Welcome to the 2017 Learning Impact Leadership Institute!

On behalf of the IMS Global Learning Consortium Board of Directors and staff, we welcome you to the 11th annual Learning Impact Leadership Institute. We have an exciting program planned for you.

Creating an ecosystem of educational technology products that work together requires collaboration and leadership to guide the work forward. IMS member organizations around the world, universities, school districts, ministries of education, and suppliers of all sizes, are making progress towards creating an open ecosystem of interoperable products. This year’s program is focused on what the community needs to do next to accelerate progress and ensure our technology investments improve learning impact.

To kick things off, there are two ½-day Summits being hosted by our K-12 and HED Institutional Leadership Boards. The Summits will provide institutional attendees a forum to discuss, share and advance progress towards creating the future edtech ecosystem to better support student-centered learning. Through a series of 15-minute lightning talks, our plenary speakers will share their perspectives about where we are currently, what needs to happen to improve collaboration, and why it is important that together we create an open edtech ecosystem. Our closing panel of industry analysts, investors and ed tech leaders will share their insights about what they are seeing in the education technology market to drive progress towards enabling effective digital learning environments.

We are excited to once again host the Learning Impact Awards competition. There are 38 technology projects competing as finalists who will each be displaying their projects during the breaks and receptions. Please visit with them and then rate each project for its learning impact potential (see page 3 for details). The winners will be announced during the Awards Luncheon on Thursday along with the recipients of our IMS Leadership Awards and the William (Bill) H. Graves Leadership Award.

As always, we have built in numerous breaks and daily receptions to provide you with plenty of opportunities to catch up with colleagues and peers, and to forge new relationships. As you enjoy the networking opportunities, please take time to visit with our exhibiting sponsors. Of course, we couldn’t host an event like the Learning Impact Leadership Institute without the support of our sponsors. A special thank you goes out to the following organizations for their support and leadership to help make this a world-class event.


**Platinum:** ACT and D2L

**Gold:** Blackboard, itsLearning, Pacific Metrics and SPIGlobal

**Silver:** AEFIS, ClassLink, eXplorance, IBM, LearningMate, ReadSpeaker and SMART

**Bronze:** ETS, TextHelp and Turnitin

**Caliper Bootcamp Sponsor:** Intellify Learning

Finally, we conclude the week with the IMS Technical Congress and time set aside for the technical workgroups to come together to set priorities for the coming year based on the discussions and ideas shared during the conference.

Together we are creating the future of edtech! Best regards,

[Signature]

Rob Abel
Chief Executive Officer
IMS Global Learning Consortium
### Schedule Overview

**Tuesday, May 16**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>Registration Desk Open</td>
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| 8:30 am – 10:00 am | Learning Impact Awards (LIA) Evaluator Panels & Interviews - Group 1  
**LIA Finalists and Evaluators Only**  |
| 8:30 am – 10:00 am | Learning Impact Awards (LIA) Evaluator Panels & Interviews - Group 2  
**LIA Finalists and Evaluators Only**  |
| 9:00 am - 2:00 pm | Vendor Table Set-up                                                                       |
| 9:00 am - 5:00 pm | OneRoster Collaborative Meeting  
**Invitation Only**  |
| 9:00 am - 5:00 pm | IMS Assessment/Accessibility Session  
**Invitation Only**  |
| 10:00 am - 12:00 pm | K-12 and HED Institutional Leadership Board Meetings  
**Closed Sessions for Contributing Member Institutions**  |
| 12:00 pm – 1:00 pm | Lunch for LIA Finalists, Evaluators and Summit Participants                              |
| 1:00 pm – 5:00 pm | K-12 and HED Summits  
**Closed for Institutional Attendees, Summit Sponsors, and Learning Impact Leadership Institute Diamond and Platinum Sponsors**  |
| 1:00 pm - 5:00 pm | Digital Credentials and Badges  
**Executive Board Meeting  
Invitation Only**  |
| 3:00 pm – 3:30 pm | Break – **Vendor Tables Open**                                                            |
| 5:00 pm – 6:30 pm | Reception - **Vendor Tables Open**                                                        |
| 7:00 pm – 9:00 pm | IMS Board of Directors Dinner  
**Invitation Only**  |
| 2:35 pm – 3:50 pm | Concurrent Breakout Sessions                                                              |
| 3:50 pm – 4:20 pm | Break – **Vendor Tables Open**                                                            |
| 4:20 pm – 5:45 pm | General Session Lightning Talks                                                           |
| 5:45 pm – 6:30 pm | **Reception - Vendor Tables Open**                                                        |
| 7:00 pm – 9:00 pm | Dinner for HED & K-12 Institutional Executive Boards and Diamond Sponsors                 |

**Wednesday, May 17**

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<th>Time</th>
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<tr>
<td>7:30 am – 8:30 am</td>
<td>Breakfast</td>
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<tr>
<td>7:30 am – 5:00 pm</td>
<td>Registration Desk Open</td>
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<tr>
<td>8:30 am – 10:15 am</td>
<td>Opening General Session &amp; Lightning Talks</td>
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<td>10:15 am – 10:45 am</td>
<td>Break – <strong>Vendor Tables Open</strong></td>
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<td>10:45 am – 12:00 pm</td>
<td>Concurrent Breakout Sessions</td>
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<td>Lunch</td>
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<td>1:00 pm – 2:15 pm</td>
<td>Concurrent Breakout Sessions</td>
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<td>2:15 pm – 2:35 pm</td>
<td>Break – <strong>Vendor Tables Open</strong></td>
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**Thursday, May 18**

