelman, S. (1992). Psychophysical support for a two-dimensional view interpolation theory of object recognition. *Proceedings of the National Academy of Sciences USA*, 89 (January), 60-64. Available Internet: www.mpi-kueb.mpg.de/people/personal/people.html.
- Busquets, A. M., Parrish, R. V. & Williams, S. P. (1991). Effects of alternate pictorial pathway displays and stereo 3-D presentation on simulated transport landing approach performance. *Proceedings of the SPIE*, 1457, 91-102. Bellingham, WA: SPIE.
- Castle, O. M. (1995). *Synthetic image generation for a multiple-view autostereo display* (Tech. Rep. No. 382, 59-77). Unpublished doctoral thesis, Computer lab, University of Cambridge, Cambridge, England. Available Internet: <http://www.cl.cam.ac.uk/Research/Rainbow/publications/index.html>.
- Caudek, C., & Proffitt, D. R. (1993). Depth perception in motion parallax and stereokinesis. *Journal of Experimental Psychology: Human Perception and Performance*, 19 (1), 32-47.
- Chiruvolu, R., Hwang, V., & Sheridan, T. (1991). Visual display aids for teleoperation. *Proceedings of the SPIE*, 1612, 299-310. Bellingham, WA: SPIE.
- Claessen, J. P. (1995). *Shaped by colour: A study on the effect of colour on the perceived shape of objects*. Unpublished doctoral dissertation, Delft University of Technology, Faculty of Industrial Design Engineering, The Netherlands.
- Cole, R. E., & Parker, D. L. (1989). Stereo TV improves manipulator performance. *Proceedings of the SPIE*, 1083, 18-27. Bellingham, WA: SPIE.
- Cole, R. E., Merritt, J. O., Fore, S., & Lester, P. (1990). Remote manipulator task impossible without stereo TV. *Proceedings of the SPIE*, 1256, 255-265. Bellingham, WA: SPIE.
- Cole, R. E., Pepper, R. L., & Pinz, B. L. (1981). *The influence of head movement parallax on perceptual performance under direct- and TV displayed conditions* (Technical Report No 678, May). San Diego, CA: Naval Ocean Systems Center.
- Cooper, L. A. (1989). Mental models of the structure of visual objects. In B. E. Shepp & S. Ballesteros (Eds.), *Object perception: Structure & process*. (pp. 91-119). Hillsdale, New Jersey: Lawrence Erlbaum Associates.
- Cornilleau-Pérès, V., & Droulez, J. (1993). Stereo-motion cooperation and the use of motion disparity in the visual perception of 3-D structure. *Perception & Psychophysics*, 54 (2), 223-239.
- Cumming, B. G., Johnston, E. B., & Parker, A. J. (1991). Vertical disparities and the perception of three-dimensional shape. *Nature*, 349, 411-413.
- Cumming, B. G., Johnston, E. B., & Parker, A. J. (1993). Effects of different texture cues on curved surfaces viewed stereoscopically. *Vision Research*, 33 (5/6), 827-838.
- Cutting, J. E. (1986). *Perception with an eye for motion*. Cambridge, MA: MIT Press.
- Cutting, J. E. (1987). Rigidity in cinema seen from the front row, side aisle. *Journal of Experimental Psychology: Human Perception and Performance*, 13 (3), 323-334.
- Cutting, J. E. (1989). On the efficacy of cinema, or what the visual system did not evolve to do. In *Spatial displays and spatial instruments* (Report number N90-22918/8, PC A99/MF A04). NASA, Ames Research Center, July, 17-1 - 17-8.

- Deering, M. (1992). High resolution virtual reality. *Computer Graphics*, 26 (2), July, 195-202.
- Diner, D. B., & Venema, S. C. (1989). Graphic overlays in high-precision teleoperation: Current and future work at jpl. *Proceedings of the NASA Conference on Space Telerobotics*, JPL 89-7 (3), 511-520.
