



Accessibility Testing Symposium

Provisional Program

The 2017 ICT Accessibility Testing Symposium: Automated & Manual Testing, WCAG 2.1, and Beyond

Thursday October 26 & Friday October 27, 2017

Workshops: Wednesday October 25

(This Provisional Program is subject to change)

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Introduction from the Chair

I'm delighted to announce that Paul Schroeder will be delivering our keynote speech at the second annual Information and Communications Technology (ICT) Accessibility Testing Symposium. Our peer-reviewed program has expanded in this second year. We are offering more workshops, more papers, more panels, and we're keeping the fun with the business card exchange and expanded social/networking opportunities.

For those who may be fairly new to the testing profession, or who may be looking to expand their horizons, we have two workshops to choose from: *An introduction to accessibility testing*; and *Implementation of testing in the systems development lifecycle*. Both are suitable for the 'beginner/novice' level. The *lifecycle* workshop is also suitable for those who consider themselves intermediate to advanced testers who want to learn more about organizational maturity measures and implementing successful corporate testing programs. For experienced testers, there are two more workshops: A detailed examination of *open source testing tools and ARIA authoring practices*; and *testing of mobile technologies*.

Testing is a bedrock element of any accessibility program. Without test results, it isn't possible to accurately gauge your current status, or track progress. The workshops, papers and panels to be presented this year further our collective goals of better, more purposeful implementation and management of accessibility testing programs in organizations, and improving the efficiency, repeatability, and quality of manual and automated test processes and tools.

We hope that you will join us for this year's event, and help the field collectively evolve and enhance accessibility testing practices.

We look forward to meeting you in Washington, DC in October for the second annual symposium.

Sincerely, Chris M. Law, Chair, 2017 Symposium Committee

Venue & Hotel

The symposium will take place at the Partnership for Public Service Conference Center, 1100 New York Avenue NW, Suite 200 East, Washington, DC 20005.

The conference hotel is located one block away, the Renaissance Washington, DC Downtown Hotel, 999 9th Street NW, Washington, DC 20001 .

- See the symposium website for more details on the venue and hotel.

Registration

The cost to attend the two day symposium is \$300.

The cost for workshops is \$200 for a full day, or \$100 for a half day.

To register, go to: ictaccessibilitytesting.org/Register.html

ASSETS 2017... Did you know?

Starting the Monday following the ICT Testing Symposium is the three day [ASSETS conference](#) (in Baltimore, MD, a short drive from Washington, DC). “The ASSETS conference explores the design, evaluation, and use of computing and information technologies to benefit people with disabilities and older adults.” ASSETS is the annual conference of the Association of Computing Machinery's Special Interest Group on Accessible Computing (ACM-SIGACCESS).



Our Friday lunch session at the ICT Testing Symposium, “*The Profession, and Professionals*”, will feature a speaker from SIGACCESS.

Note: The ICT Accessibility Testing Symposium is not affiliated with ACM-SIGACCESS or the ASSETS conference.

Discussions, meetings and break-outs

Speed business card exchange

- See page 8.

Meeting Space

With researchers and practitioners coming from far and wide, the event provides a great location for planned meetings as well as impromptu discussion among attendees:

Impromptu meeting space

On Thursday afternoon and Friday morning, there will be an area set aside that can be booked for impromptu meetings and break-out discussions. For this space there will be no advance booking prior to the Thursday.

Planned meeting space (**Final Call... deadline for requests is September 22**)

Two meeting rooms are also available to and can be booked at cost. Lunch can be ordered as an extra. To inquire about booking your meeting, send a message to the symposium chair. Bookings are on a first come, first served basis, with no bookings taken after September 22:

- Thursday 26: Up to 14 people, lunchtime only \$150;
- Friday 27: Up to 28 people, lunchtime only \$300.

