Stefan P. Carmien
Rōnin researcher
Retired
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Education

Ph.D., University of Colorado, Boulder (2006)
Computer Science with certificate of completion for the interdisciplinary graduate training program in cognitive science 2006 by the Institute of Cognitive Science

M.S., University of Colorado, Boulder (2002)
Computer Science

B.S., University of Colorado, Boulder (1992)
Computer Science

Dissertation

Socio-Technical Environments Supporting Distributed Cognition for Persons with Cognitive Disabilities August, 2006
Committee: Gerhard Fischer (chair),
          Leysia Palen, Clayton Lewis, Cathy Bodine, James Martin, Jim Sullivan

Research Grants

Ambient Assisted Living Joint Programme (AAL JP) AAL-2011-4-040
          ASSISTANT: **A**iding **Su**Stainable **I**ndependent **S**enior **Tr**Avellers to **N**avigate in **T**owns
          Providing accessible support tools for the use of public transportation for European seniors and those with disabilities (2,7M €)
          Principal Investigator: Stefan P. Carmien, awarded June 2012 – June 2015
          Consortium partners from Finland, France, United Kingdom, Austria, and Spain.

Professional Research Experience

University of York
December 2016 to present
          Senior Research Fellow, HCI group
                  Adaptive Assistive Rehabilitative Technology: Beyond the Clinic (AART-BC)
                  IKnowFood: Integrating Knowledge for Food Systems Resilience

Fatronik-Tecnalia
September 2008 to 2016
          Senior Scientist, Assistive Technology Group
                  Haptimap EC project
                  P.I. ASSISTANT AAL Project

Fraunhofer Institute for Applied Information Technology (FIT)
October 2006 to September 2008
          Staff Scientist: BIKA (Barrier-free Information and Communication Technologies for All)
                  Web Compliance Center
                  EU4ALL EU EC project
                  DfA@eInclusion EC project

University of Colorado, Boulder
May 2001 to September 2006:
   Graduate Research Assistant
      Center for Lifelong Learning & Design
      Computer Science Department

Publications

Books:

Carmien, Stefan, *Assistive Technology Design for Intelligence Augmentation* (Synthesis Lectures on Assistive, Rehabilitative, and Health-Preserving Technologies), Morgan and Claypool, ISBN: 9781627057943 April 2016, 171 pages (doi:10.2200/S00709ED1V01Y201603ARH010)

Carmien, Stefan, *Leveraging Skills into Independent Living- Distributed Cognition and Cognitive Disability*, VDM Verlag Dr. Mueller e.K., 2007, ISBN 978-3-8364-2006-8, 256 Pages.

Refereed Journals

Foglia, D, Piccinnob, A, Carmien, S, & Fischer G (2019) "Exploring design trade-offs for achieving social inclusion in multi-tiered design problems", *Behaviour & Information Technology (BIT),* (in press)

Carmien, S., Wohldmann, E. (2008) "Mapping Images to Objects by Young Adults with Cognitive Disabilities", *Research In Developmental Disabilities*, 29(2) pp. 149–157

Carmien, S., Dawe, M., Fischer, G., Gorman, A., Kintsch, A., & Sullivan, J. F. (2005) "Socio-Technical Environments Supporting People with Cognitive Disabilities Using Public Transportation," *Transactions on Human-Computer Interaction (ToCHI)*, 12(2), pp. 233 - 262.

Carmien, S., DePaula, R., Gorman, A., & Kintsch, A. (2004) "Increasing Workplace Independence for People with Cognitive Disabilities by Leveraging Distributed Cognition among Caregivers and Clients". *A Special Issue of the Journal of Computer Supported Cooperative Work (CSCW) The Journal of Collaborative Computing*. Volume 13, Numbers 5-6 Dec. 2004 pp. 443 – 47

Book Chapters

Carmien, S. (2016) "Accessibility: Preparing Dharma Centers for Accommodating Disabilities" in Michon, N., and Fisher, D.C., (eds.) *A Thousand Hands: A Guidebook to Caring for Your Buddhist Community,* Sumeru Press, Richmond Hill, Ontario, Canada, November 2016, pp355-358, 386p.