- Djajadiningrat, J. P., Overbeeke, C. J., & Smets, G. J. F. (in press). The importance of simultaneously accessible degrees of freedom for rotation of objects. To appear in *Behaviour and Information Technology*.
- Djajadiningrat, J. P., Smets, G. J. F., & Overbeeke, C. J. (1997). Cubby: a multiscreen movement parallax display for direct manual manipulation. *Displays*, 17, 191-197.
- Doorn, A. J. van, & Koenderink, J. J. (1996). How to probe different aspects of surface relief. *Proceedings of the fourth european workshop on ecological psychology* (Zeist, the Netherlands, July 2-5), 115-130. The Netherlands: Delft University Press.
- Dorey, F. C. (1983). *Aviation security*. London: Granada Publishing Limited.
- Dotzler, D. (1996). Invision enters strategic alliance with EG&G astrophysics, to develop new explosive detection system. *Insight (newsletter of InVision Technologies)*, 1 (3), December, 1.
- Drascic, D. (1991). Skill acquisition and task performance in teleoperation using monoscopic and stereoscopic video remote viewing. *Proceedings of the Human Factors Society 35th Annual Meeting*, 1367-1371. Santa Monica, CA: Human Factors Society.
- Drascic, D., & Milgram, P. (1996). Perceptual issues in augmented reality. *Proceedings of the SPIE*, 2653, 123-134. Bellingham, WA: SPIE.
- Durgin, F. H., Proffitt, D. R., Olson, T. J., and Reinke, K. S. (1995). Comparing depth from motion with depth from binocular disparity. *Journal of Experimental Psychology: Human Perception and Performance*, 21 (3), 679-699.
- Eby, D. W., & Braunstein, M. L. (1995). The perceptual flattening of three-dimensional scenes enclosed by a frame. *Perception*, 24 (9), 981-993.
- Edelman, S., & Bülthoff, H. H. (1992). Orientation dependence in the recognition of familiar and novel views of three-dimensional objects. *Vision Research*, 32 (12), 2385-2400.
- Edgar, G. K., & Bex, P. J. (1995). Vision and displays. In K. Carr, & R. England, *Simulated and virtual realities: Elements of perception*. London: Taylor and Francis.
- EG&G Astrophysics (1996). *Z-scan: Automatic explosives and contraband detector*. Long Beach, CA: EG&G Astrophysics.
- Europscan (1993). *Radioscopic control of luggage and small freight controlix vision*. Rungis Cedex, France: Europ Scan S.A.
- Evans, P., Godber, S. X., & Robinson, M. (1994). Three-dimensional X-ray imaging techniques. *Proceedings of the SPIE*, 2177, 161-165. Bellingham, WA: SPIE.
- Field, S., Michell, M. J., Wallis, M. G. W., & Wilson, A. R. M. (1995). What should be done about interval breast cancers?: Two view mammography and possibly a shorter screening interval. *British Medical Journal*, 310 (28 January), 203-204.
- Gaver, W., Sellen, A., Heath, C., & Luff, P. (1993). One is not enough: multiple views in a media space. *Conference proceedings of the Interchi '93*, 335-341. Amsterdam, The Netherlands: IOS.
- Gibson, J. J. (1971). The information available in pictures. *Leonardo*, 4, 27-35.
- Gibson, J. J. (1986). *The ecological approach to visual perception*. Hillsdale, New Jersey: Lawrence Erlbaum Associates. (Original work published 1979).

- Gille, J., Samadani, R., Martin, R., & Larimer, J. (1994). Grayscale/ resolution tradeoff. *Proceedings of the SPIE*, 2179, 47-59. Bellingham, WA: SPIE.
- Gogel, W. C., & Tietz, J. D. (1979). A comparison of oculomotor and motion parallax cues of egocentric distance. *Vision Research*, 19, 1161-1170.
- Gonzalez, R. (1995). *Video coding for hypermedia based on a computer graphics model*. Telecommunications Software Research Centre, University of Wollongong, Australia. Available Internet: <http://easgonzales.eas.gu.edu.au/phd/phd.html>.