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<th>Time</th>
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<tr>
<td>7:30 am – 8:30 am</td>
<td>Breakfast</td>
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<tr>
<td>7:30 am – 5:00 pm</td>
<td>Registration Desk Open</td>
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</table>
| 8:30 am – 10:30 am | Bootcamps and Plugfest  
**Separate Registration Required**  |
| 8:30 am – 10:30 am | Concurrent Breakout Sessions                                                              |
| 10:30 am – 11:00 am | Break – **Vendor Tables Open**                                                            |
| 11:00 am – 12:30 pm | General Session Final Lightning Talks and Closing Responder Panel                         |
| 12:30 pm – 2:00 pm | **Awards Luncheon: Presentation of the Member Leadership Awards, Learning Impact Awards, and the William H. (Bill) Graves Leadership Award**  |
| 2:00 pm – 5:00 pm | **IMS Member Meeting and Technical Congress**                                             |
| 3:15 pm – 3:45 pm | Break                                                                                     |
| 5:00 pm – 6:00 pm | Reception                                                                                  |

**Friday, May 19**

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<th>Time</th>
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<tr>
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<tr>
<td>9:00 am – 10:00 pm</td>
<td>IMS Technical Workgroup Meetings</td>
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<td>Break</td>
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Please take a few moments to complete a short conference evaluation: [imsglobal.org/lili17attendee](http://imsglobal.org/lili17attendee)
Evaluate the 2017 Learning Impact Awards Finalists

There are 38 technology projects competing as finalists for the 2017 Learning Impact Awards. We encourage you to visit with the finalists during the breaks and receptions to learn how they are using educational technology to address the most significant challenges facing education. Then rate each project for its learning impact potential. Winners will be announced during the Awards Luncheon on Thursday, May 18.

Rate projects on a scale of 1=low impact potential to 5=highest potential for learning impact.

Voting closes at noon (MDT) on May 17. Go to: imsglobal.org/vote2017lia

Conference Agenda

<table>
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<th>TUESDAY MAY 16</th>
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<tr>
<td>8:00AM-5:00PM</td>
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<tr>
<td>Registration Desk Open</td>
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<tr>
<td>Venue - South Convention Lobby</td>
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</table>

| 8:30AM-10:00AM |
| Learning Impact Awards Finalist Presentations to Evaluators - Group 1 |
| Closed session for the 2017 Learning Impact Awards finalists to present their projects to the evaluators. |
| Venue - Tower Court C |

| Learning Impact Awards Finalist Presentations to Evaluators - Group 2 |
| Closed session for the 2017 Learning Impact Awards finalists to present their projects to the evaluators. |
| Venue - Tower Court D |

| 9:00AM-2:00PM |
| Vendor Table Set-Up |
| Venue - South Convention Lobby |

| 9:00AM-5:00PM |
| OneRoster Collaborative (Private Meeting) |
| Venue - Vail |
| Assessment / Accessibility Special Session (Private Meeting) |
| Venue - Denver |

| 10:00AM-12:00PM |
| HED Institution Leadership Board Meeting (Closed Session for Contributing Member Institutions) |
| HED Summit for Institutions |
| Venue - Silver |
| K-12 Institution Leadership Board Meeting (Closed Session for Contributing Member Districts) |
| K-12 Summit for Districts |
| Venue - Columbine |

| 12:00PM-1:00PM |
| Lunch for LIA Finalists, Exhibitors and Summit Attendees |
| Networking |
| Venue - Grand Ballroom I |

| 1:00PM-5:00PM |
| HED Summit for Institutions: Accelerating the Evolution towards Better Digital Learning Experiences and Insights |
| HED Summit for Institutions |
| Venue - Grand Ballroom II |

Using learning data and accessibility as a lens, this Summit takes a close look at how academic and IT leaders are collaborating to procure...
easy access to learning data and analytics from any educational application or platform. Session leaders will discuss the latest trends in digital tools and content and the opportunities to improve the student experience. And we will explore emerging models for vetting educational technology to maximize investments and resources as institutions move toward an open plug-and-play ecosystem.

Closed Session for HED Institutions, Summit Sponsors, and Diamond / Platinum Sponsors for the Learning Impact Leadership Institute

K-12 Summit for Districts: Using Data and Analytics to Support Student Centered Learning

With the myriad of digital systems that school districts are using today, student performance information and usage data exists in silos. What processes, strategies and technologies will help aggregate data across the digital ecosystem? IMS Global’s K-12 Summit brings together thought leaders to explore these issues, learn from each other and determine how to ensure student success using data and analytics.

Closed Session for K-12 Institutions, Summit Sponsors, and Diamond / Platinum Sponsors for the Learning Impact Leadership Institute

Digital Credentials & Badges Executive Board (Private Meeting)

Break

Opening Reception and Visiting with Exhibitors

Dinner for IMS Board of Directors

WEDNESDAY MAY 17

Breakfast

Registration Desk Open

Opening General Session: Enabling a Plug and Play Ecosystem to Support Innovation and Student Success

A new buzz about next generation digital learning environments seems to be taking hold in both K-12 and Higher Education as the transition to digital resources, tools and apps gains momentum and scale. The buzz has some technical elements: architecture, data, interoperability and standards. But it also has some strategy elements: How do curriculum, instruction & IT come together in a cohesive whole to take advantage of the latest trends in education to reimagine teaching and learning? In this opening session, Dr. Rob Abel will share IMS Global’s perspectives about what the buzz is all about and how leading institutions and suppliers around the world are at the forefront in leading the revolution that will enable more seamless user experiences and actionable data to improve learning impact. It’s a revolution to create the future of EdTech together.