Carmien, S., Heinonen, S., (2016) "Assistant, a Support Tool for Elders Using Public Transportation" (case study), in Finn, K., and Johnson, J., (eds), *Age-Friendly Design Guidelines for Digital Technology*, Morgan Kaufmann, March 2017 pp 193-198

Garzo, A., Carmien, S., Garay-Vitoria, N., (2016). "The Assistant Project – Independence Though Mobility". In Cerqueira, C., Uhomoibhi, J., Fred, A., and Monteiro. M. (Eds.) *European Project Space on Research and Applications of Information, Communication Systems, Knowledge Technology and Health Applications*. Setúbal, Portugal; Scitepress. 2018 pp 44-66

Carmien, S. and Cantara, A.M., (2012) "Diagnostic and Accessibility Based User Modelling" in Martin, E, Haya, P.A., Carro, R.M. (Ed.), *User Modeling and Adaptation for Daily Routines Providing Assistance to People with Special Needs*, Series: Human–Computer Interaction Series Martín, Estefanía; Haya, Pablo A.; Carro, Rosa M. (Eds.), Springer, 2013, 232 p. 54 illus.

Perry, J., Andureu, J., Cavallaro, F., Veneman, J., Carmien, S., Keller, T. (2011) "Effective Game Use In Neurorehabilitation: User-Centered Perspectives". In Felicia, P. (Ed*.), Handbook of Research on Improving Learning and Motivation through Educational Games: Multidisciplinary Approaches*. Hershey, PA.; IGI Global. pp. 683-725

Garzo, A., Carmien, S., Madina, X. (2010). "Mapping Input Technology to Ability". In Röcker, C., and Ziefle, M.. (Eds.) *Smart Healthcare Applications and Services: Developments and Practices*. Hershey, PA.; IGI Global. pp. 261-284

Carmien, S. (2010). "Sociotechnical Environments and Assistive Technology Abandonment". In Hu, F., Mostashari, A., Xie, J. (Eds.) *Socio-technical Networks: Science and Engineering Design*. Boca Raton, FL.: Taylor & Francis LLC, CRC Press. pp. 167-180

Carmien, S., Fischer, G., (2008). "Beyond Human-Computer Interaction: Meta-Design in Support of Human Problem-Domain Interaction". In M. Banich & D. Caccamise (Eds.) *Generalization of Knowledge: Multidisciplinary Perspectives*. New York: Psychology Press. pp.331-349

Carmien, S., Kollar, I., Fischer, G., & Fischer, F. (2007) "The Interplay of Internal and External Scripts." In F. Fischer, I. Kollar, H. Mandl, & J. M. Haake (Eds*.), Scripting Computer-Supported Learning - Cognitive, Computational, and Educational Perspectives*, Springer, New York, NY, pp. 303-326.

Refereed Conference Publications

J. Darzentas, J. Darzentas, A. de Bruin, M. Power, P. Prado, S. Carmien, E. Hobbs (2018) "Systemic Design in Food Security and Resilience: Building A Holon", RSD7 - Relating Systems Thinking And Design 7, Turin, Italy October 24-26 2018, - in Press

Petrie H., Carmien S., Lewis A. (2018) Assistive Technology Abandonment: Research Realities and Potentials *Computers Helping People with Special Needs 16th International Conference,* ICCHP 2018, Linz, Austria, July 11-13, 2018. Proceedings: Springer-Verlag, UK – in Press

Petrie H., Darzentas, J.S., and Carmien S. (2018) Intelligent Support Technologies for Older People: an Analysis of Characteristics and Roles *CWUAAT (9th Cambridge Workshop on Universal Access and Assistive Technology,),* University of Cambridge, UK, April, 2018, Breaking Down Barriers Usability, Accessibility and Inclusive Design, Springer-Verlag, UK – pp. 87-99

H. Petrie, S. Carmien, and A. Lewis (2017) Obtaining Experiential Data on Assistive Technology Device Abandonment *Universal Access in Human-Computer Interaction. Design and Development Approaches and Methods,* 11th International Conference, UAHCI 2017, Held as Part of HCI International 2017, Vancouver, BC, Canada, July 9–14, 2017, Proceedings, Part I LNCS 10277, p. 217 ff.

