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University of Maryland – College Park

Professor, College of Information Studies (2016-Present)
Director, Trace Research & Development Center, University of Maryland (1971-Present)

Raising the Floor - International
President and Co-Founder, Raising the Floor – International, Geneva (2010-Present)

University of Wisconsin-Madison

Professor, Department of Industrial and Systems Engineering – Human Factors (1995-2016)
Professor, Department of Biomedical Engineering (1998-2016)
Associate Professor, Department of Industrial and Systems Engineering – Human Factors (1990-1995)
Assistant Professor, Department of Industrial and Systems Engineering – Human Factors (1986-1990)
Director, Trace Research & Development Center (1971-2016)

Education

B.S., 1972, Electrical Engineering, University of Wisconsin-Madison (Magna Cum Laude)
M.S., 1974, Biomedical Engineering, University of Wisconsin-Madison
Thesis: "Development of a Communications Prosthesis for Non-Vocal Severely Physically Handicapped Individuals"
Ph.D., 1984, Technology in Communication Rehabilitation and Child Development
(an interdisciplinary degree with the departments of Electrical and Computer Engineering, Communicative Disorders, and Educational Psychology), University of Wisconsin-Madison

Research

Focus Areas

Current focus is on design of mainstream information and communication technologies to be more accessible and usable by people facing barriers due to disability, literacy, digital literacy or aging with a particular focus on development of a global public inclusive infrastructure to allow auto-personalization of all ICT information and interfaces in a manner affordable to all.
Past topics include: Web accessibility guidelines and tools, computer software and hardware accessibility, accessible interface techniques and strategies, telecommunications accessibility, accessible emergency communication, accessible voting, assistive technologies for computer access, augmentative communication and writing systems, rehabilitation engineering.

Rehabilitation Engineering Research Centers

Principal Investigator, RERC on Inclusive Interface & Information Technology (8 consecutive 5-year grants since 1983 from the National Institute on Disability Independent Living and Rehabilitation Research, first in DEd and now in ACL, HHS; current grant is $4.75 million, 2018-2023)

Co-Principal Investigator, RERC on Telecommunications Access (4 consecutive 5-year grants from 1994 to 2014 , partnered with Gallaudet University, funding from the National Institute on Disability and Rehabilitation Research, U.S. Dept. of Education)

Global Public Inclusive Infrastructure (GPII) development and deployment

Principal Investigator on a 20 million dollar 5 year grant to build and test the "auto-personalization from preferences" (APfP) capability of the Global Public Inclusive Infrastructure (GPII). This is a joint project with Raising the Floor, IBM, Microsoft, OCAD, Syracuse, Misericordia, and others.

European Cloud4all and Prosperity4All Large Scale Integrating Projects

Co-Principal Investigator, and Technical/Scientific Coordinator for two Large Scale Integrating Projects funded by the European Union's Seventh Framework Programme (FP7)

- **Cloud4all** (2011-2015) is a 13 million Euro, 4 year project involving 29 different companies, universities and organizations in Europe, the Canada and the US focused on developing the "auto-personalization from preferences" (APfP) capabilities as well as the international federated assistive technology database infrastructure of the GPII.
- **Prosperity4All** (2014-2018) a 12.5 million Euro, 4 year project involving 29 different companies, universities and organizations in Europe, the Canada, the US, Korea, and Qatar focused on developing the infrastructure for facilitating the evolution of the ecosystem to all more vendors, of different sizes (including single developer and consumers and professionals) to be able to explore, develop, test, and market solutions (AT and mainstream product features) for a wider range of users.

Grants and Contracts and Collaborations

Principal investigator on over 100 grants and projects (including the RERC grants), over 50+ years. Activities include research, development, commercial facilitation information summarization, and training (pre-service and in-service). Funding has been received from or collaborative work with the following:

- Technology companies: AOL, Adobe, Amazon, Ameritech, Apple, ARINC, AT&T, Avaya, Battelle, Compaq, Cisco, DEC, ECCS, Ericsson, ES&S, Hewlett Packard, Honeywell, HumanWare, IBM, Information Technology Foundation, Logitec, Macromedia, Microsoft, Motorola, Oracle, Panasonic, Phillips, Qualcomm, SBC, Siemens, Sprint, Storm/Keymat, Sun Microsystems, Telesensory Systems, Unisys, Verizon, and others.
- Government agencies: Federal Communications Commission, General Services Administration, National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR), Administration for Community Living, HHS., National Institute of Standards and Technology (NIST) – U.S. Dept. of Commerce, Rehabilitation Services Administration, National Library Service (Library of Congress), Maryland Library for the Blind and Physically Handicapped, National Science Foundation, National Telecommunications and Information Admin. (NTIA) – U.S. Dept. of Commerce, U.S. Access Board, U.S. Postal Service, National Council on Aging, National Council on Disability, Dane County (Wisconsin), State of Wisconsin, Wisconsin Dept. of Health and Social Services, Wisconsin Dept. of Vocational Rehabilitation, State of South Carolina.

- Other organizations and universities: National Federation of the Blind, American Foundation for the Blind, National Association for the Deaf, Association of Late Deafened Adults, Telecommunication Devices for the Deaf. Dole Foundation, Gallaudet University, Georgia Institute of Technology, University of Florida, University of Illinois-Champaign Urbana, World Institute on Disability.

Milestone Accomplishments

- Released Assistive Technology on Demand (AToD) – a new service from non-profit Raising the Floor that allows users to have their Assistive technologies automatically installed on locked down public shared computers they need to use. (2022)
- Released Morphic – a utility for making computers and assistive technologies easier to use, that is now in major universities and libraries across the US and in Canada. (2021)
- Released the Unified Listing – an international Federated Database of assistive technologies and access features on mainstream products. (2017)
- Released the DeveloperSpace – in international collaborative site for consumers and developers to make it easier, faster, and less expensive to create new or better access solutions and get them to market internationally. (2017)
- Originated the concept and proposed development of a Global Public Inclusive Infrastructure in 2010, which has now grown into an international effort, with significant funding from the European Commission, United States (IT-RERC) and Canada.
- Co-Chair and Co-Editor of WCAG 1.0 and WCAG 2.0 web accessibility guidelines (1999, 2008).
- Co-created the EZ Access package of cross-disability access features used in the USPS Automated Postal Center (deployed in U.S. post offices across the country), Amtrak ticketing machines, Homeland Security GOES kiosks, IBM airport check-in machines, and information kiosks at the WWII memorial in Wash. DC, Phoenix Sky Harbor Airport, Smithsonian Exhibit, etc.
- Co-developed (and licensed to Microsoft) all but one of the initial disability access features built into Windows (1995) and every version of Windows since.
- Co-developed 3 of the initial 5 disability access features for Macintosh computers (1987).
- Author of the first Web Accessibility Guidelines (1994).
- Authored the first computer accessibility guidelines for the White House Committee on Computer Access (1985). These became the basis for accessibility guidelines at IBM, Microsoft, and Apple.
- Coined the term *Augmentative Communication* – later used to name the field – in a paper at the Gulf Shores Research Conference in 1979, published in 1980.
- Developed the categorization scheme still used for communication aids today.
- Created the first portable, user programmable communication aid in 1974.

Professional Activities

- President and Co-Founder, Raising the Floor-International (2011-Present).
- Amazon Accessibility Advisory Board - (2014-Present)
- Web Content Accessibility Guidelines (WCAG) working group.
  Co-Chair (1997-2008), Member (2020-Present)
- Scientific Advisory Board, ÆGIS (supported by the 7th Framework Programme on Research and Technological Development of the European Union), 2010-11.
- Co-Chair, Industry-Government Committee on Access to Computers and Information Systems for Disabled Persons, 1983-1988.
- Member, National Academies Institute of Medicine, Committee on Disability in America (2005-06).
- Member, National Task Force on Technology and Disability (2002-04).
- Clinician, Communication Aids and Systems Clinic, Department of Rehabilitation Medicine, University of Wisconsin Hospital and Clinics (1979-1992).

- Field Peer Reviewer - National Science Foundation (NSF); National Institute of Disability and Rehabilitation Research (NIDRR) and Office of Special Education Programs (OSEP), U.S. Department of Education.
- Scientific Review and Evaluation Board, Veterans' Administration Department of Medicine and Surgery, Rehabilitation Engineering Research and Development Service (1979-1991).

Editorial Boards:

- International Journal of Universal Access in the Information Society
- International Journal of Technology and Aging
- Journal of Technology and Human Services (2005-2013)
- Journal of Rehabilitation Research (1983-2000)
- Assistive Technology, RESNA journal (1988-99)

Professional Societies:

- American Institute of Medical and Biological Engineering (AIMBE) – Founding Fellow
- Association for Computing Machinery (ACM)
- Human Factors and Ergonomics Society (HFES) – Fellow; Founding Member and Newsletter Editor of Rehabilitation and Medical Technology SIG through qualification as a TG; service on HFES standards committees.
- Institute of Electrical and Electronic Engineering (IEEE).
- Institute of Industrial Engineers (IIE) – Senior Member.
- InterNational Committee for Information Technology Standards (INCITS)
- International Society for Augmentative and Alternative Communication (ISAAC) – Founding Board of Directors (1983)
- Rehabilitation Engineering and Assistive Technology Society of North American (RESNA) – Fellow, Past President (1993-94), Executive Committee and Board of Directors (1981-1996), Founding Member and Founding Publication Chair

Industry Standards Activities

- Member of the ISO/IEC/JTC1 Task Force to revise the ISO/IEC EN 301 549 standard on accessibility to update procurement, web and mobile technologies, increase coverage of cognitive disabilities.
- Chair, Web Content Accessibility Guidelines Committee of the Web Accessibility Initiative (WAI), World Wide Web Consortium (W3C), since 1998.
- Chair, V2 Working Group, InterNational Committee on Information Technologies Standards (INCITS/ANSI); working group member since 1998.
- Co-Editor of ANSI/HFES 200, Human Factors Engineering of Software User Interfaces (Editor of Part 2).
- Member, RESNA Standards Committee on Cognitive Technologies.
- Member, IEEE-HFES P1583 Technical Group 3, Accessibility/Usability for Voting Machines (2003-04).
- Member, National Information Standards Office (NISO) Digital Talking Book Standards Committee – Working Group 1 –"Type Three Comprehensive Navigation and Manipulation Features," Working Group 2 – "Digital Talking Book Production Guidelines," and Working Group 3 – "File Specification Working Group." (2002)
- Member, Steering Committee of Web Accessibility Initiative (WAI) International Program Office of the World Wide Web Consortium (W3C), since 1998.

Government Advisory Activities

- Federal Communication Commission, Disability Advisory Committee (2022).
- Testimony at the special convening on the proposal to dissolve the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR) and merge with NIH.
- Committee of Experts, FCC MITRE Project for next generation Telecommunication
- Federal Communication Commission, Emergency Access Advisory Committee (2011-13).
- Invited Participant; European Commission Conference on Innovation for Digital Inclusion (Gdansk 2011); participation in drafting EC Roadmap for Digital Inclusion to indicate priority actions to be taken by the European Commission in the immediate future.
- Invited Participant: European Commission Workshop on Monitoring e-Accessibility in Europe 2010: Assessing Progress in e-Accessibility Technologies and Policies (Brussels 2010).
- U.S. Election Assistance Commission, Accessible Voting Technology Initiative October 13 2009.
- Federal Communication Commission National Broadband Plan Workshop October 20, 2009
- Invited private discussion session with European Union Ministers at European Commission e-Inclusion Ministerial Conference (Vienna, 2008).
- Invited testimony to U.S. Election Assistance Commission, Technical Guidelines Development Committee. (2008).
- U.S. Access Board Telecommunications and Electronic and Information Technology Advisory Committee, (2006-08).
- National Academy of Science, Institute of Medicine, Committee on Disability in America (2005-06).
- Network Reliability and Interoperability Council (NRIC), a federal advisory committee to the Federal Communications Commission (2004-05).
- Invited testimony: "Regulatory impact on IP-enabled services," Presented May 7, 2004 at FCC Internet Policy Working Group Solutions Summit, Washington, DC.
- Invited testimony to Federal Communications Commission at the Dec. 1, 2003 Forum on Voice over Internet Protocol (VoIP).
- FCC Technological Advisory Council (two terms: 1999-2000, 2001-02).
- U.S. Representative, COST219bis and successor COST219ter - European standards projects for telecommunications (1998-2008).
- U.S. Access Board Electronic Information Technology Access Advisory Committee (1998-99).
- U.S. Access Board Telecommunications Access Advisory Committee (1997-98).
- Advisory Committee to White House Digital Divide Initiative (2000).
- National Research Council's planning committee on "Every Citizen Interfaces" (1996-97).
- Chief External Technical Advisor on Access to Electronic Office Equipment: Review of application software accessibility, General Services Administration (1991-93).
- Technical Consultant, U.S. Senate Subcommittee on Handicapped Persons (1985-89).
- National Institute of Handicapped Research, National Science Foundation, Swedish Technical Institute, Swedish Institute for the Handicapped: Planning Session on US-Swedish Research Coordination (1986).
- Technical Meeting of NIHR - White House Committee for Equal Access to Standard Computers and Computer Systems (1985).
- White House/OSERS/Industry Planning Meeting on Computer Access by Disabled Persons (1984).
- Expert panelist for study on "Technology and the Handicapped" by the Office of Technology Assessment, U.S. Senate (1980-82).
- Subcommittee on Science, Research, and Technology (U.S. House of Representatives) and Subcommittee on the Handicapped (U.S. Senate), Information/Planning Workshop: "How Government and Business Can and Should Cooperate in Developing and Applying Technology for Handicapped Individuals" (1980).