Speaker: Rob Abel, IMS Global Learning Consortium

General Session: Creating the Future EdTech Ecosystem Together Lightning Talks

The plenary sessions will be presented by recognized industry leaders through a series of vibrant 15-minute lightning talks focused on this year’s theme of Creating the Future EdTech Ecosystem Together. Speakers will share their perspectives about what is needed to enable the future of education faster and how their organization is helping to accelerate progress.

Lightning Speakers: Tim Beekman, SAFARI Montage; Ken Brooks, Macmillan Learning; Rick Johnson, VitalSource Technologies; Keith Krueger, CoSN; Anthony Salcito, Microsoft; Lenny Schad, Houston ISD; Serena Sacks, Fulton County Schools

Break

Step-by-Step: The Journey of Digital Credentials

Badges have been the shiny, new technology that many are excited about without understanding how and why to apply them. Break through the hype and dig into the true value of badges. Review the journey of digital credentials, considerations for going digital, and best practices for moving towards digital credentials. Case studies of organizations currently offering digital credentials will provide a glimpse into the present and not-so-distant future of this technology.

Speakers: Peter Janzow, Pearson Acclaim; Kate Radionoff, Madison College
Wednesday, May 17

**Membership, Provisioning and Analytics**

- Educational Data & Analytics Track
  - When it comes to reading the textbook, the earlier you start, the better. Join us for a discussion that explores how VitalSource is using the membership service to ensure that students have their textbooks on the first day of class and that they start off on the right foot by reading their assignments.

**Cohesive e-Assessment using LTI, OneRoster, QTI, and Caliper Analytics**

- Effective & Integrated e-Assessment
  - Use of LTI, OneRoster, QTI, and Caliper Analytics standards can facilitate a cohesive testing experience for students and teachers as they can help unify summative and formative test functionality, resulting in elimination of intrusive administrative tasks while increasing the sophistication of available analytics. This presentation will demonstrate how each interoperability standard contributes to better e-assessment based on our experiences building and integrating an assessment platform designed for both summative and formative e-assessment.
  - Speakers: **Adrian Hutchinson**, Pacific Metrics Corporation; **Bill Mistretta**, Pacific Metrics Corporation

**Voice and Handwriting Recognition in Complex Assessments**

- Enhancing Accessibility for All
  - We are now on the brink of a new and exciting phase of evolution in EdTech. Innovative assistive technology with features including voice handwriting recognition tools are taking education to the next level. In so many aspects of educational materials, especially assessment, this feature is a breakthrough for those in need. A set of innovative tools that resolves many challenges during complex testing and results evaluation will be presented on this session.
  - Speaker: **Chris Kelly**, Competentum

**New and Emerging Partnerships: Strategies: Prioritization, Adoption & Support of Tools**

- HED Technology Ecosystem Track
  - In the weeks leading up to the start of a term, IT departments are inundated by requests from faculty to deploy new edtech tools. Managing these demands, setting priorities for deployment and maybe even saying no is as much about the art of negotiation and expectation management as it is about the technology. To avoid creating unnecessary tensions between IT and campus stakeholders, developing a strategy for growing a school’s digital ecosystem that includes a request and adoption process that is flexible and timely is key. This session will explore how different campuses are revitalizing partnerships to create a highly engaged workflow for tools requests, while fostering collaboration to co-construct the institution’s edtech ecosystem.
  - Speaker: **Sean DeMonner**, University of Michigan; **Jason Fish**, Purdue University; **Matthew Gunkel**, Indiana University

**Integrating Digital Content to Improve Outcomes at Cuyahoga Community College**

- Integrated & Effective Digital Content
  - This session explores Digital Courseware for high enrollment, general education courses such as Psychology, Developmental Math and Economics, designed from the ground up to be aligned to Outcomes, Learning Objectives and Skills. We will review the impact this has on student engagement, content efficacy and on insights for instructors, coaches and mentors to support students.
  - Speakers: **Sean O’Connor**, BNED LoudCloud; **Donya Waugh**, Cuyahoga Community College - Western Campus

**Student Engagement, Resource Usage & Assessment Result Reports via Caliper**

- K-12 Technology Ecosystem Track
  - OpenEd is a division of ACT. ACT uses Caliper both internally and to share data with LMS’s. We will show how we did our first implementation, and highlight metrics, including the following: 1) correlations between resource usage and assessment performance; 2) student engagement with blended learning resources; 3) time on learning goal; 4) gaps in resource availability. We use these metrics to improve resource selection. Also, LMS partner feedback helps us refine what data to make available.
  - Speaker: **Adam Blum**, Open Ed, Inc.