- Gooding, L., Miller, M. E., Moore, J., & Kim, S. (1991). The effect of viewing and disparity on perceived depth. *Proceedings of the SPIE*, 1457, 259-266. Bellingham, WA: SPIE.
- Gourneri, J. de la (1859). *Traité de perspective linéaire contenant les tracés pour les tableaux plans et courbes, les bas-reliefs et les décorations théâtrales, avec une théorie des effets de perspective*. Paris: Dalmont et Dunod, Mallet-Bachelier.
- Haber, R. N., & Herhenson, M. (1974). *The psychology of visual perception*. UK: Redwood Burn limited.
- Hagen, M. A. (1974). Picture perception: toward a theoretical model. *Psychological Bulletin*, 81, 471-497.
- Hagen, M. A., & Elliott, H. B. (1976). An investigation of the relationship between viewing condition and preference for true and modified linear perspective in adults. *Journal of Experimental psychology: Human Perception and Performance*, 2 (4), 429-490.
- Halloran, T. O. (1989). Picture perception is array-specific: Viewing angle versus apparent orientation. *Perception & Psychophysics*, 45 (4), 467-482.
- Harmon, L. D. (1973). The recognition of faces. *Scientific American, November*, 71-82.
- Hayashibe, K. (1991). Reversals of visual depth caused by motion parallax. *Perception*, 20, 17-28.
- Hays, W. L. (1981). *Statistics* (3rd ed.). New York: CBS College Publishing.
- Heimann (1987). *Heimann: Hi-mat mehrenergie-verfahren* [Brochure]. Wiesbaden, Germany: Heimann systems GmbH.
- Heimann (1994). *Röntgenprüfgerät Hi-scan 7555-A: Sicherheit durch Qualität* [Brochure]. Wiesbaden, Germany: Heimann Systems GmbH.
- Heimann (1996). *Automatic explosives detection system hi-scan 10050 EDS* [Brochure]. Wiesbaden, Germany: Heimann Systems GmbH.
- Heimann (1997). *Hi-scan 10050 EDS Automatic explosives detection system* [On-line]. Available Internet: www.heimannsystems.com/eds.htm.
- Henderson, B. W. (1990). Airport x-ray ct scanner finds small amounts of explosives in baggage. *Aviation Week & Space Technology*, 8 (October), 34.
- Hochberg, J. (1986). Presentation of motion and space in video and cinematic displays. In K. R. Boff, L. Kaufman & J. P. Thomas (Eds.), *Handbook of perception and human performance* (Chapter 22). New York: John Wiley & Sons.
- Holloway, R., & Lastra, A. (1993). *Virtual environments: A survey of the technology*. (Report TR93-033). Department of computer science, University of North Carolina, Chapel Hill, NC.
- Hughes, D. (1989). X-ray backscatter equipment provides automatic screening for explosives. *Aviation Week & Space Technology*, 17 (April), 65-67.
- Imatron (1991). Explosives detection scanner system. *Aerospace World*, 1, 45.
- InVision (1997). *Explosive detection solutions* [Brochure]. Foster City, CA: InVision Technologies.

- Invision & EG&G (1997). *CTZ-Scan: EG&G Astrophysics/Invision alliance: product plan, overview and discussions* [Brochure]. Foster City, CA: InVision Technologies.
- Isorad (1987). *SDS 400 series fluoroscopic x-ray inspection systems* [Brochure]. Yavne, Israel: Isorad.
- Jones, R. K., & Hagen, M. A. (1978). The perceptual constraints on choosing a pictorial station point. *Leonardo*, 11, 191-196.
- Kersten D., & Bülthoff, H. H. (1991). *Apparent opacity affects perception of structure from motion* (A.I. Memo 1285; C.B.I.P. memo 34). Cambridge, MA: Massachusetts Institute of Technology, Artificial Intelligence Laboratory. Available Internet: www.mpi-k-tueb.mpg.de/people/personal/people.html.