Barham, P., S. Carmien, and A. Garzo, (2015) "The Assistant Project: Creating a Smartphone App to Assist Older People When Travelling by Public Transport", in *ICT4AgeingWell 2015:* 20-22 May 2015, Lisbon, Portugal, SCITEPRESS – Science and Technology Publications. *pp. 253-258*

Carmien, S. and Garzo, A. (2014) "Elders using smartphones – a set of research based heuristic guidelines for designers" in *16th International Conference on Human-Computer Interaction (HCII 09)* in the parallel session *"Cognitive Accessibility and Cognitive Support"* in the *8th International Conference on Universal Access in Human-Computer Interaction (UAHCI),* 22 - 27 June 2014, Creta Maris, Heraklion, Crete, Greece, Springer LNCS, *Lecture Notes in Computer Science Volume 8514, 2014, pp 26-37*

Carmien, S. and Obach, M. (2013) "Back on Track: Lost and Found on Public Transportation" in *15th International Conference on Human-Computer Interaction (HCII 09)* in the parallel session *"Cognitive Accessibility and Cognitive Support"* in the *7th International Conference on Universal Access in Human-Computer Interaction (UAHCI), 21-26* July, 2013, Las Vegas, Nevada, USA, Springer LNCS, *Proceedings Part II Part V pp 575-584*

Pullman, J., Mohamad, Y., Velasco, C.A., Carmien, S.P. (2011) A generic OSGi-based model framework for delivery context properties and events in *6th International Conference on Universal Access in Human-Computer Interaction, UAHCI 2011, Held as Part of HCI International 2011*; 9-14 July 2011. Orlando, Florida, USA, Lecture Notes in Computer Science, 2011, Volume 6768, Universal Access in Human-Computer Interaction. Applications and Services, Pages 605-611

Carmien, S. and Koene, R. (2009) "Distributed Intelligence and Scaffolding in Support of Cognitive Health" in *13th International Conference on Human-Computer Interaction (HCII 09)* in the parallel session *"Cognitive Accessibility and Cognitive Support"* in the *5th International Conference on Universal Access in Human-Computer Interaction (UAHCI),* 19-24 July, 2009 , San Diego, California, USA, Springer LNCS vol. 5614, pp. 334-343

Carmien, S. P. and Fischer, G. (2008). Design, adoption, and assessment of a socio-technical environment supporting independence for persons with cognitive disabilities. In *Proceedings of the Twenty-Sixth Annual SIGCHI Conference on Human Factors in Computing Systems* (Florence, Italy, April 05 - 10, 2008). CHI '08. ACM, New York, NY, pp. 597-606

Carey, K., Gracia, R., Power, C., Petrie, H., and Carmien, S. (2007) "Determining Accessibility Needs Through User Goals", in *12th International Conference on Human-Computer Interaction (HCII 07)*, July 2007, Beijing, China (LNCS 4554), pp. 28 – 35

Carmien, S (2005) "End User Programming and Context Responsiveness in Handheld Prompting Systems for Persons with Cognitive Disabilities and Caregivers" in ACM *Conference on Computer-Human Interaction CHI05*, Portland Oregon USA pp. 1252 - 1255

Carmien, S., Fischer, G. (2005) "Tools for Living and Tools for Learning" in *11th International Conference on Human-Computer Interaction (HCII 05)*, Las Vegas Nevada USA (on CDROM)

Carmien, S., DePaula, R., et al. (2003) "Increasing Workplace Independence for People with Cognitive Disabilities by Leveraging Distributed Cognition among Caregivers and Clients". In *ACM 2003 International Conference on Supporting Group Work (GROUP '03)*, Sanibel Island, Florida, USA.