**The Consumer Conundrum**

- Plug & Play Ecosystem of Platforms & Apps
  - Virtually everyone in education has added richness to their teaching and learning experience by using a learning platform to launch a third-party tool. But what happens when a learner wants to use two core learning platforms at the same time? In this session, we’ll explore the customer-driven LTI development work between Canvas and PebblePad. This project blurs the distinction between tool and consumer, enhancing the learning experience for a fast-growing user base.
  - Speakers: **Melissa Loble**, Instructure; **Shane Sutherland**, PebblePad

**Digital Credentials for Digital Learners**

- Digital Credentials & CBE Track
  - Learners invest in education to propel them forward in their careers and life, and yet, learning outcomes are murky and official credentials are locked in their paper format. Parchment works with more than 20 percent of postsecondary institutions to provide a credential management platform that helps learners turn their credentials into opportunities.
  - Speakers: **Bhavesh Bambhrolia**, Temple University; **Matthew Pittinsky**, Parchment; **Michael Rendon**, Texas A&M University - Corpus Christi

**Real Time IMS Caliper Events: A Working Model**

- Educational Data & Analytics Track
  - Instructure and UC Berkeley have collaborated to enable the flow of IMS Caliper 1.1 formatted real-time events from a vendor-hosted LMS to an institutional Learning Record Store (LRS). Working closely with the IMS Caliper technical team, Instructure has instrumented
a subset of the Canvas LMS Live Events service. These Caliper events are being consumed by an SQS endpoint feeding UC Berkeley’s AWS-native LRS and are being expressed through a student-facing LTI dashboard prototype. Is this another milestone for learning data interoperability? Come hear about the challenges, progress, and future prospects.

Speakers: Sandeep Jayaprakash, UC Berkeley; Chris Ward, Instructure

**CAT in the Box: Introducing a Standard on Computer Adaptive Testing**

Computer Adaptive Testing (CAT) has been around for a long time. Unfortunately, implementations of CAT have always been proprietary and not interoperable. To address this, IMS formed a Workgroup in 2016 to formulate a Standard on CAT: a set of best practices to extend QTI to include all necessary data and define a much needed API for adaptive engines. During this presentation, we will discuss past and future implementations of CAT and best practices defined.

Speakers: Arjan Aarnink, Cito; Mark Molenaar, Open Assessment Technologies

**Accessibility Training, Remediation, and Tracking: A Case Study with Ally**

In response to state and local policies, the Washington State Community and Technical College (WSCTC) system is working to improve course content accessibility through a seven college pilot using Blackboard Ally. Designed to integrate with several LMSs, Ally allows faculty to scan their courses for accessibility problems, recommend ways to make materials more accessible, and provide institutional accessibility data. This presentation will discuss feedback from faculty, staff, and students and demonstrate how Ally is helping WSCTC meet their accessibility goals.

Speakers: Steve Gance, WA State Board for Community & Technical Colleges: Nicolaas Matthijs, Blackboard

**Keeping on Course: The UCF Online Student Performance**

UCF has developed an online student performance dashboard that draws upon LMS data to present a visually-appealing tool for student planning and success. Students are shown their status, assigned a goal for improvement, and given the ability to easily prepare a plan for achieving it. This session will describe the dashboard project, demonstrate its functionality, and share the results of 2016 pilots.

Speaker: Tom Cavanagh, University of Central Florida

**From the Traditional Class to the Un-Classroom: Bridging Gaps between K-12 and HED**

K-12 is quickly transitioning to a classroom where every student is immersed in a digital curriculum. Today’s elementary students are tomorrow’s incoming freshman, and many higher education institutions won’t meet their expectations. As this new generation moves from an “unclassroom-like” experience into a predominantly traditional approach to teaching, what needs to happen? Join two institutional leaders as they discuss how the classroom is transforming in K-12, the impact it has on HED, and what opportunities this offers to K-20 educators and learners.

Speakers: Lloyd Brown, Baltimore County Public Schools: Jack Susu, University of Maryland, Baltimore County

**Benefits/Challenges of Designing a Personalized Learning Digital Ecosystem**

Personalized learning is a transformation of the ‘factory-based’ educational model. Moving toward student-centered methods of learning requires re-imagining the teacher’s role in the classroom, from all-knowing provider of information to the role of coach or guide who uses data to inform instruction. A constructivist approach that encourages students to actively drive their learning is the new normal. In this session, participants will brainstorm about technology systems and tools to support this new environment.

Speakers: Beatriz Arnillas, itislearning; Brenda Quintanilla, Houston ISD

**Turnitin and Mindtap: A Learning Tools Interoperability Cookbook**

This presentation will outline how Turnitin has been integrated in the Cengage Mindtap platform using a spectrum of LTI specifications. It is intended to be practical and recipe oriented session that will answer several questions. What integration issues were encountered? How were the issues resolved? Did the specifications give us an answer? Did we have to go out-of-specs territory? We hope the attendants will learn from this cookbook and even propose their own ideas on how to address integration issues.

Speakers: David Dyke, Turnitin; Jennifer Earl, Turnitin; Claude Vervoort, Cengage
You Must Work for Your Data Before It Can Work for You

Collecting and aggregating data from multiple sources seems simple enough, right? Especially when utilizing an industry specification, how could it possibly be that difficult? Not so fast! This presentation will walk attendees through McGraw Hill’s journey of utilizing the IMS Caliper specification to capture, transmit, and aggregate student performance across multiple activity types in multiple sources. We'll touch on the challenges faced, lessons learned, and the powerful insights the data provided.

Speakers: Todd Greene, McGraw-Hill Education; Jon Greene, McGraw-Hill Education

Do the Math: Implementation of Standard Math Interaction Types in aQTI

The aim of this session is to open a conversation about what types of math item interactions would most benefit from incorporation into the IMS aQTI specification. To facilitate the conversation, presenters, which include vendors and end users will discuss tools and platforms used in K-12 math assessments and share thoughts on how to integrate the most effective math interaction types into the aQTI specification.