Workshops, Wednesday October 25

Workshops are **full day** (\$200) or **half day** (\$100). All workshop fees **include lunch** and refreshments during the sessions. You are encouraged to **bring your own device** (laptop, tablet) for use in the workshop (there is wi-fi available). If you want to install any software being demonstrated, make sure you have administrator privileges on the device you are bringing.

Introduction to ICT Accessibility Testing
(Full day, 9:00 am – 5:00 pm)

Beginner/Intermediate Level

[Gian Wild](#), AccessibilityOz

The Accessibility Testing workshop will cover a whole range of testing requirements, starting with an overview of testing—who, when, what and how. This will be followed by an in-depth discussion, with exercises, of how to develop a scope analysis for a site (based on the W3C Evaluation Methodology). The afternoon will be spent looking at testing tools—with a demonstration of the main automated accessibility testing tools such as Deque’s WorldSpace, Level Access’ AMP, SiteImprove and OzART—followed by a demonstration and discussion of one-page testing tools such as WebAIM’s WAVE, the Paciello Group’s Color Contrast Analyzer, mobile testing tools and readability tools.

Learning objectives:

1. Get an introduction to the broad range of testing tools and methods that are currently used in the field.
2. Through hands-on use, learn about a wide range of testing tools, and get interactive demos of common automated accessibility testing tools.
3. Apply testing methods in practice, with scope analysis, and establishing representative test samples.

Open Source Tools for Evaluating and Inspecting Web Accessibility of Organizations to Individual Pages
(Full day, 9:00 am – 5:00 pm)

Intermediate/Advanced Level

[Jon Gunderson](#) & Marc McCarthy, University of Illinois at Urbana/Champaign

The workshop will provide a hands-on experience on how to use open source tools to evaluate and understand the accessibility of entire organizations to individual pages based on the W3C Web Content Accessibility Guidelines (WCAG) 2.0 Level A and AA requirements. Participants are encouraged to bring and use their own devices during the workshop to analyze websites of their choice. The workshop will use their results as a discussion point of how the tools provide information on accessibility and discuss the strengths and limitations of automated testing. The workshop will discuss how the OpenAjax evaluation library is based on the W3C HTML5 specification and ARIA Authoring Practices to meet WCAG 2.0 Level A and AA requirements. The workshop provides a listening point for the developers for workshop participants to provide feedback to improve the design and utility of the tools and to guide development of new features.

Learning objectives:

1. Using site-wide summary reports for planning, managing and reporting web accessibility.
2. Use of HTML5 and ARIA design techniques for meeting WCAG 2.0 requirements.
3. Inspecting the accessibility of an individual web page; and tracking the accessibility of websites over time.

508 and Mobile Accessibility: How, When, Where and Why (Half day, 9:00 am – 12:30 pm)

Intermediate/Advanced Level

Alyson M. Muff & Joseph Derosa,
ICF International

“Mobile accessibility” refers to making websites and applications more accessible to people with disabilities when they are using mobile phones and other devices. The idea of accessibility has extended into many communities as people differ widely in their physical state, mental state, style of use, and social-technological context. Contextual factors include: the physical state and capabilities of the person, the physical device, the task at hand, environment; social and technological components.

This workshop will present participants with an overview of the contextual factors that have significant impact on user performance, behavior, and outcome. This will be followed by a series of hands-on exercises that demonstrate the ways in which mobile device usability evaluation methods are being adapted to reflect technological advances with a serious focus on accessibility testing and the context-of-use parameters. These practice exercises will engage the audience and lead to dialogue concerning potential paths and future directions of investigation, best practices, and evaluation.

Learning Objectives

1. Conduct in-workshop presentation and exercise(s) including application of checklist and associated rules to select websites to vet the checklist and process with peers.
2. Become familiar with several available mobile application evaluation technologies and platforms and discuss pros and cons.