Doctoral Consortia

Stefan Carmien (2004) MAPS: Creating Socio-Technical Environments in Support of Distributed Cognition for People with Cognitive Impairments and Their Caregivers, *Conference on Computer-Human Interaction CHI04*, Doctoral Consortium, Vienna

Stefan Carmien, (2003) MAPS: Dynamic Scaffolding for Independence for Persons with Cognitive Impairments, *9th International Conference on User Modeling (UM'2003)* Doctoral Consortium 2003, Johnstown PA

Workshops

Carmien, S. (2017) Assume the Worst: Design for Failure, *Designing For Uncertainty In HCI: When Does Uncertainty Help?* Workshop on *the Thirty-Sixth Annual SIGCHI Conference on Human Factors in Computing Systems*, Denver, Colorado, May 7, 2017

Carmien, S. (2014) ASSISTANT: Public Transport Navigation Support, (The ASSISTANT project), *Mobile Apps for Independent Living workshop*, AAL Forum, Bucharest, Sept 10th 2014

Carmien, S. (2013) Smart Homes- Accessibility to, Accessibility with, *Making Place for Aging Workshop on Smart Home Technology*, San Sebastian, Spain April 9th, 2013

Carmien, S., Nijboer, F (2011) Cultural Bias and Personalization, Broad and Narrow *in Fostering Social Interactions in the Ageing Society held in European Conference on Computer-Supported Cooperative Work (ECSCW11)*, 24-28 September 2011, Aarhus, Denmark

Carmien, S. (2010) MAPS for ACAPID: Deep Personalization and Lessons Learned in *Applications of Cognitive Assistance for Persons with Intellectual Disabilities: Why, What, How?* INRA, September 13-14 2010, Bordeaux France (https://gforge.inria.fr/docman /?group_id=2914)

Nijboer, F., Hoffmann, U., Morin, F., Carmien, S., Leon, E. and Koene, R. (2009) Affective Brain-Computer Interfaces: Psychophysiological Markers of Emotion in Healthy People and People with Amyotrophic Lateral Sclerosis in *Workshop on Affective Brain-Computer Interfaces & IEEE International Workshop on Social Signal Processing ABCI 2009*, September 10-12 2009, Amsterdam, the Netherlands Proceedings Vol II pp. 1-11

Carmien, S., Cavallaro, F., and Koene, R., (2009) 'Senior Moments': Loss and Context in Proceedings of the *Workshop on" Affect and Behavior Related Assistance in Support for the Elderly" held in 2nd International Conference on PErvasive Technologies Related to Assistive Environments* (PETRA09), June 9-13, 2009, Corfu, Greece; ACM New York, NY, pp. 1-4

Yehya Mohamad, Y., Carmien, S., Velasco, C. (2008) "Supporting Industry in the Development of Design for All Curriculum" *Computers Helping People with Special Needs 11th International Conference*, ICCHP 2008, Linz, Austria, July 9-11, 2008. Proceedings pp. 150-155

Carmien, S. (2008) Content Personalization and Flexible Scaffolding in Support of Independence for Persons with Cognitive Disabilities, *Perspectives of ICT in special education: Potential and possibilities of WEB 2.0 and social software*, Workshop at Knowledge Media Research Center, Tübingen, Germany 5. & 6. June 2008

Velasco, C., Yehya Mohamad, Y., Carmien, S. (2007) Universally Accessible Lifelong Learning by User and Device Profiling Adaptation in *UM 2007 Workshop: Towards User Modelling and Adaptive Systems for All (UM2007)*, Corfu, Greece

Carmien, S. (2006) Assistive Technology For Persons With Cognitive Disabilities - Artifacts Of Distributed Cognition in *CHI 2006 Workshop: Designing Technology for People with Cognitive Impairments (CHI06),* Montreal, PQ Canada

Carmien, S. and Gorman, A. (2003) "Creating Distributed Support Systems to Enhance the Quality of Life for People with Cognitive Disabilities". In *2nd International Workshop on Ubiquitous Computing for Pervasive Healthcare Applications (UbiHealth 2003)*, Seattle, WA, USA.