Speakers: Dr. G. Anthony Benners, New York City Department of Education; Howard Everson, SRI International; Mark Molenaar, Open Assessment Technologies; Nate Ober, Questar Assessment; Guillermo Tejeda, New York City Department of Education

How Technology Standards Keep Standardized Testing from Becoming an Oxymoron

A number of states have experienced widespread online testing outages in the middle of their annual, high-stakes assessments. What do failing online assessments mean to students sitting in front of tests they need to pass in order to graduate from high school? What do failing online assessments mean to the teachers whose evaluations are tied to students’ test scores? This presentation explains how technology standards, including APIP, help keep standardized testing from becoming an oxymoron.

Speaker: Dale Cornelius, Maryland State Department of Education

The New Learning Ecosystem at HigherEd.org: Personalized CBE Using OER

This session showcases a new online portal and learning ecosystem at HigherEd.org, created as part of a DOL TAACCCT grant. The portal helps individuals “curate their own learning.” After creating a profile, a custom dashboard is provided to create personalized learning plans. An entirely new type of search engine is offered to help learners find and document competencies they already have and work on new ones. All free using open source tools! Add your content/credentials.

Speaker: John Milam, Lord Fairfax Community College

Enhance Your LMS with an Interoperable Repository of Digital Resources

Discover how the integration of your LMS with an IMS standards-based Learning Object Repository (LOR) enables educators to enrich their assignments, quizzes and courses with curated and created resources from various publishers and sources. Learn how Lee County Schools has integrated Google Classroom with their LOR to provide their teachers and students with federated search access to educational publisher courseware, Open Educational Resources, user-created Google Drive files, a video streaming library and other interoperable resources.

Speakers: Dwayne Alton, The School District of Lee County; Rob Stratton, School District of Lee County

Standards Organizations & Diverse Stakeholder Communities Working Together

The needs for data and technical interoperability are growing, as is the use of data by a wide range of stakeholders. Educators working within student-centered digital learning ecosystems, education researchers, and policy makers are using real-time, integrated data for more immediate and action-oriented purposes. EdTech standards organizations are working together to respond to the various needs for improved use and usability of education data. Panel members will describe their experiences and plans for the future.

Speakers: Sean Casey, Ed-Fi Alliance; Jim Goodell, CEDS/QIP; Eric Jansson, Ed-Fi Alliance; Kurt Kiefer, Wisconsin Department of Public Instruction

Gamifying Social Learning in the LMS

Does gamifying social learning activities increase peer-to-peer exchange, or does it lead to gaming behaviors that detract from learning? What kinds of metrics best represent student social participation and community impact, as well as identify system gaming?

This talk explores data collected from two undergraduate courses that implemented a gamified, student-facing analytics LT1 app called the Engagement Index, which visualized participation on a points leaderboard and in social learning analytics report.

Speaker: John Scott, University of California at Berkeley

Experience: A New Model for Building Open Badging and Credentialing

Do you want a to find a better solution to enable digital credentialing, connect learners to peers, coaches, mentors, and employers, use system data to help authenticate and validate learner outcomes, and provide a digital learning ecosystem? The University of Wisconsin-Extension division of Continuing Education Outreach and eLearning/University Learning Store partners with Fidelis Education to share their story and answer to these challenges through a new credentialing model.

Speakers: Timothy Harrington, Fidelis Education; Moses Wolfenstein, The University of Wisconsin-Extension (UWEX) division of Continuing Education Outreach and eLearning/University Learning Store
### Big Data Analytics & Student Success: Generated by Students, for Students

This session will provide a look at Purdue University’s new big data and learning analytic tool, Forecast, and discuss how it is helping put student success back into the hands of the people, the students. This session will also address some of the challenges of creating a tool with students as the primary stakeholders.

**Speaker:** Rachel Clark, Purdue University

### Kids Celebrate Their Learning using QTI and Caliper

In this session we will present a new assessment application consisting of small tests (using QTI) that aim to measure very small learning objectives in math. A student is able to celebrate their learning achievements when a specific learning objective is reached. A teacher dashboard helps teachers keep track of their students’ performances. The system uses Caliper to track and process planning and assessment events.

**Speakers:** Marcel Hoekstra, Cito; Saskia Wools, Cito Lab, Cito

### A Deep Dive into EPUB 3.1 and Accessibility

Industry leaders, including publishers and content providers, have been searching for a gold standard for delivering universally accessible content. In this session, representatives from VitalSource, a major publisher, and Tech for All will present the EPUB 3.1 standard and discuss its advantages over other vehicles for content delivery. The presentation will include a live demonstration of the creation of a compliant EPUB 3.1 e-text delivered accessibly on multiple desktop and mobile platforms. This is the first of three related sessions.

**Speaker:** Rick Johnson, VitalSource Technologies

### Can We Change the Game and Move from Adaptive to Adaptable Learning?

The growing use of adaptive learning has led to significant questions about “walled garden” courseware, data-informed multiple learning paths, and what is needed to create a more integrated and adaptable ecosystem. Join Dale Johnson, co-chair of the Adaptive Learning Innovation Leadership Network, as he dives into what requirements are needed to move from an adaptive to adaptable learning ecosystems using three IMS standards (LTI, Thin Common Cartridge, and Caliper) in concert.

**Speaker:** Dale Johnson, Arizona State University

### Enhancing Teaching and Learning with Digital Courseware

Identifying the right digital courseware when building a quality ecosystem to support learning can be incredibly challenging. Understanding implementation impacts for students and faculty can be even more daunting. By reviewing quality frameworks available through the Online Learning Consortium, participants will identify best practices and standards of excellence that can be applied to assist in creating a well-integrated technology ecosystem.