- Subcommittee on Science, Research, and Technology (U.S. House of Representatives), Subcommittee on the Handicapped (U.S. Senate), and the Congressional Research Service, Library of Congress: Joint Meeting on "Application of Technology to Handicapped Individuals" (1979).
- Testimony, U.S. House of Representatives Subcommittee on Computers and the Education of Severely Handicapped Individuals (1977).

Honors and Awards

- University of Maryland Certificate of Achievement for exemplary contributions to research excellence at the University of Maryland (2019)
- One of three researchers invited to present their work at the 50th Anniversary of the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR) (2018)
- The RESNA Colin McLaurin Distinguished Lectureship Award and Keynote (2018).
- TDI Karen Peltz-Strauss Public Policy Award (2017)
- Oberdorfer Award in Low Vision, presented by the Association for Research in Vision and Ophthalmology (ARVO) and the ARVO Foundation for Eye Research (2013).
- Product Utilization Support and Help (PUSH) Award (2013), presented by the Center on Knowledge Translation for Technology Transfer (KT4TT).
- Fellow Human Factors Society (2012).
- Roland Wagner European Award for Computers Helping People with Special Needs, an award of the Austrian Computer Society presented to the Trace Center (2012).
- ACM Social Impact Award for the Human-Computer Interaction Community (2005).
- Compaq Accessibility Program Award for Section 508 efforts (2001).
- Ron Mace Designing for the 21st Century Award (2000).
- National Partnership for Reinventing Government ("Hammer") Award, presented to members of a team led by the Department of Education which devised comprehensive requirements for accessible software design (1999).
- RESNA Mentor Award, presented by the Rehabilitation Engineering and Assistive Technology Society of North America (1998).
- Strache Leadership Award, California State University-Northridge (1998).
- Ameritech and National Council of the Aging "Innovator in Communications Technology" Award (1997).
- Yuri Rubinsky Memorial World Wide Web Award, presented at the 6th Annual International World-Wide-Web Conference (1997).
- Telecommunications Access Advisory Committee, U.S. Access Board, Outstanding Contribution Award (1996-1997).
- Access Award, American Foundation for the Blind (1991).
- Outstanding Faculty Award, McBurney Disability Resource Center, University of Wisconsin-Madison, (1991).
- Ragnar E. Onstad Service to Society Award, College of Engineering, University of Wisconsin-Madison (1989).
- RESNA Distinguished Service Award, Rehabilitation Engineering Society of North America (1978, 1985, 1989).
- Kishpaugh Award, Center for Computers and the Disabled, Dallas, Texas (1987).
- American Speech-Language-Hearing Foundation Outstanding Clinical Achievement Award (1985).
- Wisconsin Speech, Language, and Hearing Association Clinical Achievement Award (1985).
- 2nd Julia M. Watson Lecturer in Rehabilitation Medicine, University of Maine (1984).
- National Council on Communicative Disorders Research Award (1984).

- National Easter Seal Society Certificate of Honor (1984).
- American Speech-Language-Hearing Association Certificate for Significant Contribution (1981).
- American Speech & Hearing Association Certificate of Appreciation (1978).
- Isabelle and Leonard H. Goldenson Award for Outstanding Research in Medicine and Technology (1978).
- United Cerebral Palsy Association Manmade Environment Award (1977).
- Wisconsin Alumni Research Foundation Fellow (1973-74).
- Department of Electrical & Computer Engineering Fellowship (1972-73).
- Polygon Outstanding Senior Student (1972).
- General Motors Scholar (1971).
- Alcoa Honor Scholarship (1970).

Patents Issued

Jordan, J. B., Kelso, D. P., & Vanderheiden, G. C. (2018). Tactile interface system for manipulation of a touch screen. US Patent 9,952,762.

Jordan, J. B., Kelso, D. P., & Vanderheiden, G. C. (2018). Tactile Interface. US Patent D808,390.

Jordan, J.B. & Vanderheiden, G.C. "Method for providing an individual increased accessibility to a touch screen" U.S. Patent No. 9,195,328 (issued November 24, 2015).

Jordan, J.B. & Vanderheiden, G.C. "Device for providing improved access to the functions of human machine interfaces." U.S. Patent No. 8,368,664 (issued Feb. 5, 2013).

Jordan, J.B. & Vanderheiden, G.C. "Device for providing improved access to the functions of human machine interfaces." U.S. Patent No. 8,115,741 (issued Feb. 14, 2012).

Pepin, G., Pare, Alain, et al. "Digital audio book cartridge and player with manipulation-facilitating features." U.S. Patent No. 8,049,991 (issued Nov. 1, 2011).

Jordan, J.B., Vanderheiden, G.C., & Kelso, D.P. "Keyboard." U.S. Patent No. D633,506 (issued Mar. 1, 2011).

Jordan, J.B., Vanderheiden, G.C., & Kelso, D.P. "Keyboard." U.S. Patent No. D613,746 (issued Apr. 13, 2010).

Jordan, J.B., Vanderheiden, G.C., & Kelso, D.P. "Keyboard." U.S. Patent No. D603,865 (issued Nov. 10, 2009).

Pepin, G., Pare, Alain, et al. "Player." U.S. Patent No. D582,430 (issued Dec. 9, 2008).

Pepin, G., Pare, Alain, et al. "Cartridge." U.S. Patent No. D579,940 (issued Nov. 4, 2008).

Vanderheiden, G.C., Law, C.M., & Kelso, D.P. "Interface for electronic devices providing improved access for people with disabilities," U.S. Patent No. 6,624,803 (issued Sept. 23, 2003).

Vanderheiden, G.C. "Touch screen for the vision-impaired." U.S. Patent No. 6,384,743 (issued May 7, 2002).

Vanderheiden, G.C., Law, C.M., & Kelso, D.P. "Control panel for individual with disabilities." U.S. Patent No. D451,482 (issued Dec. 4, 2001).

Vanderheiden, G.C. "Flexible access system for touch screen devices." U.S. Patent No. 6,049,328 (issued Apr. 11, 2000).

Gunderson, J., Kelso, D.P., & Vanderheiden, G. "Long range optical pointing for video screens," U.S. Patent No. 4,591,841 (issued May 27, 1986).

Vanderheiden, G.C., Lamers, D.F., Geisler, C.D., & Volk, A.M. "Auto-monitoring communication devices for handicapped persons," U.S. Patent No. 3,854,131 (issued Dec. 10, 1974).

Standards Developed

- ANSI/HFES 200 Human Factors Engineering of Software User Interfaces.
- ISO/IEC 24752 Information Technology - Universal Remote Console (5-part standard)

- ANSI/INCITS 389 to 393-2005 Protocol to Facilitate Operation of Information and Electronic Products through Remote and Alternative Interfaces and Intelligent Agents (5 standards)
- GIDEI Standard for General Input Device Emulating Interfaces.
- KEI Standard for Keyboard Emulating Interfaces.
- Serial Control Standard for Electronic Control of Power Wheelchairs (now ISO M3s).
- SET Standard for Electrical Interconnections for Augmentative Communication and Control Aids.
- W3C Web Content Accessibility Guidelines 1.0.
- W3C Web Content Accessibility Guidelines 2.0.

Publications

Books and Chapters

Vanderheiden, G. C., Treviranus, J. (in 2023) "Universal Interfaces and Information Technology" in Mihailidis A., and Smith, R., (Eds) *Rehabilitating Engineering Principles and Practice.* CRC Press, Taylor and Francis, Oxon, UK

Vanderheiden, G., Lazar, J., Lazer, A., Kacorri, H., Jordan, J. B, (2022) "Technology and Disability, 50 years of Trace R&D Center Contributions and Lessons Learned., Springer, Cham, Switzerland.

Vanderheiden, G. C. & Jordan, J. B, Lazar, J. (2020). Design for people with functional limitations. In G. Salvendy (Ed.), *Handbook of Human Factors and Ergonomics* (Chapter 47). New York: Wiley.

Vanderheiden, G. C. & Jordan, J. B. (2012). Design for people with functional limitations. In G. Salvendy (Ed.), *Handbook of Human Factors and Ergonomics* (pp. 1409-1441). New York: Wiley.

Caldwell, B. & Vanderheiden, G. (2011). Access to Web Content by Those with Disabilities and Others Operating under Constrained Conditions. In K. P. L. Vu and R. W. Proctor (Eds.), *Handbook of Human Factors in Web Design* (pp. 371-401) Boca Raton: FL: CRC Press.

Vanderheiden, G.C. (2009). Accessible and usable design of information and communication technologies. In C. Stephanidis (Ed.), *The Universal Access Handbook* (pp. 3-1 to 3-26) Boca Raton, FL: CRC Press.

Vanderheiden, G.C. (2009). Standards and guidelines. In C. Stephanidis (Ed.), *The Universal Access Handbook* (pp. 54-1 to 54-21) Boca Raton, FL: CRC Press.

Vanderheiden, G. C. (2006). Design for people with functional limitations. In G. Salvendy (Ed.), *Handbook of Human Factors and Ergonomics* (pp. 1387-1417). New York: Wiley.

Vanderheiden, G. (2005). Access to Web content by those operating under constrained conditions. In R. W. Proctor & K. P. L. Vu (Eds.), *Handbook of Human Factors in Web Design* (pp. 267-283). London: Taylor and Francis.

Vanderheiden, G. (2004). Universal access. In Bainbridge, W.S. (Ed.), *Berkshire Encyclopedia of Human-Computer Interaction* (pp.744-750). Great Barrington, MA: Berkshire.

Gilman, A., Vanderheiden, G.C., & Zimmermann, G. (2002). State of the science: Internet-based personal services on demand. In *Emerging and Accessible Telecommunications, Information and Healthcare Technologies* (pp. 62-70). Arlington, VA: RESNA Press.

Vanderheiden, G., Harkins, J., & Barnicle, K. (2002). State of the science: Access to telecommunication technologies. In J.M. Winters, C. Robinson, R. Simpson & G. Vanderheiden (Eds.), *Emerging and Accessible Telecommunications, Information and Healthcare Technologies* (pp. 185-219). Arlington, VA: RESNA Press.

Vanderheiden, G., & Zimmermann, G. (2002). State of the science: Access to information technologies. In J.M. Winters, C. Robinson, R. Simpson & G. Vanderheiden (Eds.), *Emerging and Accessible Telecommunications, Information and Healthcare Technologies* (pp. 152-184). Arlington, VA: RESNA Press.

Vanderheiden, G. (2002). Interaction for diverse users. In J. Jacko & A. Sears (Eds.) *Human-Computer Interaction Handbook* (pp. 397-400). Mahwah, NJ: Erlbaum.

Law, C., & Vanderheiden, G. (2001). Recent legislative development in the USA. In *Bridging the Gap?: Access to Telecommunications for All People* (pp. 168-169).Switzerland: Presses Centrales.
Law, C., & Vanderheiden, G. (2001). The situation in the USA. *In Bridging the Gap?: Access to Telecommunications for All People* (pp. 104-115).Switzerland: Presses Centrales.
Stephanidis, C., Akoumianakis, A., Vernardakis, N., Emiliani, P., Vanderheiden, G., Ekberg, J., et al. (2001). Industrial policy issues. In C. Stephanidis (Ed.), *User Interfaces for All: Concepts, Methods, and Tools* (pp. 589-608). Mahwah, NJ: Lawrence Erlbaum Associates, Inc.
Stephanidis, C., Salvendy, G., Akoumianakis, D., Bevan, N., Brewer, J., Emiliani, P., Galetsas, A., et al. (2001). Toward an information society for all: An international research and development agenda. In C. Stephanidis (Ed.), *User Interfaces for All: Concepts, Methods, and Tools* (pp. 635-663). Mahwah, NJ: Lawrence Erlbaum.
Vanderheiden, G., & Henry, S. L. (2001). Everyone interfaces. In C. Stephanidis (Ed.), *User Interfaces for All: Concepts, Methods, and Tools* (pp. 115-133). Mahwah, NJ: Lawrence Erlbaum.
Vanderheiden, G. (2001). Fundamentals and priorities for design of information and telecommunication technologies. In W. F. E. Preiser & E. Ostroff (Eds.), *Universal Design Handbook* (pp. 65.3-65.15). New York: McGraw Hill.
Vanderheiden, G. (2001). Telecommunications—Accessibility and future directions. In C. Nicolle & J. Abascal (Eds.), *Inclusive Design Guidelines for HCI* (pp. 239-257). London: Taylor & Francis.
Vanderheiden, G.C. (2001). Development of generic accessibility/ability usability design guidelines for electronic and information technology products. In *Universal Access in HCI: Towards an Information Society for All* (pp. 635-639). Mahwah, NJ: Lawrence Erlbaum.
Romich, B., Vanderheiden, G., & Hill, K. (2000). Augmentative and alternative communication. In J. Bronzino (Ed.), *The Biomedical Engineering Handbook* (Vol. II, pp. 144-1-144-8). Boca Raton, FL: CRC Press LLC.
Fagerberg, G., Kung, A., Wichert, R., Tazari, M.-R., Jean-Bart, Br., Bauer, G., Zimmermann, G., Furfari, F., Potorti, F ., Chessa, S., Hellenschmidt, M., Gorman, J., Alexandersson, J., Bund, J., Carrasco, E., Epelde, G., Klíma, M., Urdaneta, E., Vanderheiden, G ., & Zinnikus, I. (Nov. 2010). Platforms for AAL
Bower, R., Kaull, J., Sheikh, N., & Vanderheiden, G. (Eds.). (1998). *Trace Resource Book: Assistive Technologies for Communication, Control & Computer Access (1998-99 Edition)*. Madison, WI: Trace R&D Center, University of Wisconsin-Madison.
Law, C., & Vanderheiden, G.C. (1998). Accessibility of information/transaction machines (ITMs): results of a research project by the Trace R&D Center for the US Access Board. In *Improving the Quality of Life for the European Citizen: Technology for Inclusive Design and Equality* (pp. 46-51). Amsterdam: IOS Press.
Vanderheiden, G.C. (1998). Universal remote console communication protocol (URCC). In *Improving the Quality of Life for the European Citizen: Technology for Inclusive Design and Equality* (pp. 368-373). Amsterdam: IOS Press.
Vanderheiden, G. C. (1998). Presente y futuro de la accesibilidad a Internet. In J. A. Gonzalez & A. Arruabarrena (Eds.), *Novatica Iformatica y Discapacidades* (p. 136). Spain.
Vanderheiden, G.C., & Law, C. (1998). EZ access strategies for cross-disability access to kiosks, telephones and VCRs. In *Improving the Quality of life for the European Citizen: Technology for Inclusive Design and Equality* (pp. xxxi-xl). Amsterdam: IOS Press.
Vanderheiden, G. (1997). Design for people with functional limitations due to disability, aging, or circumstances. In G. Salvendy (Ed.), *Handbook of Human Factors and Ergonomics* (pp. 2010-2052). New York: John Wiley & Sons.
Vanderheiden, G. (1996). Development of a multisensory visual interface to computers for blind users. In *Human Factors Perspectives on Human-Computer Interactions: Selections from Human Factors and Ergonomics Society Annual Meeting Proceedings, 1983-1994*. Santa Monica, California: Human Factors and Ergonomics Society.