Other Publications

Carmien, S., Garzo, A. (2014) Fitting Adaptive Real-Time Technology To The Population Geography And Regional Resources Across The European Union, *AAL Forum*, Bucharest, Sept 10th 2014

Carmien, S and Garzo, A (2012) Shades of Grey – Models Of Caregiving For Alzheimer's Patients *in AAL Summit 2012 - Market and policy development for an aging society*, 27-29th June 2012, Bilbao, Spain

Carmien, S. (2006) Design and Evaluation of Complex Assistive Technology Systems Using Ethnographic Methods, Student Design Competition, *ACM SIGACCESS Conference on*

Computers & Accessibility (Access06), Portland Oregon

Fischer, Gerhard, Ernesto Arias, Stefan Carmien, Hal Eden, Andrew Gorman, Shin'ichi Konomi, James Sullivan (2004) Supporting Collaboration and Distributed Cognition in Context-Aware Pervasive Computing Environments, Paper for the *Human-Computer Interaction Consortium (HCIC'04),* Winter Park, CO.

Carmien, S. (2004), Task Support for People with Cognitive Impairments and Their Caregivers, *American Journal of Occupational Therapy* Vol. 14 No. 3 Sept 2004

Carmien, S. (2003) MAPS: Dynamic scaffolding for independence for persons with cognitive impairments Contribution to the *Human-Computer Interaction Consortium (HCIC'03),* Winter Park, CO.

Carmien, S. and Hudak, G. (2003) MAPS: PDA Scaffolding for Independence for Persons with Cognitive Impairments, Student Design poster, *RESNA Conference* Atlanta, GA

Carmien, S. (2002) MAPS: Dynamic scaffolding for independence for persons with cognitive impairments Contribution to the *Human-Computer Interaction Consortium (HCIC'02),* Winter Park, CO.

Carmien, S. (2002) Sound of Silence- Designing and installing systems in Buddhist retreat facilities" *Sound and Video Contractor*, Jan 2002 (http://svconline.com/mag/avinstall_sound_ silence /index.html).

Keynotes

Carmien, S. (2015) An American Accessibility and AT researcher in Euskal Herria / Un investigador Americano en Accesibilidad y TA en Euskal Herria (bilingual), *Thirtieth Anniversary Of The Egokituz Laboratory*, Departamento de Arquitectura y Tecnología de Computadores Universidad del Pais Vasco/Euskal Herriko Unibertsitatea, Donostia/San Sebastián, Spain December 16th, 2015

Carmien, S. (2012) Doing What You Want To Do - Leveraging and Replacement in AmI: Some Thoughts About Design, *6th International Conference on Ubiquitous Computing and Ambient Intelligence & 4th International Workshop on Ambient Assisted Living - UCAmI & IWAAL2012*, Vitoria-Gasteiz, Spain. December 4th, 2012

Presentations

Carmien, S. (2016) Intelligence Augmentation for Cognitive Orthotics (Part 1), HCI Research Group Seminars*, University of York, Department of Computer Science, HCI group*, York, UK, November 17th 2016

Carmien, S. Garzo, A. (2015) The ASSISTANT project: Independence though Mobility, Invited lecture*, Universidad del País Vasco-Euskal Herriko Unibertsitatea*, Donostia-San Sebastián Spain May 28th 2015

Carmien, S. (2012) Aiding SuStainable Independent Senior TrAvellers to Navigate in Towns (The ASSISTANT project), *AAL Forum 2012 - Tomorrow in sight: from design to delivery*, Eindhoven Nl. September 25, 2012

Carmien, S. (2010) "User Centred Design - Task Based Design", *Autonomia pertsonala areagotzeko teknologiei buruzko masterra* (*Master in Technologies for Supporting Personal Autonomy), Universidad de Pais Vasco,* San Sebastian, Spain, April 2010

Carmien, S. (2010) "Content personalization some theory and the real world", *Sistemas Adaptativos a través de Internet, Universidad Autónoma de Madrid,* Madrid, Spain, April 2010

Carmien, S. (2010) "Adoption and abandonment – it's not just the system*", Sistemas Adaptativos a través de Internet, Universidad Autónoma de Madrid*, Madrid, Spain, April 2010

Carmien, S. (2010) "The L^{3}D Toolbelt: Affordances for Intelligence Augmentation", *GHIA research group, Universidad Autónoma de Madrid*, Madrid, Spain, April 2010

