



# Accessibility Testing Symposium

## Preliminary 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 Preliminary Program is subject to change)*

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2017 ICT Accessibility Testing Symposium Committee

Keynote Speaker: Paul Schroeder



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 will be speaking on the subject of relating testing programs to internal and external policies.

## 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 the Implementation of testing in the systems development lifecycle. Both are suitable for the 'beginner/novice' level, while 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 is not possible to accurately gauge your current status, or track progress towards meeting progress targets. 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, Washington DC.

The conference hotel is located one block away, the Renaissance Washington, DC Downtown Hotel .

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](http://ictaccessibilitytesting.org/Register.html)

## Bonus Lunch events for the first 75 registrations

For the first 75 attendee registrations only, lunch at these events is included:

### **Lunch with the Keynote (Thursday 26th)**

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

### **“The Profession, and Professionals” Lunch (Friday 27th)**

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
- A representative (to be confirmed) of ACM-SIGACCESS, the Association of Computing Machinery's Special Interest Group on Accessible Computing
- Moderator: To be named.

## **Discussions, meetings and break-outs**

### Speed business card exchange

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...

### 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**

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, 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, Intermediate/Advanced Level**

[Jon Gunderson](#), 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

### **Morning half day, Intermediate/Advanced Level**

Earl McJett, Section 508 Coordinator, Federal Deposit Insurance Corporation (FDIC),  
Alyson M. Muff & Joseph Derosa, FDIC  
Center of Excellence Trusted Testers

“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

### **Afternoon half day, Beginner/Intermediate/Advanced Levels** [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.

## Symposium Program (Thursday October 26 & Friday October 27, 2017)

### Manual & Automated Web Testing

#### 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

#### Agile Accessibility: Ensuring accessibility throughout the Agile development process

Andrew Nielson, New Editions Consulting

#### Integrating Accessibility & Usability Testing in High Stakes Assessments

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

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

- Wilco Fiers Deque Systems
- Shadi Abou-Zarha, W3C
- Alistair Garrison, Level Access
- Katie Haritos-Shea, Knowbility
- Kathy Wahlbin, Interactive Accessibility

### 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

### Testing of Other Platforms

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

Alyson M. Muff, Prasenjit Adak & Joe DeRosa, Federal Deposit Insurance Corporation (FDIC)

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

- George Kerscher, DAISY Consortium
- Avneesh Singh, DAISY Consortium
- Marisa DeMeglio DAISY Consortium
- Rick Johnson, VitalSource
- Charles LaPierre, Benetech
- Rachel Comerford, Macmillan Publishing
- Amy Mason, NFB

#### 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

## 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

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## Management, Operations & Policy

### 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

Paul Davidson, Deque Systems

## 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%20of%20the%202016%20ICT%20Accessibility%20Testing%20Symposium.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, SSB Bart  
Group
- 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 Kraft  
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