

Accessibility Workshop

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- Importance of ePub to Learning
- Accessibility Progress since EDUPUB1
- Introduce our accessibility panelists
- Panel Discussion and questions



- Leverages Open Web Technology designed to support accessibility standards now and in the future used in browsers
 - Now: WAI-ARIA, HTML5
 - Future World Wide Web Consortium
 - SVG2
 - Canvas
 - ARIA ePub structural semantics
 - ARIA Graphics
 - IndieUI device Independence
 - Indie UI Context
 - Cognitive Accessibility Advancements
 - Future
 - Accessible test assessment
 - Accessible shared annotations and assessments across your cloud
 - Personalized access – essential for cognitive impairments
 - Inclusive access to Digital Math
- Accessible book solution that will operate on mobile devices as well as desktop
 - Mobile devices are becoming the preferred device for access to ICT by people with disabilities



- LRMI and Accessibility Integration into EPUB3
 - New [Draft](#) by Matt Garrish, Madeleine Rothberg, and Michael Jay integrating Accessibility Meta from schema.org and LRMI packaging meta data into ePub
- Radium Implementation of an accessible Reading System
 - Talks now with members to produce a white paper accessibility guide for ePub reader developers
- Open Annotations Markus Gylling – W3C Digital Publication Interest Group Conducted accessibility review within the Digital Publishing Interest Group
- Forum on Assessment/STEM - Rich/Mark Hakkinem
 - Discussing Establishment of WAI-ARIA subteam to support semantic assessment (QTI, etc.)
 - Discussed possible addition of STEM-related graphics for ARIA graphics module
 - ETS will commit resources



- W3C WAI-ARIA Standards effort
 - WAI-ARIA 1.0 now advanced to Proposed Recommendation
 - Addition of aria-describedby for Diagram project in ARIA 1.1
 - Development of a new module on ePub structural semantics
 - Development of a new module on graphic semantics (Including STEM)
- Accessibility Meta data from schema.org is also being harmonized into Access4All from IMS along with APIP
- W3C SVG 2.0 now supports WAI-ARIA and keyboard support
 - Greater Integration with HTML5 (Events, scripting support, etc.)
 - New User Agent Implementation Guide to be done for SVG
- [IBM/IDPF Announcement](#): ePub going to broader adoption in enterprise
 - Mobile
 - Cross-platform, rich Web accessibility
 - Interactive documents portable across your social cloud

***Advantages of ePub are too compelling
Like IBM, industry should make the switch***



- Gerardo Capiel – VP Of Engineering, Benetech
- Anastasia Cheetham, Software Developer, Inclusive Design Research Center
- Matt Garrish, Electronic Publishing and Accessibility Consultant
- Mark Hakkinen, Researcher ETS
- Rock Mathis, VP Architecture Pearson Education
- Madeleine Rothberg, Project Director WGBH NCAM
- Christen Vinten-Johansen, Manager, Accessibility Team, Teaching and Learning with Technology, Penn State University
- Paul Schroeter, Director of Content Operations, CourseMart



- Discuss Accessibility and innovative Assessment/STEM and ePub: Mark Kakkinen
 - Discuss Use Cases
 - widget library
 - APIP that brings in TTS Assessment
- Math Accessibility: Gerardo Capiel
 - Discuss the current work under way and how can get involved.
 - Discuss Google Math spoken rendering add-on for Radium.
 - Discuss MathJax conversion to SVG
 - Discuss MathML embedding in SVG renderings and discussions with Freedom Scientific and MathJax people on how best to do this.
- A11y Metadata next steps
 - Driving new a11y meta data adoption of schema.org, Madeleine Rothberg, Gerardo Capiel, Matt Garrish
 - APIP Integration -
 - Authoring Tools and OER Authoring Tools - Anastasia Cheetham
 - LRMI and A11y metadata integration (Madeleine, Matt Garrish)