Carmien, S. (2009) "A Workshop on User Centered Design, focusing on scenario use and task based design approaches", *Fatronik-Technalia*, San Sebastian, Spain, July 2009
Carmien, S. (2008) "A Short Overview of Assistive Technology Abandonment and Innovation Adoption", *Fatronik Salut Department*, San Sebastian, Spain, December 2008

Carmien, S. (2008) "Using Standards and the 5 R's - The Right Information at the Right Time, in the Right Place, in the Right Way to the Right Person", *The Center for LifeLong Learning and Design*, University of Colorado at Boulder, Boulder Colorado USA September 2008

Carmien, S. (2008) "Developing a framework for designing computer based supports for inclusion", *Institut für Wirtschaftsinformatik Lecture Series*, Universität Siegen, Siegen Germany, July 2008

Carmien, S (2007) "The Center for Lifelong Learning and Design (L^{3}D) Approach to Intelligence Augmentation" in Building Advanced Internet Services and Applications using Web Standards. Accessible Interfaces and New Devices (Graduate computer science class), *Bonn-Aachen International Center for Information Technology*, Bonn, Germany June 2007

Carmien, S (2007) "MAPS: an Instance of Intelligence Augmentation" in Sistemas Adaptativos en Educación (Graduate computer science seminar), *UNED (Universidad Libre a Distancia)*, Madrid, Spain May 2007

Carmien, S (2007) "The Center for Lifelong Learning and Design (L^{3}D) Approach to Intelligence Augmentation" in Métodos De Aprendizaje En IA, (Graduate computer science seminar), *UNED (Universidad Libre a Distancia)*, Madrid, Spain May 2007

Carmien, S (2006) "Moving the Fulcrum: Socio-Technical Environments Supporting Distributed Cognition for Persons with Cognitive Disabilities" *Fraunhofer Institute for Applied Information Technology (FIT)* Sankt Augustin, Germany July 2006

Carmien, S (2006) "The Center for LifeLong Learning & Design (L^{3}D) – a designers perspective" *Bonn-Aachen International Center for Information Technology,* Bonn, Germany July 2006

Carmien, S and Gorman A. (2005) "MAPS-Lifeline: combining handheld computer prompting with real-time caregiver monitoring tools for supporting individuals with cognitive disabilities in daily living activities." *Pacific Rim Conference on Disabilities* (Pac Rim 05) Waikiki, Hawaii February 2005

Posters

Kalian, K., Kaintz, W., Carmien, S. (2013) "Assistant - Aiding SuStainable Independent Senior TrAvellers to Navigate in Towns" *AGIT 2013 – the conference for Applied Geoinformatics in Salzburg, Austria,* July, 2013, Salzburg, Austria

Carmien, S., Kintsch, A (2006) "Dual User Interface Design As Key To Adoption For Computationally Complex Assistive Technology" in *Rehabilitation Engineering and Assistive Technology Society of North America (RESNA) Conference,* June 2006 Atlanta, GA (on CDROM)

Carmien, S. and Kintsch, A. (2005) "MAPS - Memory Aiding Prompting System An empowering tool and aid to independence for adults with cognitive disabilities" *The Coleman Institute for Cognitive Disabilities 2005 Conference: ""Pioneering Cognitive Technologies",*" October 24, 2005 Boulder, Colorado.

Carmien, S., Kintsch A., Wohldmann E. (2004) "Image Attributes and Recognition Time Supporting Multimedia Prompting for Persons with Cognitive Impairments" *The Coleman Institute for Cognitive Disabilities 2004 Conference:" Enhancing the Quality of Life for People with Cognitive Disabilities Through Technology,"* October 4-5, 2004 Denver, Colorado.

Carmien, S. (2004) "MAPS - Memory Aiding Prompting System An empowering tool and aid to independence for adults with cognitive disabilities" *The Coleman Institute for Cognitive Disabilities 2004 Conference: "Enhancing the Quality of Life for People with Cognitive Disabilities Through Technology,"* October 4-5, 2004 Denver, Colorado.
Fischer, G. and Carmien S. (2004) "Distributed Intelligence: The Integration of Internal and External Scripts" *The Coleman Institute for Cognitive Disabilities 2004 Conference: "Enhancing the Quality of Life for People with Cognitive Disabilities Through Technology,"* October 4-5, 2004 Denver, Colorado.