- Kersten, D., Bülthoff, H. H., Schwartz, B. L., Kurtz, K. J. (1992). Interaction between transparency and structure from motion. *Neural Computation*, 4, 573-589.
- Kirk, R. E. (1968). *Experimental design: Procedures for the behavioral sciences*. Belmont, California: Wadsworth.
- Kirwan, B., & Ainsworth, L. (Eds.). (1992). *A guide to task analysis*. London: Taylor and Francis.
- Kjelldahl, L., & Prime, M. (1995). Study on how depth perception is affected by different presentation methods of 3D objects on a 2D display. *Computers & Graphics*, 19 (2), 199-202.
- Koenderink, J. J., Doorn, A. J. van, & Kappers, A. M. L. (1994). On so-called paradoxical monocular stereoscopy. *Perception*, 23, 583-594.
- Kohler, I. (1962). Experiments with goggles. *Scientific American*, 206 (5), 63-72.
- Kotowski, A. (1986). A review of modern x-ray screening devices. *ICAO Bulletin, October*, 22-23.
- Kundel, H. L., & Follette, P. S. la (1972). Visual search patterns and experience with radiological images. *Radiology*, 103 (3), 523-528.
- Linkenbach, H., & Stein, K. U. (1981). Luggage control with x-ray eyes. *Siemens Review XLVIII* (6), 12-15.
- Longuet-Higgins, H. C. (1981). A computer algorithm for reconstructing a scene from two projections. *Nature*, 293, 133-135.
- Loosen, F. (1994). *Statistische tabellen* (6th ed.). Leuven, Belgium: Acco.
- Louwerve, W. (1996). *Virtual Attraction*. (Report No. 001573). Unpublished master's thesis (in Dutch), Faculty of Industrial Design Engineering, Delft University of Technology, Delft, The Netherlands.
- Lumsden, E. A. (1980). Problems of magnification and minification: An explanation of the distortions of distance, slant, shape, and velocity. In M. Hagen (Ed.), *The perception of pictures: Vol. 1. Alberti's window: The projective model of pictorial information* (pp. 91-135). New York: Academic Press.
- Macrae, D., & Taverna, M. (1990). Special report: Explosives detection raises complex issues. *Aerospace World*, 11, 26-32.
- Magal (1994). *The Aisys 370B: An automatic bomb detection system* [Brochure]. Yahud, Israel: Magal Security Systems Ltd.
- Maharay, H. P. (1989). Stray radiation from baggage x-ray equipment: results and implications. *Health Physics*, 57 (1), July, 141-148.
- Marr, D. (1982). *Vision: A computational investigation into the human representation and processing of visual information*. San Francisco: W. H. Freeman and Company.
- Martin Marietta Aerospace (1988). *Teleoperator human factors study: Final report* (Report No. NASA-CR-178930). Denver, Colorado: Martin Marietta Aerospace.

- McVey, G. F. (1970). Television: Some viewer-display considerations. *AV Communications Review*, 18 (3), fall, 277-290.
- Meister, R. (1966). The iso-deformation of images and the criterion for delimitation of the usable areas in cine-auditoriums. *Journal of the Society of Motion Picture and Television Engineers*, 75 (March), 179-182.
- Metzger, W. (1975). *Gesetze des Sehens*. (3rd ed). Frankfurt am Main, Germany: Verlag Waldemar Kramer.
- Nodine, C. F., & Kundel, H. L. (1987). Using eye movements to study visual search and to improve tumor detection. *RadioGraphics*, 7 (6), november, 1241-1250.
- Nodine, C. F., Kundel, H. L., Lauver, S. C., & Toto, L. C. (1996). Nature of expertise in searching mammograms for breast masses. *Academic Radiology*, 3, 1000-1006.
- Norman, J. F., & Todd, J. T. (1995). The perception of 3-D structure from contradictory optical patterns. *Perception and Psychophysics*, 57 (6), 826-834.