3. Perform evaluation of workshop checklist against the required established directives and discuss ‘going forward’.

Integrating Accessibility Across the Development Lifecycle (Half day, 1:30 pm – 5:00 pm)

Beginner/Intermediate/Advanced Levels

Jeremy Curry, Mark Miller & Kathleen Wahlbin, [Interactive Accessibility](#)

Many organizations struggle with how to support accessibility and maintain compliance over time. Real success comes from ensuring that accessibility is considered and implemented throughout the development lifecycle. Workshop participants will perform an accessibility development lifecycle maturity assessment and create an action plan that they can take back to their organization to improve their accessibility program. Round table discussions will focus on the following key topics: Strategies and challenges in integrating accessibility and organizational change; Process and testing strategies to ensure accessibility throughout the development lifecycle; Techniques for validation and measurement to ensure that efforts are producing results; and How to build accessibility knowledge throughout the organization

Learning Objectives

1. Define accessibility maturity and why it is important.
2. Understand key components to a successful corporate accessibility program.
3. Know how to assess accessibility maturity for your organization.

Wednesday Workshops Schedule

Registration, Coffee (from 8:30 am)

Workshops:

- **Introduction to ICT Accessibility Testing**
(Full day, 9:00 am – 5:00 pm)
- **Open Source Tools for Evaluating and Inspecting Web Accessibility of Organizations to Individual Pages**
(Full day, 9:00 am – 5:00 pm)
- **508 and Mobile Accessibility: How, When, Where and Why**
(Half day, 9:00 am – 12:30 pm)
- **Integrating Accessibility Across the Development Lifecycle**
(Half day, 1:30 pm – 5:00 pm)

Lunch (12:30 – 1:30)

- Included for all workshop participants

Wednesday evening Happy Hour Social (5:30 – 7:00)

- ‘Relax’ Room, Renaissance Hotel Lobby

Symposium

Thursday October 26

Registration, Coffee (from 8:15 am)

Session 1 (plenary, Thursday morning & lunch)

Opening Session Chair: Norman Robinson, Department of State

Welcome, logistics (9:00)

- Chris M. Law, Symposium Chair

Paul Schroeder, Keynote Speaker
(9:30)

Trust but Verify: The Value of Accessibility Policies and Testing to Support Commitments



For over three decades, Paul Schroeder has worked to improve public policies and programs to expand opportunities for people with disabilities. Paul is the Director of Public Policy at Aira, and was formerly the Vice President of Programs and Policy for the American Foundation for the Blind.

Paul discusses efforts to create policies such as the Communications and Video Accessibility Act and Section 508, and describes how testing and verification is critical to ensure that principles are put into practice to ensure accountability for results.

Break (10:30)

Best Paper Presentation (11:00)

- Details to be announced.

Lunch with the Keynote
(12:00 – 1.15)

This is a chance to get to know our Keynote Speaker. Paul Schroeder will be speaking about his career in policy, and you'll have a chance to pose your questions in this informal lunch event.

Ticket holders only.

(Note: Tickets were included for the first 75 registrants)

Session 2 (Thursday afternoon)

Track 1: Manual & Automated Web Testing [A] (1:30 pm – 4:30 pm including a 20 minute break)

Session Chair: Jon Avila, Level Access

Federal Website WCAG 2.0 Compliance and Accessibility Trends

Jon Gunderson, University of Illinois at Urbana/Champaign
Jonathan Lazar, Towson University
Zipporah Goldenfeld, University of Illinois

Agile Accessibility: Ensuring accessibility throughout the Agile development process

Andrew Nielson, New Editions Consulting

Panel. Accessibility Testing Conformance (ACT) Panel Discussion: Harmonize Accessibility Testing

- Wilco Fiers Deque Systems (Chair)
- Shadi Abou-Zarha, W3C Web Accessibility Initiative (WAI)
- Alistair Garrison, Level Access
- Katie Haritos-Shea, Knowbility
- Kathy Wahlbin, Interactive Accessibility

Track 2: Management, Operations & Policy (1:30 pm – 4:30 pm including a 20 minute break)