**Speakers:** Jennifer Mathes, Online Learning Consortium; Karen Pedersen, Online Learning Consortium

### Interdependence in a Digital Ecosystem: Academics, Innovation & Technology

Baltimore County Public Schools (BCPS) is strategically building interdependent relationships between technology, academics and partners to create a digital ecosystem that delivers seamless technology solutions to transform teaching and learning. Understand how the country’s 25th largest school systems’ instructional and technical teams architected their customized digital ecosystem. Learn how they are stretching boundaries through visioning, strategic planning, and continuous improvement. See how this evolving digital ecosystem is supporting BCPS’ transformation of teaching and learning.

**Speakers:** Lloyd Brown, Baltimore County Public Schools; Ryan Imbriale, Baltimore County Public Schools; Jeanne Imbriale, Baltimore County Public Schools

### Implications of Learning Analytics Research for LMS Course Design

Can we analyze different ways that the LMS is used and make recommendations for course designs that will improve engagement? Drawing on two studies of differing scale, conducted independently -- 1,400 courses at UMBC in 2013-14 and 70,000 courses hosted by Blackboard in 2016 -- this session will discuss complementary (and contrasting) methods and findings, and explore implications about LMS course redesign as a scalable form of institutional intervention for improved student achievement.

**Speakers:** John Fritz, University of Maryland; John Whitmer, Blackboard

### Bringing Transparency to the Skills Gap: Digital Credentials in Action

In 2013, Colorado manufacturers approached the Colorado Community College System to address a shortage of 15,000 qualified workers. CCCS teamed up with employers to define 17 competencies required of prospective hires in the advanced manufacturing industry. As students demonstrated these competencies, they earned standardized, portable digital badges that were readily consumed by the industry that helped create them. Come hear how collaboration and transparency helped one state close the skills gap and unlock job opportunities.

**Speakers:** Jonathan Finklestein, Credly; Brenda Perea, Colorado Community College System

@LearningImpact #imsglobal #LILI17

**WiFi Passcode:** ims2017
Building a Robust Learning Analytics Infrastructure

University of Michigan developers have implemented an infrastructure to support learning analytics. Caliper (from IMS Global) is used as the event representation, using caliper-php. Multiple PHP applications, written at U-M, emit events to be stored in an LRS. This session explains the decision process used to arrive at the current form of the architecture and details the components of the architecture and their relationships.

Speaker: Lance E Sloan, University of Michigan

Computational Psychometrics, Real-Time Analytics, and the Importance of Standards

ACT is evolving its systems and analytical models to enable real-time personalized insights, interventions, and predictions. In this session we'll discuss three aspects of ACT’s work towards this future state: 1) ACT’s early work in building cognitive diagnostic models for learning & assessment systems utilizing computational psychometrics 2) ACT’s Learning Analytic Platform (LEAP) which supports real-time data ingestion and analytics 3) the importance of IMS Global standards in supporting the ecosystem.

Speakers: Jason Carlson, ACT; Kurt Peterschmidt, ACT

Impact of the EPUB Standard on Accessible Course Materials

In this second of a three-part session, join us for a deeper look at how institutions, suppliers, consortiums, and publishers are working together to move forward with born accessible, advocate for buying accessible, and lowering the bar for finding accessible course materials and content. We start with an open discussion on how the newly released EPUB 3.1 specification is changing the landscape to help ensure conformance and transparency for accessible content. The session will then examine how institutions are working to change their campus adoption and procurement culture to raise awareness for accessible content, as well as identify what is needed to prepare key support services, such as DSS offices, to work with EPUB formatted course content.

Speakers: Christian Vinent-Johansen, Penn State; George Kerscher, Daisy Consortium; Benetech/Bookshare; Markus Gylling, IMS Global Learning Consortium

Beyond the Hype of Digital Courseware

The Online Learning Consortium (OLC) analysis of Digital Learning Innovation Awards (DLIAward) submissions captures the current state of digital courseware implementations across undergraduate institutions of higher education. Each submission addressed the IMS Global Consortium’s eight high impact areas. The findings indicate an array of actionable goals in trying to facilitate students’ overcoming of various financial and academic barriers. Discussion related to the nine themes that emerged as solution options to those barriers are central to understanding the current courseware landscape across higher education. Of significance, a variety of institution types submitted for the award providing a complex yet comprehensive state of the field view from over 100 institutions.

Speaker: Nori Barajas-Murphy, Online Learning Consortium

The Next Generation Digital Learning Environment

What is the Next Generation Digital Learning Environment? What does it mean for students and teachers? In this session you will participate in activities to help you identify your greatest challenges. You’ll also leave with templates and tools to build your own Next Generation Digital Learning Environment. Most importantly, you’ll hear from district leaders and teachers as they describe their journey and lessons learned.

Speakers: Betsy Masters, Six Mile Elementary School; Barbara Nesbitt, Pickens County Schools, SC

Let’s Get Personal: Implementing a Student-centric Learning Engine

Imagine a system that can match learners with the optimal lesson, explanation, or activity based on their skills, gaps, and strengths. It’s not science fiction … it is personalized learning, and it’s coming to Florida Virtual School. In this session, you will get a glimpse of the imagination, technology, and execution that will make this technology a reality.

