Published May 2016

2016 Volume 8, Number 3

ACM Transactions on
Accessible Computing

SPECIAL ISSUE (PART 2) OF PAPERS FROM ASSETS 2014

| Article 8 (1 page) | J. Richards | Introduction |
|--------------------------|---|--|
| Article 9 (26 pages) | C. Fage L. Pommereau C. Consel E. Balland H. Sauzéon | Tablet-Based Activity Schedule in Mainstream Environment for Children with Autism and Children with ID |
| Article 10 (26 pages) | M. Crabb V. L. Hanson | An Analysis of Age, Technology Usage, and Cognitive Characteristics Within Information Retrieval Tasks |
| Article 11 (28 pages) | E. Buehler N. Comrie M. Hofmann S. McDonald A. Hurst | Investigating the Implications of 3D Printing in Special Education |
| Article 12 (24 pages) | P. Carrington JM. Chang K. Chang C. Hornback A. Hurst S. K. Kane | The Gest-Rest Family: Exploring Input Possibilities for Wheelchair Armrests |



Association for Computing Machinery

Advancing Computing as a Science & Profession

ACM Transactions on Accessible Computing

ACM

2 Penn Plaza, Suite 701 New York, NY 10121-0701 Tel.: (212) 869-7440 Fax: (212) 869-0481

Home Page:

http://www.rit.edu/gccis/taccess/index.html

Editors-in-Chief Matt Huenerfauth Kathleen F. McCoy Associate Editors **Armando Barreto Faustina Hwang** Shari Trewin **Editorial Board** Jeff Bigham **Giorgio Brajnik** Anna Cavender Andrew Crossan **Alistair Edwards Jinjuan Feng** Leah Findlater Vicki L. Hanson Simon Harper **Gillian Hayes** Shaun Kane Sri Kurniawan Raja Kushalnagar **Richard Ladner Clayton Lewis** Joanna McGrenere Karyn Moffatt Enrico Pontelli **Christopher Power** John T. Richards Andrew Sears Eric Sellers **David Sloan** Markel Vigo **Christian Vogler Bruce Walker** Annalu Waller Takayuki Watanabe **Maria Wolters** Yeliz Yesilada

Rochester Institute of Technology, USA University of Delaware, USA Florida International University, USA University of Reading, UK IBM Watson Research Center, USA Carnegie Mellon University, USA Universita di Udine, Italy Google, Inc., USA University of Glasgow, UK University of York, UK Towson University, USA University of Maryland, USA Rochester Institute of Technology, USA University of Manchester, UK University of California, Irvine, USA University of Colorado Boulder, USA University of California, Santa Cruz, USA Rochester Institute of Technology, USA University of Washington, USA University of Colorado Boulder, USA University of British Columbia, Canada McGill University, Canada New Mexico State University, USA University of York, UK IBM Watson Group, USA, and University of Dundee, UK Rochester Institute of Technology, USA East Tennessee State University, USA The Paciello Group, UK University of Manchester, UK Gallaudet University, USA Georgia Institute of Technology, USA University of Dundee, UK Tokyo Woman's Christian University, Japan University of Edinburgh, UK Middle East Technical University, Northern Cyprus Campus, and University of Manchester, UK

Headquarters Journals Staff

Journal Manager

ACM Transactions on Accessible Computing (ISSN: 1936-7228) is published quarterly in Winter, Spring, Summer, Fall by the Association for Computing Machinery (ACM), 2 Penn Plaza, Suite 701, New York, NY 10121-0701. Printed in the U.S.A. POSTMASTER: Send address changes to ACM Transactions on Accessible Computing, ACM, 2 Penn Plaza, Suite 701, New York, NY 10121-0701.

For manuscript submissions, subscription, and change of address information, see inside backcover.

Copyright ©2016 by the Association for Computing Machinery (ACM). Permission to make digital or hard copies of part or all of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and the full citation on the first page. Copyrights for components of this work owned by others than ACM must be honored. Abstracting with credit is permitted. To copy otherwise, to republish, to post on servers, or to



Association for Computing Machinery

Advancing Computing as a Science & Profession

redistribute to lists, requires prior specific permission and/or a fee. Request permission to republish from: <u>permissions@acm.org</u> or fax Publications Department, ACM, Inc. Fax +1 212-869-0481.