- Norusis, M. J. (1993). *SPSS for windows base system user's guide release 6.0*. Chicago, IL: SPSS Inc.
- Olzak, L. A., & Thomas, J. P. (1975). Seeing spatial patterns. In E. C. Carterette, & P. Friedman (Eds.), *Handbook of perception* (Chapter 7). New York: Academic Press.
- Ono, H., & Steinbach, M. J. (1990). Monocular stereopsis with and without head movement. *Perception & Psychophysics*, 48 (2), 179-187.
- Origin Instruments (1993). *The DynaSight sensor: Developer manual*. Grand Prairie, Texas: Origin Instruments.
- Ouden, R. den (1995). *Betrouwbaarheid en snelheid van bagagecontrole apparatuur op Schiphol [Reliability and speed of luggage inspection apparatus at Schiphol]*. Unpublished master's thesis, Delft University of Technology, Faculty of Industrial Design Engineering, Delft, The Netherlands.
- Overbeeke, C. J., & Stratmann, M. H. (1988). *Space through movement*. Unpublished doctoral dissertation, Faculty of Industrial Design Engineering, Delft University of Technology, The Netherlands.
- Overbeeke, C. J., Smets, G. J. F., & Stratmann, M. H. (1987). Depth on a flat screen II. *Perceptual and Motor Skills*, 65, 120.
- Overveld, W. M. C. J. (1994). Design considerations for X-ray: trade-offs in noise, contrast and blur affect image quality and performance. *IPO Annual Progress Report*, 29, 72-80. Eindhoven, The Netherlands: Eindhoven University of Technology.
- Padmos, P., & Milders, M. V. (1992). Quality criteria for simulator images: A literature review. *Human Factors*, 34 (6), 727-748.
- Pasman, W., Smets, G. J. F., & Stappers, P. J. (1997). Effects of Image Quality, Number of Selectable Viewpoints, and Way to Select the Viewpoint in X-Ray Luggage Inspection. *Presence*, 6 (3), 268-281.
- Pasman, W., Stappers, P. J., & Smets, G. J. F. (1997). Distortion in on- and off-axis movement-coupled perspective displays. *Proceedings of the 9th international conference on perception and action* (july 20-27, University of Toronto, Scarborough, Canada), 77. New Jersey: Lawrence Erlbaum Associates.
- Perkins, D. N. (1973). Compensating for distortion in viewing pictures obliquely. *Perception & Psychophysics*, 14 (1), 13-18.
- Perrett, D. I., Harries, M. H., & Loker, S. (1992). Use of preferential inspection to define the viewing sphere and characteristic views of an arbitrary machined tool part. *Perception*, 21, 497-515.
- Petzold, P. (1973). Effects and experiments in photography. New York: Focal Press.

- Pirenne, M. H. (1970). *Optics, painting, and photography*. London: Cambridge University Press.
- Pirenne, M. H. (1975). Vision and art. In E. C. Carterette, & P. Friedman (Eds.), *Handbook of perception* (Chapter 12). New York: Academic Press.
- Poot, H. J. G. de (1995). *Monocular perception of motion in depth*. Unpublished doctoral dissertation, Faculty of Biology, University of Utrecht, Utrecht, The Netherlands.
- Purdy, W. C. (1960). *The hypothesis of psychophysical correspondence in space perception* (NTIS R60ELC56). New York: General Electric Technical Information Series.
- Ramsey, C. G., & Sleeper, H. R. (1988). *Architectural graphic standards* (8th ed.). New York: Wiley.
- Ranadivé, V. (1979). *Video resolution, framerate, and gray scale tradeoffs under limited bandwidth for undersea teleoperation*. Unpublished master's thesis, Faculty of Electr. Engineering and Computer Science, Boston, Massachusetts Institute of Technology, MA.
- Rogers, B. J. , & Graham, M. E. (1979). Motion parallax as an independent cue for depth perception. *Perception*, 8, 125-134.