Vanderheiden, G. C. (1996). Computer access and use by people with disabilities. In J. C. Galvin & M. J. Scherer (Eds.), *Evaluating, Selecting, and Using Appropriate Assistive Technology* (pp. 237-276). Gaithersburg, MD: Aspen Publishers, Inc.

Romich, B., & Vanderheiden, G. (1995). Augmentative communication/control/computer access. In J. Bronzino (Ed.), *The Biomedical Engineering Handbook*, (pp. 2110-2117). Boca Raton, FL: CRC Press, Inc.

Borden, P., Lubich, J., & Vanderheiden, G. (Eds.) (1995). *Trace Resource Book: Assistive Technologies for Communication, Control & Computer Access (1996-97 Edition)*. Madison, WI: Trace R&D Center, University of Wisconsin-Madison.

Borden, P., Fatherly, S., Ford, K., & Vanderheiden, G. (Eds.) (1993). *Trace resource book: assistive technologies for communication, control & computer access (1993-94 Edition)*. Madison, WI: Trace R&D Center, University of Wisconsin-Madison.

Vanderheiden, G. (1992). A brief look at technology and mental retardation in the 21st century. In L. Rowitz (Ed.), *Mental retardation in the year 2000* (pp. 268-278). New York: Springer-Verlag, Inc.

Berliss, J., Borden, P., & Vanderheiden, G. (Eds.) (1989). *Trace resource book: assistive technologies for communication, control & computer access (1989-90 Edition)*. Madison, WI: Trace R&D Center, University of Wisconsin-Madison.

Borden, P., & Vanderheiden, G. (Eds.) (1988). *ResourceBook4: Update to Books 1, 2, and 3 (Rehab/Education Technology ResourceBook Series: Communication, control, and computer access for disabled and elderly individuals).* Madison, WI: Trace R&D Center, University of Wisconsin-Madison.

Brandenburg, S., & Vanderheiden, G. (1987). Communication board design and vocabulary selection. In L. E. Bernstein (Ed.), *The vocally impaired: Vol. I, Clinical research and practice.* Academic Press.

Brandenburg, S., & Vanderheiden, G. (Eds.) (1987). *ResourceBook 1: Communication aids. (Rehab/Education Technology ResourceBook Series: Communication, control, and computer access for disabled and elderly individuals)*. San Diego: College-Hill Press.

Brandenburg, S., & Vanderheiden, G. (Eds.) (1987). *ResourceBook 2: Switches and environmental controls (Rehab/Education Technology ResourceBook Series: Communication, control, and computer access for disabled and elderly individuals)*. San Diego: College-Hill Press.

Brandenburg, S., & Vanderheiden, G. (Eds.) (1987). *ResourceBook 3: Software and hardware (Rehab/Education Technology ResourceBook Series: Communication, control, and computer access for disabled and elderly individuals)*. San Diego: College-Hill Press.

Cress, C., Yoder, D., & Vanderheiden, G. (1987). Computers in communicative disorders. In J. G. Webster (Ed.), *The encyclopedia of medical devices and instrumentation*. New York: John Wiley and Sons, Inc.

Vanderheiden, G. (1987). A quantitative modeling approach for analysis of augmentative communication techniques and aids. In L. E. Bernstein (Ed.), *The vocally impaired: Vol. II, Basic research and technology.* Academic Press.

Vanderheiden, G. C. (1987). Issues in planning a statewide technology service delivery program for special education. In C. A. Coston (Ed.), *Planning and implementing augmentative communication service delivery [Proceedings of the National Planners Conference on Assistive Device Service Delivery]* (pp. 24-29). Washington, DC: RESNA.

Vanderheiden, G. (1987). Advanced technology aids for communication, education, and employment. In E. T. McDonald (Ed.), *Cerebral palsy: Nature, pathogenesis, and management*. Baltimore: University Park Press.

Vanderheiden, G. C. & Yoder, D. E. (1986). Overview. In S. W. Blackstone & D. M. Bruskin (Eds.), *Augmentative communication: An introduction* (p. 1-28). Rockville, MD: American Speech, Language, and Hearing Association.

Vanderheiden, G. C., & Lloyd, L. L. (1986). Communication systems and their components. In S. W. Blackstone & D. M. Bruskin (Eds.), *Augmentative communication: An introduction* (p. 49-161). Rockville, MD: American Speech, Language, and Hearing Association.

Vanderheiden, G., & Dolan, T. (1985). Promises and concerns of technological intervention for children with disabilities. In *Developmental handicaps: Prevention and treatment III* (pp. 23-42). Silver Spring, MD: American Association of University Affiliated Programs.
Webster, J. G., Cook, A., Tompkins, W., & Vanderheiden, G. (Eds.) (1985). *Electronic devices for rehabilitation.* London: Chapman and Hall.
Vanderheiden, G., Bengston, D., Brady, M., & Walstead, L. (1984). *International software/ hardware registry*. University of Wisconsin: Trace R&D Center.
Vanderheiden, G. (1980). Augmentative modes of communication for the severely speech and motor impaired. In M. Urist (Ed.), *Congenital malformation - its clinical management; clinical, orthopedic, and related research* (Number 148).
Harris-Vanderheiden, D., & Vanderheiden, G. (1980). Augmentative communication techniques. In R. Schiefelbusch (Ed.), *Non-speech language and communication: Analysis and Intervention intervention* (pp. 259-301). Baltimore: University Park Press.
Harris, D., & Vanderheiden, G. (1980). Enhancing the development of communicative interaction. In R. Schiefelbusch (Ed.), *Non-speech language and communication, analysis and intervention* (pp. 227-257). Baltimore: University Park Press.
Harris, D., Lippert, J., Yoder, D., & Vanderheiden, G. (1979). Blissymbolics, an augmentative system for non-verbal severely handicapped children. In R. York and E. Edgar (Eds.), *Teaching the severely handicapped (Vol. IV)*.
Vanderheiden, G. (1979). Developing communication skills in non-vocal physically or multiply handicapped children and adults. In R. York and E. Edgar (Eds.), *Teaching the severely handicapped (Vol. IV)*.
Vanderheiden, G., & Harris-Vanderheiden, D. (1979). Basic considerations in the development of communicative and interactive skills for non-vocal severely handicapped children. In E. L. Meyen (Ed.), *Basic readings in the study of exceptional children and youth* (pp. 489-507). Denver, CO: Love Publishing Company.
Vanderheiden, G. (Ed.) (1978). *Non-vocal communication resource book*. Baltimore: University Park Press.
Vanderheiden, G., & Harris-Vanderheiden, D. (1977). Basic considerations in the development of communicative and interactive skills for non-vocal severely handicapped children. In E. Sontag, J. Smith, & N. Certo (Eds.), *Educational programming for the severely and profoundly handicapped.* Reston, VA: Division on Mental Retardation of the Council for Exceptional Children.
Vanderheiden, G., & Harris-Vanderheiden, D. (1976). Communication techniques and aids for the non-vocal physically handicapped. In L. Lloyd (Ed.), *Communication assessment and intervention techniques*. Baltimore, MD: University Park Press.
Vanderheiden, G., & Grilley, K. (Eds.) (1976). *Non-vocal communication techniques and aids for the severely physically handicapped*. Baltimore, MD: University Park Press.

Papers (Selected)

Szopa, A., Vanderheiden, G. (2020) The Importance of Computer Auto Personalization, in Ahram, T. & Falcão, C., Advances in Usability, User Experience, Wearable and Assistive Technology. Springer, C
Vanderheiden, G. Lazar, J., Jordan, JB, Ding, Y., Wood R. (2020). Morphic: Auto-Personalization on a Global Scale, ACM CHI (Computer-Human Interaction) 2020. New York: ACM Press.
Vanderheiden G.C., Jordan J.B. (2019) Multi-faceted Approach to Computer Simplification via Personalization and Layering. In: Antona M., Stephanidis C. (eds) Universal Access in Human-Computer Interaction. Theory, Methods and Tools. HCII 2019. Lecture Notes in Computer Science, vol 11572. Springer, Cham

Vanderheiden, G., Jordan, JB, (2019) Personalization and Layering to Simplify Computer Accessibility, proceedings of the 21st International ACM SIGACCESS Conference on Computers and Accessibility

Kocsis, O., Mousstakas, K., Foakotakis, N., Vassiliou, C., Toska, A., Vanderheiden, G., Stergiou, A. (2019) SmartWork: designing a smart age-friendly living and working environment for office workers, Proceedings of the 12th ACM International Conference on Pervasive Technologies Related to Assistive Environments, ACM June 2019 Pages 435–441

Szopa A.M., Jordan J.B., Folmar D.J., Vanderheiden G.C. (2020) The Auto-Personalization Computing Project in Libraries. In: Ahram T., Falcão C. (eds) Advances in Usability and User Experience. AHFE 2019. Advances in Intelligent Systems and Computing, vol 972. Springer, Cham

Amaxilatis, D., Tsironis, N., Vassiliou , C., Kocsis, O. Pardal, A., Quintas, J., Marcos, H., Vanderheiden, G., Akker, H. (2019) An IoT enabled Unobtrusive Worker Health, Well-Being and Functional Ability Monitoring Framework Proceeding of the Poster and Workshop Sessions of AmI-2019, the 2019 European Conference on Ambient Intelligence. Rome, Italy, November 201

Wobbrock, J., Gajos, K, Kane s., and Vanderheiden G..(2018). Ability-based design. Communications of the ACM 61, 6 (May 2018), 62-71. DOI: https://doi.org/10.1145/3148051

Jordan J.B, Vanderheiden G, Kaine-Krolak M., Roberts V. (2018) A pilot study of computer auto-personalization at American job centers Journal on Technology & Persons with Disabilities (Mar 2018) 247-260 ISSN 2330-4216

Leligou, H., Panagiotis, A., Tsakou, G., Vanderheiden, G., Touliou, K., Kocsis, O., Katevas, N., (2017) Generic platform for registration and online offering of assistance-on-demand (AoD) services in an inclusive infrastructure, Universal Access in the Information Society Dec. 2017

^Jia Zhou, Amrish Chourasia & Gregg Vanderheiden (2017) Interface Adaptation to Novice Older Adults' Mental Models through Concrete Metaphors, International Journal of Human–Computer Interaction, 33:7, 592-606, DOI: 10.1080/10447318.2016.1265827

^Jordan, J. B. & Vanderheiden, G. C. (2017) Towards Accessible Automatically Generated Interfaces Part 1: An Input Model that Bridges the Needs of Users and Product Functionality. In J. Zhou & G. Salvendy (eds) *Human Aspects of IT for the Aged Population. Aging, Design and User Experience* (pp 129-146). Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 10297. Springer, Cham.

^Jordan, J. B. & Vanderheiden, G. C. (2017) Towards Accessible Automatically Generated Interfaces Part 2: Study with Model-Based Self-Voicing Interfaces. In J. Zhou & G. Salvendy (eds) *Human Aspects of IT for the Aged Population. Aging, Design and User Experience* (pp 110-128). Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 10297. Springer, Cham.