Session Chair: Laura Renfro, Renfro Consulting

Creating Professional Accessibility Reports

Tim Offenstein, University of Illinois at Urbana/Champaign

Why Usability Testing Should be Part of your Accessibility Testing Strategy

Peter McNally, Bentley University, User Experience Center

Accessibility: WCAG, Usability and Design

Irfan Ali, Jennifer Grant & Jason White, Educational Testing Service

Why Test: Getting Value from Accessibility Testing

Preety Kumar, Deque Systems

Speed business card exchange (4:40 pm – 6:00 pm)

This year we'll repeat the very popular and very fun networking event. Just bring your business card (and/or resume). It's like speed dating, but not that kind of dating! Meet new business contacts in this rapid fire discussion, and later on take advantage of our meeting space opportunities...

Wednesday evening Happy Hour Social (5:00 – 7:00)

- 'Relax' and 'Explore' Rooms, Renaissance Hotel Lobby

Friday October 27

Registration, Coffee (from 8:30 am)

Session 3 (Friday morning)

Track 1: Manual & Automated Web Testing [B] (9:00 am – 12:00 pm including a 20 minute break)

Session Chair: Jennison Asuncion, LinkedIn

Using JAWS as a Manual Web Page Testing Tool

Ryan Jones & Rob Steinberger,
Freedom Scientific (a VFO company)

Continuous Accessibility Inspection and Testing

Alistair Garrison, Level Access

Trusted Tester Updates for Section 508 (and WCAG 2.0)

Kathy Eng, U.S. Department of Justice

Integrating Accessibility & Usability Testing in High Stakes Assessments

Kris Anne Kinney, Jennifer Grant,
Jessica Silletti & Taiysha Hobbs,
Educational Testing Service

Track 2: Testing of Other Platforms (9:00 am – 12:00 pm including a 20 minute break)

Session Chair: Mark Lapole, eBay

Panel. EPUB Accessibility Conformance, Testing, and Certification: a Comprehensive Implementation

- George Kerscher, DAISY Consortium (Chair)
- Avneesh Singh, DAISY Consortium
- Marisa DeMeglio DAISY Consortium
- Rachel Comerford, Macmillan Publishing
- Amy Mason, NFB

From Desktop to Mobile Device: Who Is Left Behind? Moving Toward Global Accessibility Standards

Alyson M. Muff & Joe DeRosa,
ICF International

AED-COP, How it Helps Government Agencies Consistently Test and Remediate Electronic Documents for Section 508 Conformance

Nicshan Floyd, U.S Department of Homeland Security

Accessibility compliance for airlines around the world: Department of Transport (US) compliance

Gian Wild, AccessibilityOz

Session 4 (plenary, Friday lunch & afternoon)

Closing Session Chair: Chris M. Law, Accessibility Track Consulting, LLC

Lunch Session: "The Profession, and Professionals" (12:00)

Are you a member of a professional association relating to accessibility and technology? Should you be? Come and hear opinions (and share your own) on how best to advance the profession, and develop yourself as a professional in the field.

- Sharon Spencer, Managing Director, the International Association of Accessibility Professionals
- Professor Jinjuan (Heidi) Feng, Towson University; Secretary of ACM-SIGACCESS, the Association of Computing Machinery's Special Interest Group on Accessible Computing

Ticket holders only.

(**Note:** Tickets were included for the first 75 registrants)

Best Presentation Meeting (1.15)

- Committee members only

Best student paper (1:30)

The Development of a Wearable System for Pedestrian Navigation for Visually Impaired Users

Phillip Roberts, AMAC
Accessibility Solutions and
Research Center / Georgia Tech
MS-HCI

Awards (2:10)

Awards Chair: John Rempel, AMAC at Georgia Tech

- Best Student Paper (Student travel sponsored by Deque Systems, Inc. & Renfro Consulting)
- Best Paper (\$500 award sponsored by The Paciello Group)
- Best Presentation (\$500 award sponsored by Freedom Scientific)
- Social Impact Award

Workshop updates (2:15)