- Rogers, B. J. , & Graham, M. E. (1985). Motion parallax and the perception of three-dimensional surfaces. In D. J. Ingle, M. Jeannerod, & D. N. Lee (Eds.), *Brain mechanisms and spatial vision* (NATO ASI Series), (pp. 95 - 111). Dordrecht, The Netherlands: Martinus Nijhoff.
- Rogers, B. J., & Bradshaw, M. F. (1993). Vertical disparities, differential perspective and binocular stereopsis. *Nature*, 361, 253-255.
- Rogers, B., & Graham, M. (1983). Anisotropies in the perception of three-dimensional surfaces. *Science*, 221, 1409-1411
- Rosinski, R. R., & Farber, J. (1980). Compensation for viewing point in the perception of pictured space. In M. Hagen (Ed.), *The perception of pictures: Vol. 1. Alberti's window: The projective model of pictorial information* (pp. 137-176). New York: Academic Press.
- Schlosberg, H. (1941). Stereoscopic depth from single pictures. *American Journal of Psychology*, 54, 601-605.
- Schweers, J., & Vianen, P. van (1982). *Natuurkunde op corpusculaire grondslag*. Den Bosch, The Netherlands: Malmberg.
- Sedgwick, H. A. (1980). The geometry of spatial layout in pictorial representation. In M. Hagen (Ed.), *The perception of pictures: Vol. 1. Alberti's window: The projective model of pictorial information* (pp. 33-90). New York: Academic Press.
- Sedgwick, H. A. (1986). Space perception. In Boff, K. R., Kaufman, L., & Thomas, J. P. (Eds.), *Handbook of perception and human performance* (Chapter 21). New York: John Wiley & Sons.
- Simon, M. H. (1997). Plastic power: Lightweight batteries show their muscle in demonstrations. *Scientific American*, April, 31.
- Singh, G., Serra, L., Fairchild, K., & Poston, T. (1994). Visual creation of virtual design environments and virtual worlds research at ISS. *Presence*, 3 (1), 94-107.
- Smets, G. (1992). Integration of technology assessment and humanities at the department of industrial design engineering Delft university of technology. *Universiteit & Hogeschool*, 38 (6), 263-270.
- Smets, G. J. F. (1995). Designing for Telepresence: The Delft Virtual Window System. In P. Hancock, J. Flach, J. Caird & K. Vicente (Eds.), *Local applications of the ecological approach to human-machine systems* (pp. 182-207). Hillsdale, New Jersey: Lawrence Erlbaum Associates.

- Smets, G. J. F., & Overbeeke, K. J. (1995). Trade-off between resolution and interactivity in spatial task performance. *IEEE Computer Graphics and Applications*, 15 (5), 46-51.
- Smets, G. J. F., Overbeeke, C. J., & Stratmann, M. H. (1987). Depth on a flat screen. *Perceptual and Motor Skills*, 64, 1023-1034.
- Smets, G. J. F., Stratmann, M. H., & Overbeeke, C. J. (1990). Method of causing an observer to get a three-dimensional impression from a two-dimensional representation. *European Patent 0189233*.
- Smets, G. J. F., Stratmann, M. H., & Overbeeke, C. J. (1988). Method of causing an observer to get a three-dimensional impression from a two-dimensional representation. *U.S. Patent 4,757,380*.
- Smith, O. W., & Gruber, H. (1958). Perception of depth in photographs. *Perceptual and Motor Skills*, 8, 307-313.
- Snyder, H. L. (1973). Image quality and observer performance. In L. M. Biberman (Ed.), *Perception of displayed information* (pp. 87-118). New York: Plenum Press.
- Sollenberger, R. L., & Milgram, P. (1991). A comparative study of rotational and stereoscopic computer graphic depth cues. *Proceedings of the Human Factors Society 35th Annual Meeting*, 1452-1456. Santa Monica, CA: Human Factors Society.
- Sollenberger, R. L., & Milgram, P. (1993). Effects of stereoscopic and rotational displays in a three-dimensional path-tracing task. *Human Factors*, 35 (3), 483-499.