For other copying of articles that carry a code at the bottom of the first or last page or screen display, copying is permitted provided that the per-copy fee indicated in the code is paid through the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

ACM Transactions on Accessible Computing

http://www.rit.edu/gccis/taccess/index.html

Guide to Manuscript Submission

Submission to the ACM Transactions on Accessible Computing is done electronically through <u>http://acm.manuscriptcentral.com</u>. Once you are at that site, you can create an account and password with which you can enter the ACM Manuscript Central manuscript review tracking system. From a drop-down list of journals, choose ACM Transactions on Accessible Computing and proceed to the Author Center to submit your manuscript and your accompanying files.

You will be asked to create an abstract that will be used throughout the system as a synopsis of your paper. You will also be asked to classify your submission using the ACM Computing Classification System through a link provided at the Author Center. For completeness, please select at least one primary-level classification followed by two secondary-level classifications. To make the process easier, you may cut and paste from the list. Remember, you, the author, know best which area and sub-areas are covered by your paper; in addition to clarifying the area where your paper belongs, classification often helps in quickly identifying suitable reviewers for your paper. So it is important that you provide as thorough a classification of your paper as possible.

The ACM Production Department prefers that your manuscript be prepared in either LaTeX or Ms Word format. Style files for manuscript preparation can be obtained at the following location: <u>http://www.acm.org/publications/submissions</u>. For editorial review, the manuscript should be submitted as a PDF or Postscript file. Accompanying material can be in any number of text or image formats, as well as software/documentation bundles in zip or tar-gzipped formats.

Questions regarding editorial review process should be directed to the Editors-in-Chief. Questions regarding the postacceptance production process should be addressed to the Journal Manager, Laura Lander, at <u>lander@hq.acm.org</u>.

Subscription, Single Copy, and Membership Information.

Send orders to:

ACM Member Services Dept. General Post Office PO Box 30777 New York, NY 10087-0777

For information, contact:

| Mail: | ACM Member Services Dept. | |
|----------|----------------------------|--|
| | 2 Penn Plaza, Suite 701 | |
| | New York, NY 10121-0701 | |
| Phone: | +1-212-626-0500 | |
| Fax: | +1-212-944-1318 | |
| Email: | <u>acmhelp@acm.org</u> | |
| Catalog: | http://www.acm.org/catalog | |

Subscription rates for ACM Transactions on Accessible Computing are \$69 per year for ACM members, \$64 for students, and \$220 for nonmembers. Single copies are \$18 each for ACM members and \$40 for nonmembers. Your subscription expiration date is coded in four digits at the top of your mailing label; the first two digits show the year, the last two show the month of expiration.

Notice to Past Authors of ACM-Published Articles. ACM intends to create a complete electronic archive of all articles and/or other materials previously published by ACM. If you have written a work that was previously published by ACM in any journal or conference proceedings prior to 1978, or any SIG Newsletter at any time, and you do NOT want this work to appear in the ACM Digital Library, please inform <u>permission@acm.org</u>, stating the title of the work, the author(s), and where and when published.

About ACM. ACM is the world's largest educational and scientific computing society, uniting educators, researchers and professionals to inspire dialogue, share resources and address the field's challenges. ACM strengthens the computing profession's collective voice through strong leadership, promotion of the highest standards, and recognition of technical excellence. ACM supports the professional growth of its members by providing opportunities for life-long learning, career development, and professional networking.

Visit ACM's Website: http://www.acm.org.

Change of Address Notification. To notify ACM of a change of address, use the addresses above or send an email to <u>coa@acm.org</u>.

Please allow 6–8 weeks for new membership or change of name and address to become effective. Send your old label with your new address notification. To avoid interruption of service, notify your local post office before change of residence. For a fee, the post office will forward 2nd- and 3rd-class periodicals.