^Ding,Y. Jordan, J.B., Vanderheiden, G., (2017) Harvesting Assistive Technology Vocabularies: Methods and Results from a Pilot Study. In Proceedings of the International Conference on Human Aspects of IT for the Aged Population, J. Zhou and G. Salvendy (Eds.): ITAP 2017, Part II, LNCS 10298, pp. 350-361 Springer

Ayotte D., Brennan M., Frishberg N., Jimes C., Petrides L., Quesenbery W., Rothberg M., Reinkensmeyer D, Blackstone S, Bodine C, Brabyn J, Brienza D, Caves K, DeRuyter F, Durfee E, Fatone S, Fernie G, Gard G, Karg G, Kuiken T, Harris G, Jones G, Li Y, Maisel J, McCue M,. Meade M, Mitchell H, Mitzner T, Patton J, Requejo P, Rimmer J, Rogers W, Rymer W, Sanford J, Schneider L, Sliker L, Sprigle S, Steinfeld A, Steinfeld E, Vanderheiden G, Winstein C, Zhang L and Corfman T. (2017) "How a diverse research ecosystem has generated new rehabilitation technologies" in Journal of NeuroEngineering and Rehabilitation 14:109

Ortega-Moral, M., Rivero, J., Gutiérrez, J., Iglesias, A., Suárez, P., Peinado, I., De Lera, E., Zaldua, C., Vanderheiden, G., Feed3: A Strategy for a 3-Direction Connection Among AT Consumers and Developers (2017) Studies in health technology and informatics 242:1055-1058

Schwerdtfeger R., Tobias J., Treviranus J., Trewin S., Vanderheiden G. (2016) , "A Tool for Capturing Essential Preferences" in the ASSETS '16: Proceedings of the 18th International ACM SIGACCESS Conference on Computers and Accessibility

^Chen K.B., Sesto M., Ponto K., Leonard J., Mason A., Vanderheiden G, Williams J., Radwin R (2016) Use of Virtual Reality Feedback for Patients with Chronic Neck Pain and Kinesiophobia, *IEEE in Transactions on Neural Systems & Rehabilitation Engineering*

^Ding Y, Chourasia A, Anson D, Atkins T, and Vanderheiden G. (2015) Understanding Decision Requirements for Selection of Assistive Technology. In 59th Annual Meeting of the Human Factors and Ergonomics Society, 160–164.

Chourasia, A., Tobias, J., Githens, S., & Vanderheiden, G. (2015). The Library-GPII-System: Reinventing accessibility in libraries. Interface. Retrieved from http://ascla.ala.org/interface/2015/03/the-library-gpii-system-reinventing-accessibility-in-libraries/

^Ding, Y, & Vanderheiden, G. (2014). Computerized decision support for people with disabilities: review and outlook. *Journal on Technology & Persons with Disabilities 2*, 134-143.

Chourasia, A, Nordsman, D., & Vanderheiden, G. (2014). State of the science on the Cloud, accessibility, and the future. *Journal of Universal Access in the Information Society* 13(4):483-495

Vanderheiden, G., Treviranus, J., Clark, C., Peissner, M., Tsakou, G. (2014) Prosperity as a Model for Next-Generation Accessibility in *Proceedings of the HCI International 2014,* Heraklion, Crete, Greece, June 22 - 27, 2014

Atkins, T., & Vanderheiden, G. (2014). Common Terms Registry. In C. Stephanidis & M. Antona (Eds.), Universal Access in Human-Computer Interaction. Design for All and Accessibility Practice (pp. 348–357). Switzerland: Springer International Publishing.

Vanderheiden, G., Treviranus, J., Ortega-Moral, M., Peissner, M., & Lera, E. de. (2014). Creating a Global Public Inclusive Infrastructure (GPII). In C. Stephanidis & M. Antona (Eds.), Universal Access in Human-Computer Interaction. Design for All and Accessibility Practice (pp. 506–515). Switzerland: Springer International Publishing.

Lee, S., Vanderheiden, G. C., & Chourasia, A. (2014). AT and GPII: Maavis. In C. Stephanidis & M. Antona (Eds.), Universal Access in Human-Computer Interaction. Design for All and Accessibility Practice (pp. 412–420). Switzerland: Springer International Publishing.

Ortega-Moral, M., Peinado, I., & Vanderheiden, G. (2014). Cloud4all: Scope, Evolution and Challenges. In C. Stephanidis & M. Antona (Eds.), Universal Access in Human-Computer Interaction. Design for All and Accessibility Practice (pp. 421–430). Switzerland: Springer International Publishing.

Peissner, M., Vanderheiden, G., Treviranus, J., & Tsakou, G. (2014). Prosperity4All – Setting the Stage for a Paradigm Shift in eInclusion. In C. Stephanidis & M. Antona (Eds.), Universal Access in Human-Computer Interaction. Design for All and Accessibility Practice (pp. 443–452). Switzerland: Springer International Publishing.

Schwerdtfeger, R., Vanderheiden, G., Treviranus, J., Clark, C., Mitchell, J., Petrides, L., … Brennan, M. (2014). PGA: Preferences for Global Access. In C. Stephanidis & M. Antona (Eds.), Universal Access in Human-Computer Interaction. Design for All and Accessibility Practice (pp. 325–336). Switzerland: Springer International Publishing.

Vanderheiden, G., Gower, V., & Chourasia, A. (2014). The GPII Unified Listing. In C. Stephanidis & M. Antona (Eds.), Universal Access in Human-Computer Interaction. Design for All and Accessibility Practice (pp. 516–525). Switzerland: Springer International Publishing.

Treviranus, J., Clark, C., Mitchell, J., & Vanderheiden, G. (2014). Prosperity4All – Designing a Multi-Stakeholder Network for Economic Inclusion. In C. Stephanidis & M. Antona (Eds.), Universal Access in Human-Computer Interaction. Design for All and Accessibility Practice (pp. 453–461). Switzerland: Springer International Publishing.

Vanderheiden, G., Chourasia, A., Ding, Y., Tobias, J., & Anson, D. (2014). Rehabilitation Engineering and Research Center on Universal Interface and Information Technology Access. In C. Stephanidis & M. Antona (Eds.), Universal Access in Human-Computer Interaction. Design for All and Accessibility Practice (pp. 483–493). Switzerland: Springer International Publishing.

Vanderheiden, G., Chourasia, A., Tobias, J., & Githens, S. (2014). The Library GPII System. In C. Stephanidis & M. Antona (Eds.), Universal Access in Human-Computer Interaction. Design for All and Accessibility Practice (pp. 494–505). Switzerland: Springer International Publishing.

^Zimmermann, G., Vanderheiden, G., & Strobbe, C. (2014). Towards Deep Adaptivity – A Framework for the Development of Fully Context-Sensitive User Interfaces. In C. Stephanidis & M. Antona (Eds.), Universal Access in Human-Computer Interaction. Design and Development Methods for Universal Access (pp. 299–310). Switzerland: Springer International Publishing.

Vanderheiden, G., Treviranus, Markus, K., Clark, C., & Basman, A. (2013). The Global Public Inclusive Infrastructure, Cloud4all and Prosperity4all. In P. Encarnação, et al. (Eds.), *Assistive Technology Research Series, Vo. 33: Assistive Technology: From Research to Practice* (pp. 417-422). IOS Press. doi: 10.3233/978-1-61499-304-9-417

Vanderheiden, G., Treviranus, J., Gemou, M., Bekiaris, E., Markus, K., Clark, C., & Basman, A. (2013). The evolving Global Public Inclusive Infrastructure (GPII). In C. Stephanidis & M. Antona (Eds.), *Lecture Notes in Computer Science: Vol. 8009. Universal Access in Human-Computer Interaction: Design Methods, Tools, and Interaction Techniques for eInclusion* (pp. 107-116). Berlin, Germany: Springer-Verlag. doi:10.1007/978-3-642-39188-0_12

Vanderheiden, G., Treviranus, J., & Chourasia, A. (2013). The Global Public Inclusive Infrastructure (GPII). In *Proceedings of the 15th International ACM SIGACCESS Conference on Computers and Accessibility* (Article No. 70). New York: ACM. doi:10.1145/2513383.2513395

^Harrington, R., & Vanderheiden, G. (2013). Crowd Caption Correction (CCC). In *Proceedings of the 15th International ACM SIGACCESS Conference on Computers and Accessibility* (Article No. 45). New York: ACM. doi:10.1145/2513383.2513413

^Jordan, J.B., & Vanderheiden, G. (2013). Modality-Independent Interaction Framework for Cross-Disability Accessibility. In P.L.P. Rau (Ed.), *Lecture Notes in Computer Science: Vol. 8023. Cross-Cultural Design: Methods, Practice and Case Studies* (pp. 218-227). Berlin, Germany: Springer-Verlag. doi:10.1007/978-3-642-39143-9_24

Gower, V., Vanderheiden, G. & Andrich, R. (2013). Federating Databases of ICTbased Assistive Technology Products.In P. Encarnação, L. Azevedo, G. Gelderblom, et al (Ed.), Assistive Technology: From Research to Practice (33) (pp. 13451351). Amsterdam: IOS Press.

Gemou, M., Bekiaris, E., & Vanderheiden, G. (2013). Autoconfiguration through Cloud: Initial Case Studies for Universal and Personalised Access for All.In P. Cunningham, M. Cunningham (Ed.), ISTAfrica 2013 Conference Proceedings (pp. 93). Dublin: International Information Management Corp.

Vanderheiden, G. (2013). Lessons learned in technology transfer: FOCUS Technical Brief 37. Amherst, NY: SEDL/Center for Assistive Technology.

^Felton, E.A., Williams, J.C., Vanderheiden, G., & Radwin, R.G. (2012). Mental workload during brain-computer interface training. *Ergonomics 55*(5), 526-537.

Shane, H.C., Blackstone, S., Vanderheiden, G., Williams, M., & DeRuyter, F. (2012). Using AAC technology to access the world. *Assistive Technology, 24*(1), 3-13.

Vanderheiden, G., Treviranus, J., Martinez, J., Bekiaris, E. Gemou, M. & Chourasia, A. (2012) Auto-personalization: Theory, practice and cross-platform implementation. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, September 2012, 45*(1). 926-930. Boston, MA. Santa Monica: Human Factors and Ergonomics Society.

Epelde, G., Carrasco, E., Rajasekharan, S., Zimmermann, G., Alexandersson, J., Bund, J., Vanderheiden, G. (2012). Open standards based public procurement policy for large market uptake and new entrants barrier lowering. Proceedings of the AAL Summit 2012. Bilbao, Spain.

Vanderheiden, G. (2012). Literacy, digital literacy, and disability barriers and solutions to ICT use in developing countries: Report of the workshop coordinated by Raising the FloorInternational. WSIS Forum 2012 Outcome Document. Geneva, Switzerland: World Summit on the Information Forum.

Epelde, G., Carrasco, E., Rajasekharan, S., Zimmermann, G. Alexandersson, J., Bund, J., & Vanderheiden, G. (Jun. 2012). *Open standards based public procurement policy for large market uptake and new entrants barrier lowering*. In: Proceedings of the AAL Summit 2012, June 27-29, 2012, Bilbao, Spain.

Emiliani, P.L.,Stephanidis, C., & Vanderheiden, G. (2011). Technology and inclusion – Past, present and foreseeable future. *Technology and Disability, 23*(3), 101-114.

Irwin, C.B., Yen, T.Y., Meyer, R.H., Vanderheiden, G.C., Kelso, D.P., Sesto, M.E. (2011). Use of force plate instrumentation to assess kinetic variables during touch screen use. *Universal Access in the Information Society 10*(4), 453-460.

Vanderheiden, G., Treviranus, J., Martinez, J.A., Bekiaris, E. & Gemou, M. (2011). Creating a Global Public Inclusive Infrastructure (CLOUD4All & GPII). *Proceedings of 2nd International Ægis Conference* (pp. 92-101). Brussels: Ægis. (http://www.epr.eu/aegis/?cat=46)

Vogler, C., McWhinney, J., Harper, P., Raike, A., Hellstrom, G. & Vanderheiden, G. (2011). Video relay service practices and policies around the world. *Proceedings of 2nd International Ægis Conference* (pp. 216-223). Brussels: Ægis. (http://www.epr.eu/aegis/?cat=46)

Vanderheiden, G., & Treviranus, J. (2011). Cloud-based auto-personalization for more universal accessibility. In G. J. Gelderblom, et al. (Eds.), *Assistive Technology Research Series: Everyday Technology for Independence and Care – AAATE 2011* (pp. 1233-1240). Amsterdam: IOS Press.

Hoehl, J., & Vanderheiden, G. (2011). From clouds to rain: Consolidating and simplifying online communication services with Easy One Communicator. In C. Stephanidis (Ed.), *Universal Access in Human-Computer Interaction: Applications and Services; 6th International Conference UAHCI 2011, held as part of HCI International 2011, Orlando, FL, USA, July 9-14, 2011; Proceedings, Part IV* (pp. 52-61). Berlin-Heidelberg: Springer.

Vanderheiden, G., & Treviranus, J. (2011). Creating a Global Public Inclusive Infrastructure. In C. Stephanidis (Ed.), *Universal Access in Human-Computer Interaction: Design for All and eInclusion; 6th International Conference UAHCI 2011, held as part of HCI International 2011, Orlando, FL, USA, July 9-14, 2011; Proceedings, Part I* (pp. 517-526). Berlin-Heidelberg: Springer.

^Jordan, J. B., & Vanderheiden, G. (2010). Accessibility experience lab: Discovering the impact of design on disabilities. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, September 2010, 54*(19)*,* 1396-1400. San Francisco, CA. Santa Monica: Human Factors and Ergonomics Society.

Vanderheiden, G. (2010). National Public Inclusive Infrastructure. In *Proceedings of the 25th Annual International Technology and Persons with Disabilities Conference.*

Vanderheiden, G. (2009). Using distributed processing to create more powerful, flexible and user matched accessibility services. In J. Jacko, C. Stephanidis, et al (Eds.), *Proceedings of the 13th International Conference, HCI International 2009.* San Diego: Springer.