- Spain, E. H. (1990). Stereo advantage for a peg-in-hole task using a force-feedback manipulator. *Proceedings of the SPIE*, 1256, 244-254. Bellingham, WA: SPIE.
- Spain, E. H., & Holzhausen, K. P. (1991). Stereoscopic versus orthogonal view displays for performance of a remote manipulation task. *Proceedings of the SPIE*, 1457, 103-110. Bellingham, WA: SPIE.
- Stappers, P. J. (1992). *Scaling the visual consequences of active head movements: A study of active perceivers and spatial technology*. Unpublished doctoral dissertation, Delft University of Technology, Delft, the Netherlands.
- Swartz, M., Wallace, D., & Tkacz, S (1992). The influence of frame rate and resolution reduction on human performance. *Proceedings of the Human Factors Society 36th Annual Meeting*, 1440-1444. Santa Monica, CA: Human Factors Society.
- Tittle, J. S., Todd, J. T., Perotti, V. J., & Norman, J. F. (1995). Systematic distortion of perceived three-dimensional structure from motion and binocular stereopsis. *Journal of Experimental Psychology: Human Perception and Performance*, 21 (3), 663-678.
- Todd, J. T., Akerstrom, R. A., Reichel, F. D., & Hayes, W. (1988). Apparent rotation in three-dimensional space: Effects of temporal, spatial, and structural factors. *Perception & Psychophysics*, 43, 179-188.
- Todd, J. T., & Bressan, P. (1990). The perception of 3-dimensional affine structure from minimal apparent motion sequences. *Perception & Psychophysics*, 48 (5), 419-430.
- Tsacoumis, T. P. (1983). The effectiveness of passenger security screening - an overview. *Journal of Testing and Evaluation*, 66 (6), November, 366-367. Philadelphia: ASTM.
- Ullman, S. (1979). *The interpretation of visual motion* (3rd ed.). Cambridge, MA: MIT Press.
- Uttal, W. R., Baruch, T., & Allen, L. (1995). Combining image degradations in a recognition task. *Perception & Psychophysics*, 57 (5), 682-691.
- Vivid (1990). *Effective detection today* [Brochure]. Woburn, MA: Vivid Technologies.
- Voorhorst, F. A., Overbeeke, C. J., & Smets, G. J. F. (1997). Using movement parallax for 3D laparoscopy. *Medical Progress through Technology*, 21, 211-218.

- Vyborny, C. J. (1997). The AAPM/RSNA physics tutorial for residents: Image quality and the clinical radiographic examination. *Imaging & Therapeutic Technology*, 17 (2), 479-498.
- Wald, N. J., Murphy, P., Major, P., Parkes, C., Townsend, J., & Frost, C. (1995). UKCCCR multicentre randomised controlled trial of one and two view mammography in breast cancer screening. *British Medical Journal*, 311, 1189-1193.
- Ware, C. (1995). Dynamic stereo displays. *CHI'95 conference proceedings: Human Factors in Computing Systems*, 310-316.
- Ware, C., Arthur, K., & Booth, K. S. (1993). Fish tank virtual reality. *Proceedings of the INTERCHI '93*, 37-42. Amsterdam, the Netherlands: IOS.
- Wickens, C. D. (1990). Three-dimensional stereoscopic display implementation: Guidelines derived from human visual capabilities. *Proceedings of the SPIE*, 1256, 2-11. Bellingham, WA: SPIE.
- Wloka, M. M. (1995). Lag in multiprocessor virtual reality. *Presence*, 4 (1), winter, 50-63.
- Woolley, D. (1986). Airports build for future traffic amid new security concern. *Interavia*, 7 (July), 763-770.
- Zorin, D. (1995). *Correction of geometric perceptual distortions in pictures*. Unpublished master's thesis, Department of Computer Science (Caltech), California Institute of Technology, Pasadena, CA. Available Internet: www.ggg.caltech.edu:80/~dzorin.