Speakers: Jill Barnes, Florida Virtual School; Jeremy Gatzka, Florida Virtual School

How Keller ISD is Developing a Complete Digital Learning Ecosystem Using Microsoft Classroom with SAFARI Montage

At Keller ISD, TX, the district is creating a forward-thinking digital ecosystem designed to support the needs of everyone from classroom teachers and students to administrators and parents. Learn about the elements of the Keller model, designed to integrate all resources into a network-managed ecosystem, and the value of IMS interoperability standards to their design.

Speakers: Joe Griffin, Keller ISD

Using Open Badges to Implement Learning Pathways

A Learning Pathway is a personal roadmap of learning. Badgr’s Open Pathways system lets you build and publish maps of requirements, competencies, or other “real-world” experiences to track learning progress through Open Badges from multiple issuers. You can mix and match badges from formal and informal learning programs to design a comprehensive map of learning activity that can bridge multiple learning platforms.

Speakers: Nate Otto, Open Badges, Concentricsky; Van Ton-Quinlivan, California Community Colleges Chancellor’s Office; Wayne Skipper, Concentricsky
Data Access in the Cloud Based World
Venue - Vail
Two key strategic trends are in progress: pedagogical use of learning analytics and the move to cloud infrastructure. This session explores the intersection of these two trends. As we seek to bring more learning analytics to drive student success, ensuring robust access to learner data is essential. We will discuss past practices and look to current options in the context of cloud infrastructure, and invite attendees to bring their practices and questions to our session.
Speaker: Sean Yo, D2L

Leveraging Learning Platforms to Drive Student Outcomes at Scale
Venue – Windows
It is not often that we find strong evidence of low-cost, scaleable, and easy to implement methods to improve student outcomes. Partnering with Dr. Peter Bergman at Columbia University, this session will describe innovative studies using McGraw-Hill Education technology platforms and e-Assessments to uncover cheap interventions that are proven to have measurable impacts on student learning.
Speakers: Peter Bergman, Columbia University; Sam Elhag, McGraw-Hill Education; Alex Farivar, McGraw-Hill Education

Accessible Content and Publishers: I’m on the Right Track, Baby I Was Born this Way!
Venue - Savoy
The last in a series of three sessions we will look at accessible course content, which falls into one of three descriptions: born accessible, buy accessible, and finding accessible. These may seem straightforward, but they are interconnected ideas that together guide assurances that content is accessible for all. This conversation focuses on publishers coming together with suppliers and institutions for an open dialog about what born, buy and finding accessible means and to define what is needed by each member of this community to get and stay on the track towards fully inclusive publishing.
Speakers: Rachel Comerford, MacMillan; Markus Gylling, IMS Global Learning Consortium; Rick Johnson, VitalSource Technologies; George Kerscher, Chief Innovation Officer, Daisy Consortium, Benetech/Bookshare; Jonathan Thurston, Pearson; Christian Vinten-Johansen, Penn State

Content is the End Point: Managing a Complex Ecosystem & Stakeholder Needs
Venue - Columbine
Course content efficacy, new educational technology and seamless access for students: How does technology bridge the gap between stakeholder vision and achievable implementation? Topics: 1. Perspectives on a successful partnership between a forward thinking university and an educational content strategy and logistics software company; 2. Barriers of moving away from or upgrading already implemented technology; and 3. Looking forward at the mutual content and technology roadmap.
Speakers: M. Brian Dunson, Ed Map, Inc.; Ed Varevce, Capella University

Next Generation eText: Providing Greater Interaction and Individualization
Venue - Tower Court C
The eText of the future must embrace current and emerging technology in order to take full advantage of the digital medium and provide a truly interactive and individualized learning experience. This session will use Purdue’s eText pilot as a case study for supporting affordability and innovation and provide suggestions for “next generation digital learning” by incorporating emerging and developing technologies such as motion tracking, augmented reality, virtual reality, dynamic questions, and adaptive learning.
Speakers: Sheree Buikema, Purdue University; Wanju Huang, Purdue University

A Glimpse at IMS through the Lens of the K-12 Experience
Venue - Silver
Join us for an interactive session focused on how IMS standards are transforming learning opportunities through technology for K-12 students. Explore “A Day in the Life” of a student to see digital resources working in conjunction with LTI to enable personalized learning. This session will provide a snapshot of resource deployment and ideas for replication in other districts.
Speakers: Michael Cicchetti, Volusia County Schools; Caitlyn Distler, Volusia County Schools; Mike Evans, Forsyth County Schools; Melanie Kestory, Volusia County Schools; Noel Nehrig, Volusia County Schools

Making the Move OneRoster 1.1: What All Districts Need To Know
Venue - Tower Court D
Gain an understanding of the newest features of OneRoster 1.1 and learn how your school or district can benefit from implementing this new specification. OneRoster 1.1 is a major upgrade and consists of three key types of services, which are results [Gradebook], allocation of resources to courses and classes [Resources], and enrollment/ membership information within courses and classes [Rostering]. Participants will leave this session with strategies and resources to immediately begin transitioning to the latest version of OneRoster.
Speakers: Jill Hobson, IMS Global; Mark Leuba, IMS Global; Colin Smythe, IMS Global

Break
Networking
Venue - South Convention Lobby
## Wednesday, May 17

### 4:20PM-5:45PM
**General Session: Creating the Future EdTech Ecosystem Together Lightning Talks**
- **Venue**: Grand Ballroom II

The plenary sessions will be presented by recognized industry leaders through a series of vibrant 15-minute lightning talks focused on this year’s theme of Creating the Future EdTech Ecosystem Together. Speakers will share their perspectives about what is needed to enable the future of education faster and how their organization is helping to accelerate progress.