Vanderheiden, G. (2009). Ubiquitous accessibility: Building access features directly into the network to allow anyone, anywhere access to ubiquitous computing environments. In J. Jacko, C. Stephanidis, et al (Eds.), *Proceedings of the 13th International Conference, HCI International 2009.* San Diego: Springer.

Vanderheiden, G. (2009). Raising the Floor: A collaborative open-source approach to providing access to all languages and to all economic levels. *Proceedings of the 2009 AAATE Conference.* Florence, Italy: AAATE.

Bund, J., Vanderheiden, G., Zimmermann, G., et al. (2010). OpenURC: Standardisation towards user interfaces for everyone, everywhere, on anything. *Proceedings of 1st International Ægis Conference* (pp. 268-275)*.* Spain: University of Seville.

Vanderheiden, G. (2009). RaisingTheFloor.Net - Building access for all directly into the Internet. In *Proceedings of the 24th Annual International Technology and Persons with Disabilities Conference.*

Caldwell, B., Cooper, M., Reid, L. G., Vanderheiden, G., Chisholm, W., Slatin, J., & White, J. (Eds.). (2008). Web Content Accessibility Guidelines (WCAG) 2.0. W3C. Retrieved from http://www.w3.org/TR/WCAG20/

Vanderheiden, G C. (2008). Ubiquitous accessibility, common technology core, and micro assistive technology. *ACM Transactions in Accessible Computing* 1(2), 10.1-7

Sesto, M.E., Nelson, R. K., Yan, L. & Vanderheiden, G.C. (2008). Evaluation of an experimental mainstream cellular phone feature to allow use by individuals with moderate to severe cognitive disabilities. *Universal Access in the Information Society, 7*, 25-30.

^Zimmermann, G., & Vanderheiden, G. (2008). Accessible design and testing in the application development process: Considerations for an integrated approach. *Universal Access in the Information Society, 7*(1-2), 117-128.

Vanderheiden, G. (2007). Barriers and opportunities for elders posed by emerging information and communication technologies. In *Proceedings of the 22nd Annual International Technology and Persons with Disabilities Conference.*

Vanderheiden, G. (2007). Redefining assistive technology, accessibility and disability based on recent technical advances. *Journal of Technology in Human Services, 25*(1/2), 147-158.

Vanderheiden, G., and Zimmermann, G. (2007, Aug). Non-homogenous Network, Control Hub and Smart Controller (NCS) Approach to Incremental Smart Homes. In: Springer LNCS , Volume 4555/2007.Universal Access in Human Computer Interaction. Ambient Interaction. Pages: 238-244. ISSN: 0302-9743 (print) 1611-3349 (Online). DOI: 10.1007 / 978-3-540-73281-5. ISBN: 978-3-540-73280-8. Springer, Berlin / Heidelberg, 2007.

^Zimmermann, G., and Vanderheiden, G. (2007, Aug). The Universal Control Hub: An Open Platform for Remote User Interfaces in the Digital Home. In: Springer LNCS , Volume 4551/2007. Human Computer Interaction. Interaction Platforms and Techniques. Pages: 1040-1049. ISSN: 0302-9743 (print) 1611-3349 (Online). DOI: 10.1007 / 978-3-540-73107-8. ISBN: 978-3-540-73106-1. Springer Berlin / Heidelberg, 2007.

Vanderheiden, G.C. (2006). Potential impact of new technologies on telecommunication for elders. *Generations: Journal of the American Society on Aging, XXX*(2), 9-12.

^Jordan, J.B., & Vanderheiden, G.C. (2006). New interoperability standard for AT control of devices using simple gamepad commands. In *Technology and Persons with Disabilities Conference 2006 California State University Northridge*.

Arditi, A., Vanderheiden, G. C., & Gordon, A. R. (2005). Proposal for an accessible color contrast standard for text on the World Wide Web. *Investigative Ophthalmology & Visual Science, 46* (Suppl), 2331.

Vanderheiden, G.C., Zimmermann, G., Blaedow, K., & Trewin, S. (2005). Hello, what do you do?: Natural language interaction with intelligent environments. In *11th International Conference on Human-Computer Interaction*, Mira Digital Publishing.

Vanderheiden, G. C., & Zimmermann, G. (2005). Use of user interface sockets to create naturally evolving intelligent environments. In *11th International Conference on Human-Computer Interaction*, Mira Digital Publishing.

^Zimmermann, G., and Vanderheiden, G. (2005, Jul.). Creating accessible applications with RUP. In: The Rational edge, July 2005, IBM developerWorks.

Vanderheiden, G.C. (2005). What's happening in internet telephony (VoIP): new opportunities or new barriers? In *CSUN Technology and Persons with Disabilities Conference*.

Wagner, J., Vanderheiden, G. C., & Sesto, M. (2005). Usability of enlarging techniques on a mainstream cellular phone by individuals with low vision. In *11th International Conference on Human-Computer Interaction*, Mira Digital Publishing.

Vanderheiden, G .; And Zimmermann, G. (2004, June). V2 - A New Industry Standard for Universal Interface Sockets. RESNA 27th International Conference; June 18-22, 2004; Orlando, Florida.

Gullikesen, J., Harker, S., & Vanderheiden, G. (2004). Guidelines, standards, methods and processes for software accessibility. *Universal Access in the Information Society, 3*(1),1-5.

LaPlant, B., Trewin, S., Zimmermann, G., & Vanderheiden, G. (2004). The Universal Remote Console: A Universal Access Bus for Pervasive Computing. *IEEE Pervasive Computing, 3*(1),76-80.

Trewin, S., Zimmermann, G., & Vanderheiden, G. (2004). Abstract representations as a basis for usable user interfaces. *Interacting with Computers, 16*(3),477-506.

Vanderheiden, G.C. (2004). Using extended and enhanced usability (EEU) to provide access to mainstream electronic voting machines. *Information Technology and Disabilities, 10*(2).

^Zimmermann, G .; Vanderheiden, G .; Gandy, M .; Laskowski, S .; Ma, M .; Trewin, S .; And Walker, M. (2004, Apr). Universal Remote Console Standard - Toward Natural User Interaction in Ambient Intelligence. "" Abstracts on Human Factors in Computing Systems, "" CHI2004 Conference on Human Factors in Computing Systems, Vienna, Austria, pp 1608-1609.

Gilman, A.H.S.K., LaPlant, B., Roeder, J., & Vanderheiden, G. (2004). Standardizing access interfaces for E & IT. In *International Conference on Aging, Disability and Independence: Conference Proceedings* (pp. 190-). Gainesville: University of Florida - Rehabilitation Engineering Research Center for Successful Aging.

LaPlant, B., & Vanderheiden, G.C. (2004). The alternative interface access protocol. In *CSUN Technology and Persons with Disabilities Conference*.

^Shen, J., & Vanderheiden, G. (2004). Study of input strategies for handheld devices among the elderly. In *International Conference on Aging, Disability and Independence: Conference Proceedings* (pp. 191-192). Gainesville: University of Florida - Rehabilitation Engineering Research Center for Successful Aging.

Vanderheiden, G. (2004). Mobile user interface technologies and challenges. In *Proceedings of the State of the Technology Conference on Mobile Wireless Technologies for Persons with Disabilities* (pp. 92-98).

Vanderheiden, G.C. (2004). Extended usability vs. accessibility in voting systems. In *RESNA 27th Annual Conference*.

Vanderheiden, G.C. (2004). Information technology access research at the Trace R&D Center. In *CSUN Technology and Persons with Disabilities Conference*.

Vanderheiden, G.C. (2004). Telecommunication access research at the Trace R&D Center. In *CSUN Technology and Persons with Disabilities Conference*.

Vanderheiden, G.C. (2004). V2- A new industry standard for universal interface sockets. In *RESNA 27th Annual Conference*.

Vanderheiden, G., Nelson, R., Yan, L., & Sesto, M. (2004). Strategies for mainstream cellular phone use by individuals with moderate to severe cognitive impairments. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, September 2004, 48*(6), 937-940. New Orleans, LA. Santa Monica: Human Factors and Ergonomics Society.

Trewin, S.T., Zimmerman, G., & Vanderheiden, G. (2003). Abstract user interface representations: How well do they support universal access? *Proceedings of the 2003 Conference on Universal Usability* (pp. 77-84). New York: Association for Computing Machinery.

LaPlant, B .; Trewin, S .; Zimmermann, G .; And Vanderheiden, G. (2003). The Alternative Interface Access Protocol: A Universal Access Bus for Pervasive Computing. IEEE Pervasive Computing, Vol. 1, Jan-Mar 2004 .

Trewin, S.T., Vanderheiden, G.C., & Zimmerman, G. (2003). A standard for describing device and device user interfaces for rendering on any device. In *Proceedings of the 2003 UIXML workshop.*

^Zimmerman, G., Beard, M., LaPlant, B., Laskowski, S., Nixon, T., Sitnik, E., et al. (2003). Towards a unified universal remote console standard. In *CHI 2003: New Horizons* (pp. 874-875). ACM Press.

^Zimmermann, G., Vanderheiden, G., & Gilman, A. (2003). Universal remote console - prototyping for the alternate interface access standard. In Universal Access. Theoretical Perspectives, Practice, and Experience. *7th ERCIM International Workshop on User Interfaces for All. Revised Papers, 24-25 Oct. 2002* (pp. 524-31). Paris: Springer-Verlag.

^Zimmermann, G .; Beard, M .; LaPlant, B; Laskowski, S .; Nixon, T .; Sitnik, E .; Trewin, S .; And Vanderheiden, G. (2003, Apr). Toward a Unified Universal Remote Console Standard. CHI 2003 Extended Abstracts, pp. 874f. April 5-10, 2003, Ft. Lauderdale, Florida, United States. ACM 1-58113-630-7 / 03/0004.

^Zimmermann, G., & Vanderheiden, G. (2002). Technical Requirements for a Delivery Context Independent User Interface Model. Position Paper for the W3C Workshop on Device Independent Authoring Techniques, Sep. 25-26, 2002, SAP University, St. Leon-Rot, Germany.
Dwyer, J., Mann, W., Tomita, M., Chumbler, N., Kemp, B., Vanderheiden, G., et al. (2002). The rehabilitation of engineering research center on technology for successful aging. *Gerontologist, 42*(Sp. Iss. 1),410.
Vanderheiden, G. C. (2002). A journey through early augmentative communication and computer access. *Journal of Rehabilitation Research and Development, 39*(6 SUPPL),39-53.
Vanderheiden, G. (2002). Future technology developments and domotics. In paper presented at the *4th International Conference on Gerontechnology*.
Vanderheiden, G.C. (2002). Building natural cross-disability access into voting systems. In *Proceedings of RESNA 2002 Annual Conference*.
Vanderheiden, G., Kelso, D., & Barnicle, K. (2002). A natural accessibility interface for voting systems. In paper presented at the *4th International Conference on Gerontechnology*.
^Zimmermann, G., Vanderheiden, G., & Gilman, A. (2002). Universal remote console - prototyping for the alternate interface access standard. In *CSUN's 17th Annual International Conference on Technology and Persons with Disabilities*.
^Zimmermann, G., Vanderheiden, G., & Al Gilman. (2002). Prototype implementations for a universal remote console specification. In *CHI 2002: Conference on Human Factors in Computing Systems,* Apr 20-25 2002 (pp. 510-511). Minneapolis: Association for Computing Machinery.
Vanderheiden, G., & Iacono S. (2001). Information technology impacts, Proceedings from White House Technologies for Successful Aging Workshop, *Journal of Rehabilitation Research and Development 38* (1, Supplement) S52-S53. Baltimore, MD
^Zimmermann, G., & Vanderheiden, G. (2001). Modality translation and assistance services: A challenge for artificial intelligence. *OGAI Journal (Oesterreichische Gesellschaft fuer Artificial Intelligence), 20*(2),26-27.
Hoffman, M., Law, C., Psihogios, J., Vanderheiden, G., & Ziebarth, B. (2001). Development of accessible kiosk user interface solutions for the public sector: A panel summary. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, October 2001, 45*(3), 230-234. Minneapolis/St. Paul, MN. Santa Monica: Human Factors and Ergonomics Society.
^Law, C., & Vanderheiden, G. (2001). Voting reform can include everyone: Average citizens, the aging population, and people with disabilities. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, October 2001, 45*(8), 747. Minneapolis/St. Paul, MN. Santa Monica: Human Factors and Ergonomics Society.
Vanderheiden, G. C. (2001). Development of generic accessibility/ability usability design guidelines for electronic and information technology products. *Proceedings of the International Conference on Universal Access in Human-Computer Interaction*, New Orleans, L.A.
Vanderheiden, G.C., & Zimmermann, G. (2001). Modality translation services on demand - making the world more accessible for all. In *RESNA 2001 Annual Conference Proceedings* (pp. 100-102).
^Zimmermann, G., & Vanderheiden, G.C. (2001). Translation on demand anytime and anywhere. In *CSUN's Sixteenth Annual International Conference*.
Harkins, J., Steinfeld, E., Story, M., Trachtman, L., & Vanderheiden, G.C. (2000). Current research in universal design at four NIDRR-funded Rehabilitation Engineering Research Centers (RERC). In *RESNA 23rd Annual Conference: Technology for the New Millennium*.
^Law, C., Barnicle, K., & Vanderheiden, G. (2000). Cross-disability telecollaboration systems. In *Designing for the 21st Century II: Proceedings of the International Conference on Universal Design, II* (pp. 3E). Boston: Adaptive Environments Center.
^Law, C., Barnicle, K., & Vanderheiden, G. (2000). Usability testing of people with disabilities: where do you begin?. In *Designing for the 21st Century II: Proceedings of the International Conference on Universal Design, III* (pp. 5E). Boston: Adaptive Environments Center.