Carmien, S and Hudak, G. (2003) "MAPS - Memory Aiding Prompting System " *The Coleman Institute for Cognitive Disabilities 2003 Conference: "Technology, Neuroscience and the Future of Cognitive Disability,"* October 9-10, 2003, Denver, CO.

Awards

The Donald Mackison Award for Excellence in Writing on Science and Society, the University of Colorado *(1992)*

Media and Interviews

Carmien, S., Garzo, A. ASSISTANT: Trabajando con usuarios para disnenar una nueva aplicación, *Solera*. 2º Trimestre 2014. Edición Nº 187, Donostia-San Sebastián, Guipuzcua , Spain, p. 18 (Summer, 2014)

Carmien, S., Garzo, A. Una nueva aplicación para personas mayores, *Solera*. 3º Trimestre 2012. Edición Nº 180, Donostia-San Sebastián, Guipuzcua , Spain, p. 11 (Summer, 2012)

Carmien, S., Manejo Inteligente de Finanzas. *Solera*. 2º Trimestre 2010. Edición Nº 171, Donostia-San Sebastián, Guipuzcua , Spain, p. 17 (Spring, 2010)

Overcoming Disabilities (A short news special report on the Coleman Foundation and an interview with a demonstration of the MAPS system) Denver, Colorado Channel 9 Evening News (May 24, 2004)

Wireless Technology Connects People with Cognitive Disabilities, Intel® Community Solutions newsletter (Issue 5, August 2003)

Protocols Approved

MAPS: PDA scaffolding for independence for persons with cognitive impairment, a part of the overall project "Building Cognitive Levers to help people help themselves" (2003-2006), *Protocol #0402.01*, The Human Research Committee at the University of Colorado at Boulder

Professional Service Activities

Program Committee

2019 ACHI 2019 The Twelfth International Conference on Advances in Computer-Human Interactions

2015 DSAI 2015 Software Development and Technologies for Enhancing Accessibility and Fighting Info-exclusion

2014, 2013 UD2014 International Conference on Universal Design

2019-2013, 2011 HCI International Universal Access in Human-Computer Interaction

2013, 12, 11 MOBACC 2012 Workshop on Mobile Accessibility

2011, 10 UMADR10, Workshop on User Modeling and Adaptation for Daily Routines (UMADR): Providing Assistance to People with Special and Specific Needs, UMAP 2010 User Modeling, Adaptation and Personalization, Hawaii

2011 AAL Task Force of the AAL Contents Working Group, Ambient Assisted Living Joint Programme (AAL JP)

2010 Mobile HCI 2010, 2nd International Conference on Human-Computer Interaction with Mobile Devices and Services, Lisboa, Portugal

2010 3rd Workshop on Inclusive E-Learning workshop, London England

2009 2nd Workshop on Inclusive E-Learning workshop, E-Learning Baltics Conference (ELBA09) in Rostock, Germany

Publications

2013 – current   Member of the editorial board of the quarterly Springer Journal "Universal Access to the Information Society: An international interdisciplinary journal" (UAIS)

Standards committee

2012-current   Secretary. RESNA Standards Committee on Cognitive Accessibility (http://www.resna.org/standards/cognitive-technologies-ct/cognitive-accessibility-ca)

2016- current   Member (UK) ISO/TC 173/WG 10 Standards Committee on Cognitive Accessibility

Reviewing

<u>Conferences:</u>

2019, 17, 13,11, 09 INTERACT 2011, IFIP TC13 conference on Human-Computer interaction

2018, 2016, 15,14,12,11,06,04 RESNA International Conference, Rehabilitation Engineering and Assistive Technology Society of North America

2006 - 2018 CHI International Conference on Human Factors in Computing Systems

2018, 17, 08, 12 MobileHCI International Conference on Human-Computer Interaction   with Mobile Devices and Services

2017 DIS Designing Interactive Systems

2017,15 OZCHI Australian Conference on Human-Computer Interaction (HCI).