- Summary remarks from the workshop presenters

Break (2:30)

Closing Plenary Panel (2:45)

Accessibility Testing: The Present, The Future

- Anil Lewis, National Federation of the Blind (Chair)
- **Accessibility testing and integration across the development life-cycle**—Matt Feldman, The Paciello Group
- **Testing in Higher Education, and fostering the involvement of students in the testing field**—Cyndi Rowland, WebAIM, National Center on Disability and Access to Education, Utah State University
- **Standardization in testing and reporting methods**—Shadi Abou-Zahra, W3C Web Accessibility Initiative (WAI)
- **Accessibility testing and integration with the mainstream IT testing field**—Karl Groves, Tenon

Closing Remarks (3:45 – 4:00)

- Chris M. Law, Symposium Chair
- Norman Robinson, Co-Chair

Published proceedings

The proceedings for this event will be published online and in hard copy form. Both the accessible electronic copy and the hard copy will be included in the symposium registration. For reference, last year's proceedings can be downloaded at the conference website:

[ictaccessibilitytesting.org/docs/
Proceedings of the 2016 ICT Accessibility Testing Symposium.pdf](http://ictaccessibilitytesting.org/docs/Proceedings_of_the_2016_ICT_Accessibility_Testing_Symposium.pdf)

Important dates in 2017

Last day to... **Friday, September 22**

- Last day to request disability accommodations
- Last day to guarantee spots in preconference sessions
- Last day to book meeting rooms
- Last day to get guaranteed rate on room block at event Hotel (if not filled by this date)

Symposium registration closes: **Sunday, October 23**

There is no onsite registration.

2017 ICT Accessibility Testing Symposium Committee

- Shadi Abou-Zahra
Strategy and Technology Specialist,
W3C Web Accessibility Initiative (WAI)
- Jennison Asuncion
Engineering Manager (Accessibility),
LinkedIn
- Jon Avila
Chief Accessibility Officer, Level Access
- Matt Feldman
Director of Services, The Paciello Group,
A VFO Company
- Katherine Eng
Accessibility Specialist, Assistive
Technology Resource Center (ATRC),
Department of Justice
- Karl Groves
Founder and President, Tenon.io
- Sunish Gupta
Founder, MIT – Easy Alliance
- Allen Hoffman
Deputy Executive Director, The Office of
Accessible Systems & Technology,
Department of Homeland Security
- Maureen Kraff
Transformation Lead, IBM Accessibility
- Preeti Kumar
Founder & CEO, Deque Systems, Inc.
- Mark Lapole
Lead Product Manager, Accessibility,
eBay
- Chris M. Law (*Symposium Chair*)
Organizational Accessibility Consultant,
Accessibility Track Consulting, LLC
- Anil Lewis
Executive Director, National Federation
of the Blind Jernigan Institute
- Christine Loew
Director, Accessibility for Digital
Assessments, The College Board
- Earl McJett
Section 508 Coordinator, Federal
Deposit Insurance Corporation
- Eduardo Meza-Etienne
President & CEO, Meza Consulting,
LLC
- Karen Moyes
Section 508 Coordinator, Westat
- Andrew Nielson
Senior Program Manager, New Editions
Consulting, Inc.
- David O'Neill
Managing Director, Digital Inclusion for
the American Foundation for the Blind,
& CEO, AlwaysAccessible, Inc
- John Rempel (*Awards Chair*)
Quality Control & Training Specialist,
AMAC at Georgia Tech
- Laura Renfro (*Marketing &
Outreach Chair*)
Senior Accessibility Lead, Renfro
Consulting
- Norman Robinson (*Symposium
Co-Chair*)
Agency Section 508 Program Manager,
Department of State
- Madeleine Rothberg
Senior Subject Matter Expert, National
Center for Accessible Media / WGBH
- Cyndi Rowland
Executive Director, WebAIM, Utah
State University
- Gian Wild
Founder, Owner & CEO,
AccessibilityOz