^Law, C., & Vanderheiden, G.C. (2000). A reference design for addressing cross-disability federal access requirements. In *Proceedings of the RESNA 2000 Conference* (pp. 126-128).
^Law, C., & Vanderheiden, G. (2000). Reducing sample sizes when user testing with people who have, and who are simulating disabilities - Experiences with blindness and public information kiosks. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, July 2000. 44*(26). 157-160. San Diego, CA. Santa Monica: Human Factors and Ergonomics Society.
^Law, C., & Vanderheiden, G. (2000). The development of a simple, low cost set of universal access features for electronic devices. In *Proceedings of the Conference on Universal Usability, Nov 16-17 2000* (pp. 118-123). Arlington: Association for Computing Machinery.
Tobias, J., Vanderheiden, G.C., & Vanderheiden, K. (2000). Universal design motivators and facilitators. In *Designing for the 21st Century II: Proceedings of the International Conference on Universal Design, IV* (pp. 6F). Boston: Adaptive Environments Center.
Vanderheiden, G.C. (2000). Augmentative Communication in the year 2010: Affect of transmodality translation and network technologies on communication augmentation. In *RESNA 23rd Annual Conference: Technology for the New Millennium*.
Vanderheiden, G.C. (2000). The convergence of assistive and standard information technologies as we move into a flexible, mobile, agent-oriented future. In *4th International Conference on Assistive Technology (ASSETS 2000), Nov 13-15 2000*. Arlington: Association for Computing Machinery.
Vanderheiden, G., & Law, C. (2000). Ergonomics of a non-visual touchscreen interface: a case study. In *Proceedings of the RESNA 2000 Annual Conference. Technology for the New Millennium, 28 June-2 July 2000* (pp. 555-63). Orlando: RESNA Press.
Vanderheiden, G. (2000). Fundamental principles and priority setting for universal usability. In *Proceedings of the Conference on Universal Usability, Nov 16-17 2000* (pp. 32-38). Arlington: Association for Computing Machinery.
Vanderheiden, G., & Law, C. (2000). Cross-disability access to widely varying electronic product types using a simple interface set. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, July 2000, 44*(26)*,* 156. San Diego, CA. Santa Monica: Human Factors and Ergonomics Society.
Vanderheiden, G., & Tobias, J. (2000). Universal design of consumer products: Current industry practice and perceptions. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, July 2000, 44*(32), 6-19-6-21). San Diego, CA. Santa Monica: Human Factors and Ergonomics Society.
Vanderheiden, G. C. (1999). Impact of digital miniaturization and networked topologies on access to next generation telecommunication by people with visual disabilities. *Journal of Rehabilitation Research and Development, 36*(4), 365-370.
^Law, C., & Vanderheiden, G. (1999). Tests for screening product designs prior to user testing by people with functional limitations. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, September 1999, 43*(15). 868-872. Houston, Texas. Santa Monica: Human Factors and Ergonomics Society.
Vanderheiden, G.C., & Chisholm, W. (1999). Ongoing evolution of the WAI authoring guidelines. In *Proceedings of the 1999 Technology and Persons with Disabilities Conference California State University Northridge*.
Vanderheiden, G.C., Law, C., & Kelso, D. (1999). Designing hands-free, eyes-free, silent (or noisy) environment, and accessible interfaces (tutorials). In *Conference on Human Factors in Computing Systems* (pp. 155-156) ACM Press.
Vanderheiden, G.C., Law, C., & Kelso, D. (1999). EZ interface techniques for anytime anywhere anyone interfaces: (Demonstrations: tools for design). In *Conference on Human Factors in Computing Systems* (pp. 3-4) ACM Press.
Vanderheiden, G. C. (1998). Cross-model access to current and next-generation internet - fundamental and advanced topics in internet accessibility. *Technology and Disability, 8*(3), 115-126.
Vanderheiden, G.C. (1998). Universal design and assistive technology in communication and information technologies: Alternatives or complements?. *Assistive Technology, 10*(1),29-36.

^Chisholm, W., & Vanderheiden, G. (1998). Results of accessibility analysis of HTML and the implications for future information technologies. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, October 1998, 42*(14), 1028-1031. Chicago, IL. Santa Monica: Human Factors and Ergonomics Society.

^Law, C., & Vanderheiden, G. (1998). The role of voice enhancements in everyone interfaces for electronic devices: expanding the market for voice products. In *AVIOS '98 (American Voice Input/Output Society): 17th Annual International Voice Technologies Applications Conference*.

^Law, C., & Vanderheiden, G. (1998). EZ access strategies for cross-disability access to kiosks, telephones and VCRs. In *Proceedings of the 1998 CSUN Conference on Technology and Persons with Disabilities*.

Tobias, J., Vanderheiden, G.C., & Vanderheiden, K.R. (1998). Why companies might adopt universal design: an initial report from the Universal Design Research Project. In *Proceedings of the 1998 RESNA Conference* (pp. 349-351).

Vanderheiden, G.C. (1998). The ABCs of universal design. In *RESNA '98: Universal design and assistive technology: different approaches with common goals; a concurrent session* (pp. 2-3). Minneapolis: RESNA Press.

Vanderheiden, G.C., Kelso, D., & Brykman, L. (1998). Proposal for a Universal Remote Console Communication (URCC) protocol. In *Proceedings of RESNA '98, 26-30 June 1998* (pp. 361-3). Minneapolis: RESNA Press.

Vanderheiden, G.C., Law, C., & Kelso, D. (1998). Cross-product, cross-disability interface extensions: EZ Access. In *Proceedings of RESNA '98, 26-30 June 1998* (pp. 346-8). Minneapolis: RESNA Press.

Vanderheiden, G., & Tobias, J. (1998). Barriers, incentives and facilitators for adoption of universal design practices by consumer product manufacturers. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, October 1998, 42*(6), 584-588. Chicago, IL. Santa Monica: Human Factors and Ergonomics Society.

Vanderheiden, G. C. (1997). A cooperative, distributed, single-entry information system. *Technology and Disability, 7*(3), 199-209.

Vanderheiden, G. C. (1997). Anywhere, anytime, (+ anyone) access to the next-generation WWW. *Computer Networks and ISDN Systems 29*, 1439-1446.

Vanderheiden, G.C. (1997). Cross disability access to touch screen kiosks and ATMs. In *Proceedings of HCI International 97. 7th International Conference on Human Computer Interaction jointly with 13th Symposium on Human Interface, 24-29 Aug. 1997, vol.1* (pp. 417-20). San Francisco: Elsevier.

Vanderheiden, G.C. (1997). Guidelines for the design of telecommunications products to make them more accessible and compatible for people with disabilities. In *Proceedings of RESNA '97. Lets Tango - Partnering People and Technologies, 20-24 June 1997* (pp. 506-8). Pittsburgh: RESNA Press.

Vanderheiden, G.C. (1997). Use of a common table architecture for creating hands free, eyes free, noisy environment (flex-modal, flex-input) interfaces. In *Proceedings of HCI International 97. 7th International Conference on Human Computer Interaction jointly with 13th Symposium on Human Interface, 24-29 Aug. 1997, vol.1* (pp. 449-52). San Francisco: Elsevier.

Schaab, J.A., Radwin, R.G., Vanderheiden, G.C., & Hansen, P.K. (1996). A comparison of two control-display gain measures for head-controlled computer input devices. *Human factors, 38*(3),390-403.

Laux, L. F., McNally, P. R., Paciello, M. G., & Vanderheiden, G. C. (1996). Designing the world wide web for people with disabilities: a user centered design approach. In *Proceedings of the 1996 2nd ACM Conference on Assistive Technologies, Apr 11-12 1996* (pp. 94-101). Vancouver: ACM.

Novak, M., & Vanderheiden, G. (1996). Development of a universal disability infrared link protocol standard. In *Proceedings of RESNA '96 Pioneering the 21st Century, 7-12 June 1996* (pp. 458-60). Salt Lake City: RESNA Press.

Vanderheiden, G.C. (1996). Development of a multisensory visual interface to computers for blind users. In *Human Factors Perspectives on Human-Computer Interactions: Selections from Human Factors*

and Ergonomics Society Annual Meeting Proceedings (pp. 1983-1994). Santa Monica: Human Factors and Ergonomics Society.
Vanderheiden, G. (1996). Use of audio-haptic interface techniques to allow nonvisual access to touchscreen appliances. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, October 1996, 40*(24), 1266. Santa Monica: Human Factors and Ergonomics Society.
Vanderheiden, G.C. (1995). Access to global information infrastructure (GII) and next-generation information systems. In *Proceedings of the 18th International Congress on Education of the Deaf* (pp. 899-901). Tel Aviv: Ramot Publishing - Tel Aviv University.
^Cress, C. J., French, G., Vanderheiden, G. C., & Miller, J. (1994). Interface training and use by persons with cognitive disabilities. *Journal of Rehabilitation Research and Development, 30-31*,148.
^Cress, C. J., French, G., Vanderheiden, G. C., & Miller, J. (1994). Interface training and use by young children. *Journal of Rehabilitation Research and Development, 30-31*,149.
Novak, M., Vanderheiden, G. C., Hinkens, J., Schauer, J., & Borden, P. A. (1994). Development of extensions for standard computers and operating systems to allow access by users with motor impairments. *Journal of Rehabilitation Research and Development, 30-31*,145.
Radwin, R. G., Vanderheiden, G. C., & Schaab, J. A. (1994). Effects of gain and movement range on performance using head-controlled computer input devices. *Journal of Rehabilitation Research and Development, 30-31*,146.
Schauer, J., Novak, M., & Vanderheiden, G. C. (1994). General input device emulating interface (GIDEI) standard. *Journal of Rehabilitation Research and Development, 30-31*,150.
Smith, R. O., Hinkens, J., Vanderheiden, G. C., & Kathy, R. Longenecker (1994). Occupational therapy functional assessment compilation tool (OT FACT). *Journal of Rehabilitation Research and Development, 30-31*,136.
Vanderheiden, G. C., & Novak, M. (1994). Auditory redundancy of computer information for hearing-impaired individuals. *Journal of Rehabilitation Research and Development, 30-31*,280.
Vanderheiden, G. C., & Novak, M. (1994). Development of design guidelines for computers and other electronic devices to increase usability by persons with disabilities. *Journal of Rehabilitation Research and Development, 30-31*,150.
Vanderheiden, G. C., Schauer, J. M., Kelso, D. P., & Snyder, T. (1994). Development of user-, professional-, and public-accessible database interface techniques. *Journal of Rehabilitation Research and Development, 30-31*,137.
Mital, A., Deivanayagam, S., Malzahn, D., Wiker, S., Vanderheiden, Gregg C. and Freivalds, Andris (1994): Educating People with Disabilities. In: *Proceedings of the Human Factors and Ergonomics Society 38th Annual Meeting 1994*. p. 417-417.
Vanderheiden, G. (1994). Use of multiple parallel interface strategies to create a seamless accessible interface for next-generation information systems. In *Proceedings of the RESNA '94 Annual Conference: Tuning in to the 21st century through assistive technology: listen to the music, 14* (pp. 508-510). Arlington: RESNA Press.
Vanderheiden, G.C. (1994). Building disability access directly into next-generation information and transaction systems. In *Proceedings of the IISF/ACM Japan International Symposium, 7-9 March 1994* (pp. 2-6). Tokyo: World Scientific.
Nakamura, K., Vanderheiden, G.C., & Smith, R.O. (1993). Attitudes and impressions toward receiving phone calls made with a voice output device in the United States and Japan. *Technology and Disability, 2*(2),71-80.
Lee, S., Wiker, S.F., & Vanderheiden, G.C. (1993). Interactive haptic interface: two-dimensional form perception for blind access to computers. In *Proceedings of 5th International Conference on Human-Computer Interaction, 8-13 Aug. 1993* (pp. 190-5). Orlando: Elsevier.
Vanderheiden, G.C., & Mendenhall, J. (1993). Analyzing virtual reality applications as they relate to disability access. In *Virtual reality and persons with disabilities*. Northridge: CSUN.