2017, 05 IDC International Conference for Interaction Design and Children

2016,12 NordiCHI NordiCHI is the main Nordic forum for human-computer interaction research, with the conference proceedings published by ACM.

2015, 14 TEI, Association for Computer Machinery's conference on Tangible, Embedded and Embodied Interaction

2014, 15 ACM International Conference on Interactive Experiences for Television and Online Video (TVX)

2014,13, CSCW, The 17th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2014)

2014 International Conference On Universal Design (UD2014)

2013 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp)

2011,13 ACM SIGCHI (EICS) Symposium on Engineering Interactive Computing Systems

2008 Workshop on Wireless Networking, Automated Information Processing, and Web & Grid Services (ISWPC08)

2008 UIST ACM Symposium on User Interface Software and Technology

2007 CHI Creativity & Cognition Conference

2006 DIS Designing Interactive Systems Conference

2006 IEEE International workshop in Multimedia Technologies for E-Learning (MTEL)

2005 UM International Conference on User Modeling

2004 COOP International Conference on the Design of Cooperative system

2004 ICALT IEEE International Conference on Advanced Learning Technologies

2004 UIST ACM Symposium on User Interface Software and Technology

2004 ICCCE International Conference on Computers in Education

2004 AIED 12th International Conference on Artificial Intelligence in Education

Journals:

2019 - 2012, 10, 08 Universal Access in the Information Society

2018 Entrepreneurship Research Journal

2018 Frontiers in Public Health

2017 IBM Journal of Research and Development

2017 Entrepreneurship Research Journal

2017 - 2015, 13 ACM Transactions on Accessible Computing,

2017,15 International Journal of Human-Computer Interaction, Taylor & Francis

2015 PeerJ Computer Science

2015 Interacting with Computers, Oxford Journals

2014 Computers & Electrical Engineering, Elsever

Publishers:

2014 Morgan & Claypool, Synthesis Digital Library of Engineering and Computer Science,

Proposal Reviewing:

2013, 15 Peer-Reviewer for the *International Research Grant Program*, Alzheimer's Association, USA

2013 Peer reviewer for The National Institute on Disability and Rehabilitation Research (NIDRR), U.S. Department of Education, for a Disability and Rehabilitation Research Program (DRRP) on Inclusive Cloud and Web Computing.

2009,10 Programme Inter Carnot-Fraunhofer. Agence Nationale de la Researche and Bundesministerium für Bildung und Forschung; Scientific expert reviewer, assistive technology and human computer interaction.

2008 Ontario Research Fund – Research Excellence Round 3 Scientific expert reviewer, assistive technology

Web Development

2006 ASSETS ACM International Conference on Computers & Accessibility

Workshop Organizing

2018 16th International Conference on Computers Helping People with Special Needs, , Special Thematic Session on *Assistive Technology Abandonment and Mitigation*, Chairpersons: Helen Petrie & Stefan Carmien; Lintz Austria, July 15th 2018

2014 COST (European Cooperation in Science and Technology), Reviewing submissions only, Zagreb, Croatia 25-27 November 2013

2011 Universal Access in Human-Computer Interaction in 2011 HCI International conference on Human Computer Interaction, *Intelligent Interfaces and Functionality, Adaptation, and Personalization,* Orlando, Florida, USA, 9-14 July 2011.

2006 CHI International Conference on Human Factors in Computing Systems "*Designing Technology for People with Cognitive Impairments,* Montréal, Canada 2006

Professional Associations

Association of Computing Machinery, Senior Member
    ACM Special Interest Group Computer-Human Interaction (SIGCHI)

Institute of Electrical and Electronics Engineers (IEEE), Senior Member

Rehabilitation Engineering and Assistive Technology Society of North America (RESNA)
    Cognitive Disabilities and Technology Special Interest Group (SIG-20)
    RESNA Standards Committee on Cognitive Accessibility (CA), Vice Chair

British Standards Institute, cognitive assistive technology expert
    ISO/TC 173/WG 10 Assistive products for cognitive disabilities committee member

External references

Google Scholar: http://tinyurl.com/y7mdacep