Vanderheiden, G.C. (1993). Use of seamless access protocol to expand the human interface of next-generation information systems and appliances. In *Proceedings of 5th International Conference on Human-Computer Interaction, 8-13 Aug. 1993* (pp. 492-7). Orlando: Elsevier.
^Lin, M.L., Radwin, R., Vanderheiden, G. (1992). Gain effects on performance using a head-controlled computer input device. *Ergonomics, 35*(2), 159-175.
Vanderheiden, G.C. (1992). Full visual annotation of auditorially presented information for users who are deaf: ShowSounds. In *Proceedings of the RESNA International '92 Conference: Technology for Consumers* (pp. 45-47). Washington: RESNA Press.
Vanderheiden, G.C., & Cress, C.J. (1992). Applications of artificial intelligence to the needs of persons with cognitive impairments: the Companion Aid. In *Proceedings of the RESNA International '92 Conference: Technology for Consumers* (pp. 388-390). Washington: RESNA Press.
Vanderheiden, G.C., Mendenhall, J., & Ford, K. (1992). A two-class information model for access to computers and information systems by people who are blind. In *Proceedings of the RESNA International '92 Conference: Technology for Consumers* (pp. 53-54). Washington: RESNA Press.
Vanderheiden, G.C. (1992). Applications of artificial intelligence to the needs of persons with cognitive impairments: the Companion aid. In *Proceedings of Conference. Technology and Persons with Disabilities, 18-21 March 1992* (pp. 587-91). Los Angeles: California State Univ.
Vanderheiden, G.C., Mendenhall, J., & Andersen, T. (1992). Access issues related to virtual reality for people with disabilities. In *Proceedings of Conference. Technology and Persons with Disabilities, 18-21 March 1992* (pp. 581-5). Los Angeles: California State Univ.
Vanderheiden, G., Boyd, W., Ford, K., Kunz, D., & Mendenhall, J. (1992). Systems 3: Multisensory access to the graphic based computers by persons who are blind. In *Proceedings of the Johns Hopkins National Search for Computing Applications to Assist Persons with Disabilities, Feb 1-5 1992* (pp. 197-199). Laurel: Publ by IEEE.
Vanderheiden, G.C. (1991). Graphic user interfaces: a tough problem with a net gain for users who are blind. *Technology and Disability, 1*(1),93-99.
Vanderheiden, G., Boyd, W., Mendenhall, J., & Ford, K. (1991). Development of a multisensory nonvisual interface to computers for blind users. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, September 1991, 35*(5), 315-318. San Francisco, CA. Santa Monica: Human Factors and Ergonomics Society.
Vanderheiden, G.C., & Vanderheiden, K.R. (1991) Guidelines for the design of consumer products to increase their accessibility to persons with disabilities. In *RESNA '91 - Technology for the Nineties* (pp. 187-189). Washington: RESNA Press.
Wiker, S., Vanderheiden, G., Lee, S., & Arndt, S. (1991). Development of tactile mice for blind access to computers: Importance of stimulation locus, object size, and vibrotactile display resolution. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting, September 1991, 35*(10), 708-712. San Francisco, CA. Santa Monica: Human Factors and Ergonomics Society.
Radwin, R. G., Vanderheiden, G. C., Lin, M.L. (1990). Method for evaluating head-controlled computer input devices using fitts' law. Human factors, 32(4),423-438.
Vanderheiden, G. C. (1990). Thirty-something million: Should they be exceptions? *Human Factors, 32*(4), 383-396.
Boyd, L. H., Boyd, W. L., & Vanderheiden, G. C. (1990). The graphical user interface: Crisis, danger, and opportunity. *Journal of Visual Impairment and Blindness*, 84 (10), 496-502. Vanderheiden, G. C., (1989). Nonvisual alternative display techniques for output from graphics based computers. *Journal of Visual Impairment & Blindness, 83*(8), 383-390.
Vanderheiden, G. C. (1989). Development of an ultra-user friendly, disseminable database system for information and referral. *Information & Referral (The Journal of the Alliance of Information and Referral Systems) 11,* 1-2, pp 49-65.
Schauer, J., Kelso, D.P., & Vanderheiden, G.C. (1990). Development of a serial auxiliary control interface for powered wheelchairs. In *Proceedings of the RESNA 13th annual conference: capitalizing on technology* (pp. 191-192). RESNA Press.

Schauer, J., Novak, M., Lee, C.C., Vanderheiden, G.C., & Kelso, D.P. (1990). Transparent access interface for Apple and IBM computers: the T-TAM. In *Proceedings of the RESNA 13th annual conference: capitalizing on technology* (pp. 255-256). RESNA Press.

^Smith, R.O., Christiaansen, R., & Vanderheiden, G.C. (1990). Pre-service technology specialization training (TechSpec): year 2. In *Proceedings of the RESNA 13th annual conference: capitalizing on technology* (pp. 361-362). RESNA Press.

^Smith, R.O., Vanderheiden, G.C., & Fox, L. (1990). Specialization in technology service delivery: what is an interface specialist?. In *Proceedings of the RESNA 13th annual conference: capitalizing on technology* (pp. 240-241). RESNA Press.

Vanderheiden, G.C. (1990). Development of a public domain, user accessible, inter-state directory/database for assistive technology service delivery programs. In *Proceedings of the RESNA 13th annual conference: capitalizing on technology* (pp. 222-223). RESNA Press.

Vanderheiden, G.C., & Kunz, D.C. (1990). Systems 3 - an interface to graphic computers for blind users. In *Proceedings of the RESNA 13th annual conference: capitalizing on technology* (pp. 259-260). RESNA Press.

Vanderheiden, G.C. (1990). Development of an ultra-user friendly, disseminable database system for information and referral. In *Proceedings of the Fifth Annual National Symposium on Information Technology: Opening the Door to the 90's* (pp. 31-50). Columbia: University of South Carolina.

^Mathy-Laikko, P. Iacono, T., Ratcliff, A., Villarruel, F. Yoder, D., Vandertheiden, G. (1989) Teaching a Child with Multiple Disabilities to Use a Tactile Augmentative Communication Device. *Augmentative and Alternative Communication,* Williams and Wilkins Vol 5 No 4 pp 249-256

Hall, M., and Vanderheiden, G. C. (1989). Hyper-ABLEDATA. *An Overview. (The Journal of the Alliance of Information and Referral Systems) 11,* 1-2, pp 88-92.

Vanderheiden, G. C., (1989). Nonvisual Alternative Display Techniques for Output from Graphics Based Computers. *Journal of Visual Impairment & Blindness*, 83 (8), pp 383-390.

^Smith, R.O., Christiaansen, R., Borden, B., Lindberg, D., Gunderson, J., and Vanderheiden, G. (1989). Effectiveness of a writing system using a computerized long-range optical pointer and 10-branch abbreviation expansion." *Journal of Rehabilitation Research and Development, 26*(1), 51-62.

Vanderheiden, G., & Smith, R. O. (1988). Application of Communication Technologies with High Spinal Cord Injuries. *AAC: Augmentative and Alternative Communication.*

Vanderheiden, G. (1987). Service Delivery Mechanisms in Rehabilitation Technology. *American Journal of Occupational Therapy, 41*(11).

Vanderheiden, G., & Kelso, D. (1987). Comparative Analysis of Fixed-Vocabulary Communication Acceleration Techniques. *AAC: Augmentative and Alternative Communication, 3*(4).

Vanderheiden, G. (1984). High vs. Low Technology in the Development of Communication Systems for Severely Physically Handicapped Persons. *Exceptional Education Quarterly.*

Vanderheiden, G. (1983). The practical use of microcomputers in rehabilitation. *Rehabilitation Literature, 44*(3-4), 66-70.

Schwejda, P., & Vanderheiden, G. (1982). Adaptive-firmware card for the Apple II [input for physically disabled]. *Byte, 7*(9), 276-314. http://archive.org/stream/byte-magazine-1982-09-rescan/1982_09_BYTE_07-09_Computers_and_the_Disabled#page/n277/mode/2up

Vanderheiden, G. (1982). Computers can play a dual role for disabled individuals. *Byte, 7*(9), 136-62. http://archive.org/stream/byte-magazine-1982-09-rescan/1982_09_BYTE_07-09_Computers_and_the_Disabled#page/n137/mode/2up

Vanderheiden, G. (1982). The practical use of microcomputers in rehabilitation. *Bulletin of Prosthetics Research, 19*(1), 1-5.

Vanderheiden, G. (1981). Practical application of microcomputers to aid the handicapped. *Computer, 14*(1), 54-61.

Vanderheiden, G. (1980). Augmentative Modes of Communication for the Severely Speech- and Motor-Impaired. *Clinical Orthopedics and Related Research, 148*, 70-86.

Vanderheiden, G. (1977). Implications and considerations for application of non-vocal communication techniques and aids. *Developmental Medicine and Child Neurology, 19*(1), 109-110.
Vanderheiden G., Volk, A., and Geisler C. (1974) Alternate interface to computers for physically handicapped – the auto-monitoring communication board, National Computer Conference
Vanderheiden, G., Lamers, D., Volk, A., and Geisler C. (1973) Communications Device for Severely Handicapped, Abstract, Archives of Physical Medicine.

Regulatory Filings (selected)

(8 in 2018)
(5 in 2017)
(6 in 2016)
(8 in 2015)
(7 in 2014)
(12 in 2013)

Rosenblum, H., Stout, C., Vanderheiden, G., & Vogler, C. (2012). *In the matter of Implementation of Sections 716 and 717 of the Communications Act of 1934, as Enacted by the 21st Century Communications and Video Accessibility Act of 2010; Entertainment Software Assoc. Petition for Waivers of 47 C.F.R. §§ 14.1 et. seq.* CG Docket 10-213: Federal Communications Commission.
Rosenblum, H., Stout, C., Vanderheiden, G., & Vogler, C. (2012). *In the matter of Implementation of Sections 716 and 717 of the Communications Act of 1934, as Enacted by the 21st Century Communications and Video Accessibility Act of 2010; Consumer Electronic Association Petition for Waiver.* CG Docket 10-213: Federal Communications Commission.
Vanderheiden, G., & Jordan, J.B. (2012). *In the matter of the Supplemental Notice of Proposed Rulemaking: Nondiscrimination on the Basis of Disability in Air Travel: Accessibility of Web Site and Automated Kiosks at U.S. Airports.* Docket DOT-OST-2011-0177: U.S. Department of Transportation
Vanderheiden, G. (2012). *Comments in the matter of Connect America Fund; A National Broadband Plan for Our Future; Establishing Just and Reasonable Rates for Local Exchange Carriers; High-Cost Universal Service Support.* WC Docket 10-90, 07-135, 05-337, 03-109; GN Docket 09-51; CC Docket 01-92, 96-45; WT Docket 10-208: Federal Communications Commission.
Vanderheiden, G. (2012). *In the matter of the Advanced Notice of Proposed Rulemaking: Telecommunications Act Accessibility Guidelines (Section 255); Electronic and Information Technology Accessibility Standards (Section 508).* Docket ATBCB-2011-0007: Regulations.gov.
Vanderheiden, G. (2011). *Comments on closed functionality (part 1 of 4): Late filed (ex parte) comments in the matter of refresh of the Section 255 and Section 508 requirements.* Docket 2010-1-RIN 3014-AA37: US Access Board.
Vanderheiden, G. (2011). *Comments on touch-operated control (part 2 of 4): Late filed (ex parte) comments in the matter of refresh of the Section 255 and Section 508 requirements.* Docket 2010-1-RIN 3014-AA37: US Access Board.
Vanderheiden, G. (2011). *Other comments (part 3 of 4): Late filed (ex parte) comments in the matter of refresh of the Section 255 and Section 508 requirements.* Docket 2010-1-RIN 3014-AA37: US Access Board.
Vanderheiden, G. (2011). *Real-time text provisions (part 4 of 4): Late filed (ex parte) comments in the matter of refresh of the Section 255 and Section 508 requirements.* Docket 2010-1-RIN 3014-AA37: US Access Board.
Vogler, C., Williams, N. & Vanderheiden G. (2011). *In the matter of application of new and emerging technologies for video relay service use.* CG Docket 10-51: Federal Communications Commission.

Vanderheiden, G. & Vogler, C. (2011). *In the matter of implementation of Sec 716 and 717 of the Communications Act of 1934, as Enacted by the Twenty-First Century Communications and Video Accessibility Act of 2010.* CG Docket 10-213: Federal Communications Commission.

Vanderheiden, G. & Vogler, C. (2011). *In the matter of implementation of Sec 716 and 717 of the Communications Act of 1934, as Enacted by the Twenty-First Century Communications and Video Accessibility Act of 2010.* CG Docket 10-213: Federal Communications Commission.

Vanderheiden, G. (2011). *Comments on accessibility of next-generation 9-1-1.* DOJ-CRT-2010-0006: Regulations.gov.

Vanderheiden, G. (2011). *In the matter of implementation of the Twenty-first Century Communications and Video Accessibility Act of 2010 Section 105, Relay Services for Deaf-Blind Individuals.* CG Docket 10-210: Federal Communications Commission.

Vanderheiden, G. (2011). *In the matter of framework for next generation 911 deployment.* PS Docket 10-255: Federal Communications Commission.

Vanderheiden, G. (2011). *Comments on nondiscrimination on the basis of disability by state and local government entities and public accommodation; equipment and furniture.* Docket DOJ-CRT-2010-0001: Regulations.gov.

Vanderheiden, G. (2011). *Comments on nondiscrimination on the basis of disability; accessibility of web information and services of state and local government entities and public accommodations.* Docket DOJ-CRT-2010-0005: Regulations.gov.

Vanderheiden, G. (2011). *In the matter of implementation of the Twenty-first Century Communications and Video Accessibility Act of 2010 Section 105, Relay Services for Deaf-Blind Individuals.* CG Docket 10-210: Federal Communications Commission.

Vanderheiden, G., Harkins, J. & King, C. (2010). *In the matter of accessible mobile phone options for people who are blind, deaf-blind, or have low vision.* CG Docket 10-145, DA 10-1324: Federal Communications Commission.

Vanderheiden, G. & Hill, E. (2010). *In the matter of broadband accessibility for people with disabilities – Workshop II Barriers, Opportunities, and Policy Recommendations.* GN Docket 09-191, WC Docket 07-52, FCC 09-93: Federal Communications Commission.

Vanderheiden, G. & Harkins, J. (2010). *In the matter of advanced communication provisions of the Twenty-first Century Communications and Video Accessibility Act of 2010 with Disabilities – Workshop II.* CG Docket 10-213: Federal Communications Commission.

Vanderheiden, G. (2010). *In the matter of advanced communication provisions of the Twenty-first Century Communications and Video Accessibility Act of 2010 with Disabilities-Workshop II.* CG Docket 10-213: Federal Communications Commission.

Vanderheiden, G. (2010). *In the Matter of Refresh of the Section 255 and Section 508.* Docket ATBCB-2010-0001: Regulations.gov.

Harkins, J. & Vanderheiden, G. (2010). *Examination of the future media and information needs of communities in a digital age.* GN Docket No 10-25: Federal Communications Commission.

Harkins, J., Kozma-Spytek, L., Williams, N., Hellstrom, G., Vanderheiden, G., Ladner, R., & Strauss, K. (2010). *Ex parte comments re: Public safety issues related to broadband communication to and from people with disabilities.* GN Docket Nos. 09-47, 09-51, 09-137: Federal Communications Commission.

Vanderheiden, G. (2009). *In the Matter of Broadband Accessibility for People with Disabilities - Workshop II, Barriers, Opportunities, and Policy Recommendations*, GN Docket Nos. 09-47, 09-51 and 09-137: Federal Communications Commission.

Harkins, J.E., Vanderheiden, G., & Strauss, K.P. (2009). *In the Matter of Broadband Accessibility for People with Disabilities - Workshop II, Barriers, Opportunities, and Policy Recommendations*, GN Docket Nos. 09-47, 09-51 and 09-137: Federal Communications Commission.

Harkins, J., & Vanderheiden, G.C. (2005). *In the Matters of IP-enabled Services and E9-1-1 Requirements for IP-enabled Service Providers*. WC Docket 04-36 and 05-196: Federal

Communications Commission. Retrieved January 22, 2007 from: http://gullfoss2.fcc.gov/prod/ecfs/retrieve.cgi?native_or_pdf=pdf&id_document=6518142876
Vanderheiden, G. (2005). *Comments to Election Assistance Commission on the Voluntary Voting System Guidelines (VVSG)*. Retrieved 05/23, 2006, from: http://guidelines.kennesaw.edu/vvsg
Harkins, J., Peltz Strauss, K., & Vanderheiden, G.C. (2004). *In the Matter of Review of the Emergency Alert System*.
Harkins, J., & Vanderheiden, G.C. (2004). *In the Matters of IP-enabled Services and E9-1-1 requirements for IP-enabled service providers*. WC Docket Nos. 04-36 and 05-196: Federal Communications Commission.
Vanderheiden, G.C. (1998). *In the matter of implementation of Section 255 of the Telecommunications Act of 1996.* WT Docket No. 96-198: Federal Communications Commission. Retrieved June 1, 2006, from: http://www.fcc.gov/Bureaus/Wireless/Comments/fcc98055/210084-1.pdf

Reports and Other Key Publications (selected)

(stopped listing in 2013)

Vanderheiden, G. (2013). Lessons learned in technology transfer from Dr. Gregg Vanderheiden and the Trace Research & Development Center. *FOCUS Technical Brief (37).* Austin, TX: SEDL, Disability Research to Practice Program.
Johnston, M. V., Vanderheiden, G. C., Farkas, M., Rogers, E. S., Summers, J. A., & Westbrook, J. D., for the NCDDR Task Force on Standards of Evidence and Methods. (2009). *The challenge of evidence in disability and rehabilitation research and practice*: A position paper. Austin, TX: SEDL.
Committee on Disability in America (2007). *Assistive and mainstream technologies for people with disabilities*. In The future of disability in America (pp. 7-1 - 7-31). Washington, DC: The National Academies Press. [Gregg Vanderheiden, a member of the Committee on Disability in America, did the first draft and chaired the subcommittee for this chapter of the report.]
National Council on Disability. (2006). *Over the horizon: Potential impact of emerging trends in information and communication technology on disability policy and practice.* Washington, DC: Author. (Written by Gregg Vanderheiden pursuant to a contract with NCD.)
Harkins, J., Peltz Strauss, K., & Vanderheiden, G. (2006). *Research and policy recommendations from the State of the Science Conference on Accessible Emergency Notification and Communication.* Rehabilitation Engineering Research Center on Telecommunications Access; Gallaudet University; University of Wisconsin-Madison.
National Task Force on Technology and Disability (2004). *Within our reach: findings and recommendations of the National Task Force on Technology and Disability*. Flint, MI: The Disability Network. (Significant contributions and drafts by Gregg Vanderheiden.)
Vanderheiden, G.C. (2003). Access to voice-over-internet protocol ("VoIP"). In *The future of internet phone calling: Regulatory imperatives to protect the promise of VoIP for industry and consumers.* Washington, D.C: New Millennium Research Council.
Vanderheiden, G.C., & Chisholm, W.A. (1998). Central reference document - Version 8; Unified Web Site Accessibility Guidelines (advanced draft copy). Retrieved May 31, 2006, from: http://www.w3.org/WAI/GL/central.htm
Computer Science and Telecommunications Board (1997). Requirements for effective every-citizen interfaces. In *More than screen deep: Toward every citizen interfaces to the nation's information infrastructure* (pp. 21-70). Washington, DC: National Research Council, National Academy of Science. (Significant contributions and drafts by Gregg Vanderheiden.)
Computer Science and Telecommunications Board (1997). Input/output technologies: Current status and research needs. In *More than screen deep: Toward every citizen interfaces to the nation's information infrastructure* (pp. 71-120). Washington, DC: National Research Council, National Academy of Science. (Significant contributions and drafts by Gregg Vanderheiden.)
Computer Science and Telecommunications Board (1997). Nomadicity, disability access, and the every-citizen interface. In *More than screen deep: Toward every citizen interfaces to the nation's*

information infrastructure (pp. 297-306). Washington, DC: National Research Council, National Academy of Science. (Significant contributions and drafts by Gregg Vanderheiden.)
Connell, B., Jones, M., Mace, R., Mueller, J., Mullick, A., Ostroff, E., et al. (1997). The principles of universal design: version 2.0. Retrieved May 31, 2006 from: http://www.design.ncsu.edu/cud/newweb/about_ud/udprinciples.htm
Vanderheiden, G.C., & Harkins, J.E. (1997). Performance guidelines. In *Access to telecommunications equipment and customer premises equipment by individuals with disabilities: Telecommunication Access Advisory Committee (TAAC) final report* (pp. 19-24).Washington, D.C.: U.S. Architectural and Transportation Barriers Compliance Board.
Vanderheiden, G. C. (1996). *ECI requirements/desiderata.* National Research Council, Committee on Every Citizen Interface to the NII. Washington, DC.
Vanderheiden, G. (January 1995). Design of HTML (Mosaic) Pages to Increase their Accessibility to Users with Disabilities; Strategies for Today and Tomorrow, Version 1.0. Trace Center, University of Wisconsin –Madison. http://trace.wisc.edu/archive/html_guidelines/version1.html.
Vanderheiden, G.C. (1994). Application software design guidelines: increasing the accessibility of application software to people with disabilities. Retrieved June 02, 2006, from: http://trace.wisc.edu/docs/software_guidelines/software.htm
Vanderheiden, G.C., & Vanderheiden, K.R. (1991). Accessibility design guide I: guidelines for the design of consumer products to increase their accessibility to persons with disabilities or who are aging. Madison, WI: Trace R&D Center.
Vanderheiden, G. (1984). White Paper: Access to Standard Computers, Software, and Information Systems by Persons with Disabilities (invited). Industry/Government Committee on Computer Access, White House, Feb 1984.

Selected Presentations, Tutorials, Workshops

(stopped listing in 2012)
Invited Presentation to American Speech & Hearing Association, Augmentative and Alternative Communication Division 11th Annual Conference (Jan. 2011, Orlando).
Invited Presentation at 23rd Annual Colloquium on Aging (Oct. 2011, Madison, WI).
Invited Presentation at Digital Inclusion Conference (Oct. 2011, Gdansk, Poland).
Invited Presentation at Federal Communications Commission Workshop on Economic, Technological and Policy Issues Associated with the Transition from the Public Switched Telephone Network to an IP Network (Dec. 2011, Wash. DC).
Keynote speech at International ÆGIS Conference "Roadmap for Building a Global Public Inclusive Infrastructure" (2010, 7-8 October). Seville Spain.
Invited Presentation to European Commission's Expert Meeting on Assistive Technologies and e-Accessibility. (2009, March 25). Brussels, Belgium.
Invited Presentation to e-Inclusion Ministerial Conference. (2008, December 1). Vienna, Austria.
Keynote speech at the 8th Asia-Pacific Conference on Computer Human Interaction. (2008, July 7). Seoul, Korea.
Invited Presentation to Joint ITU and G3ict Forum 2008 on The Convention on the Rights of Persons with Disabilities: Challenges and Opportunities for ICT Standards. (2008, April 21). Geneva, Switzerland.
Invited Keynote Address: "The Future of Accessibility," IDEAS 2006. (2006, Nov. 14). Washington, D.C.
Invited Panelist: "Ergonomics Standards for High Technology: Issues and Challenges," Human Factors & Ergonomics Society Annual Meeting. (2006, Oct. 17). San Francisco, California.
Invited Workshop: "WCAG Priority 1 Checkpoints," RESNA 29th International Conference. (2006, June 25). Atlanta, Georgia.
Workshop: "Recent Advances in Control of Mainstream Technology from Assistive Technology," RESNA 29th International Conference. (2006, June 24). Atlanta, Georgia.

Invited Panelist: “Consumer Electronics for an Aging Generation," International Consumer Electronics Show. (2006, Jan. 6). Las Vegas, Nevada.

Invited Panelist: "The Changing Face of Telecommunications," 20th International SHHH Convention. (2005, July 1). Washington, D.C.

Invited Presentation: "Changing the Rules: Natural Accessibility for Voting Systems and Personal Pluggable Interfaces for Everything," Usability Professionals Assoc. Annual Conference. (2005, June 29). Montreal, Quebec.

Invited Panelist: "25 Years of Rehabilitation Engineering - Looking Forward to New Horizons," at RESNA 28th International Conference. (2005, June 26). Atlanta, Georgia.

Workshop: "International Roadmap for Accessible Mainstream Telecommunications: Research, Policy, and Practice," at RESNA 28th International Conference. (2005, June 25). Atlanta, Georgia.

Invited Keynote Address: "Interface Sockets and Virtual Assistive Technology: Are They Key Elements of the Future?" Vision 2005 Conference. (2005, April 6). London, UK.

Invited Panelist: "Managing Complexity," International Consumer Electronics Show. (2005, Jan. 7). Las Vegas, Nevada.

Workshop: "Server-Based Technologies (use of network-based servers to provide AT amplification, network transcoding, assistance services and virtual AT)," at COST219ter Conference on Network-Based Services for People with Disabilities. (2004, Oct. 20). Copenhagen, Denmark.

Invited Panelist: "Ballot Design: Opportunities for November and Beyond," Voting Technology: Innovations for Today and Tomorrow, MIT. (2004, Oct. 2). Boston, Mass.

Invited Plenary Address: "How Technological Advances are Redefining Assistive Technology, Accessibility and Disability," 7th International Conference of Human Services Information Technology Applications. (2004, Aug. 26). Hong Kong, PRC.

Invited Keynote Address: "How Advancing Technologies Can Redefine Disability -- If We Can Imagine," State of the Science Conference: Center for Disability & Socioeconomic Policy Studies, Howard University. (2004, Mar. 12). Washington, D.C.

Invited Plenary Address: "What's Next for E&IT Accessibility?," at The Accessibility Forum. (2003, Sept. 16). Washington, D.C.

Presentation: "Catching Up To The Future: Charting Your Own Courses," at the 15th Biennial TDI International Conference. (2003, July 14). Las Vegas, Nevada.

Presentation: "Universal Interface Sockets and Virtual AT as Access Approaches for People with Severe, Extreme, and Multiple Disabilities," at the 10th Annual Conference on Human-Computer Interaction. (2003, June 26). Heraklion, Crete.

Full-Day Tutorial: "Designing Accessible Interfaces,” at the 10th Annual Conference on Human-Computer Interaction. (2003, June 22). Heraklion, Crete.

Invited Presentation: "Demonstration of a Prototype Cross-Disability Accessible Voting Tablet," Help America Vote Act (HAVA) Webcast (2003, May 13).

Invited Full-Day Tutorial: "Designing Flexible, Accessible Interfaces That Are More Usable by Everyone," at CHI 2003, ACM Conference on Computer-Human Interaction. (2003, Apr. 6). Fort Lauderdale, Florida.

Invited Keynote Address: "We will have the technology to reinvent AAC in unimaginable ways. Will we know what to do with it?," at the USSAAC Biennial Conference. (2003, Mar. 20). Los Angeles, California.

Presentations: "A Natural Accessibility Interface for Voting Systems" and "Future Technology Developments and Domotics,” 4th International Conference on Gerontechnology. (2002, Nov. 9-12). Miami, Florida.

Presentation, "When Virtual Assistive Technologies Become Universal Design and Marry with Rehabilitative Human Augmentation," National Summit on Technology and Disability. (2002, Oct. 8). Providence, Rhode Island.

Concurrent Session: "A New Model for Thinking about Universal Design and Assistive Technology" at RESNA 25th International Conference on Technology and Disability (2002, June 30). Minneapolis, Minn.

Full-Day Tutorial: "Flexible, Accessible Interfaces More Usable by Everyone" at CHI 2002, ACM Conference on Computer-Human Interaction (2002, Apr. 22). Minneapolis, Minn.

Keynote Address “New Century - New Technologies – New Opportunities – New Questions” at the CSUN 2002 International Conference on Technology and Persons with Disabilities. (2002, Mar. 20). Los Angeles, Calif.

Keynote (closing plenary address) at the annual ACM-CHI Conference. (2001, April 5). Seattle, Washington.