### 5:45PM-6:30PM
**Reception**
- **Venue**: South Convention Lobby

### 7:00PM-9:00PM
**Dinner for HED and K-12 Institutional Leadership Boards and Diamond Sponsors**
- **Invitation Only**

## THURSDAY MAY 18

### 7:30AM-8:30AM
**Breakfast**
- **Venue**: Grand Ballroom I

### 7:30AM-5:00PM
**Registration Desk Open**
- **Venue**: South Convention Lobby

### 8:30AM-9:00AM
**Lessons, Reflections, and Next Steps for Competency Based Transcripts**
- **Venue**: Terrace

Over the past year, UMUC has collaborated with IMS Global and Learning Objects to envision and create an extended, competency based transcript. Last fall, with support from the Lumina Grant to AACRAO and NASPA, UMUC piloted a version of a competency based transcript. This session explores that pilot. We will present the steps to implementation, lessons learned, and what is next on UMUC’s roadmap for evidencing students learning using a new type of transcript.

Speakers: **Jon Mott**, Learning Objects; **Joellen Shendy**, University of Maryland University College

### 8:30AM-9:00AM
**Using Machine Learning: Lessons Learned - Predicting Student Behavior**
- **Venue**: Vail

Idaho Digital Learning’s use of Machine Learning in predicting student outcomes and recommending future courses will be reviewed and discussed. Detail will be provided on Idaho Digital Learning’s process of setting up machine learning environments, challenges in using the results, and the promise of Cloud based machine learning opportunities.

Speaker: **Ryan Gravette**, Idaho Digital Learning Academy / Idaho

### 8:30AM-9:00AM
**Practical Considerations for Integration of Authoring and Delivery Systems**
- **Venue**: Windows

This presentation focuses on how QTI and APIP standards have helped enable the effective integration between content authoring and delivery systems and the practical considerations of integration. While the standards provide a strong foundation for enabling integration and interoperability, there are practical considerations that need to be addressed. The presentation will review means for addressing these considerations and discuss implementation decisions related to them.

Speakers: **Chris Jezek**, Pacific Metrics; **Tyrone Turner**, Pacific Metrics

### 8:30AM-9:00AM
**Using a Project- and Competency-Based Model to Improve Accessibility**
- **Venue**: Savoy

College for America (CfA) increases accessibility to higher education through its online, project- and competency-based model developed for underserved working adult populations. CfA programs substantially reduce time and cost barriers by allowing students to move through programs at their own pace and receive timely and personalized feedback. Competencies are the foundation of the model, and participants in this session will practice drafting competency statements that can be used to inform curriculum and assessment.

Speakers: **Heidi Wilkes**, College for America at Southern New Hampshire University; **Alexandra Woodford**, College for America at Southern New Hampshire University

### 8:30AM-9:00AM
**Unbinding Prometheus: Easing Repetitive LTI App Vetting through Collaboration**
- **Venue**: Columbine

The need for institutions to vet digital learning tools specific to privacy and security requirements is a strenuous effort that is repeated time and again as institutions adopt an edtech tool. Like Prometheus’ ongoing struggle, universities are pressed to roll out edtech apps and are repeatedly vetting the same apps as their peers. This session unpacks the details of this challenge, shares how institutions are coming together to develop a more informative LTI app security and privacy vetting environment, and will demonstrate how this will help IT departments save time and resources on this important, but time-consuming process.

Speakers: **Tom Cavanagh**, University of Central Florida; **Michael Wood**, University of California Office of the President; **Sam Birk**, IMS Global
Two Halves Make a Whole: Instruction + IT = Better Digital Content  
Student expectations are raising the bar on how institutions are developing and delivering digital content. For faculty this means being able to leverage creative instructional design and better edtech resources. If learning design and instruction is one side of the digital content equation then information technology is the other. Join the University of Michigan to discover how their IT department is coordinating resources and building support models for faculty to create and curate digital content that engages and inspires students.  
Speakers: Sean DeMonner, University of Michigan

Developing and Refining the Roadmap for a Digital Ecosystem Using Open Standards  
Looking to develop or refine your roadmap for planning, designing and implementing an integrated digital ecosystem? This panel discussion will engage participants in exploration and discussion of tools and strategies for advancing your seamlessly integrated digital ecosystem roadmap. The panel representatives from leading school districts will share their own vision, implementation and opportunities for growth in implementing effective digital learning environments.  
Speakers: Ellen Botkin, Pittsburgh Public Schools; Jill Hobson, IMS Global; Nate Obee, Denver Public Schools; Rod Smith, Clayton County Public Schools

The Future of the Virtual Classroom  
Applications allow users to customize the personal experience on their devices. Why should the user experience with virtual classrooms be any different? Thanks to LTI integrations, custom applications for the virtual classroom are a reality. Instructors can tailor the learning experience around their subject-matter needs and build the ideal virtual classroom. This session will cover the applications that are available today.  
Speaker: Jeff Dicker, eSyncTraining

Caliper Bootcamp  
Join us for a half day bootcamp where you will learn the basics of getting started with Caliper Analytics®. We will cover the Caliper Information Model, the Sensor API, JSON-LD and Conformance.  
Sponsored by: eSyncTraining

LTI Bootcamp  
This session will demonstrate the changes involved in upgrading from LTI 1.0/1.1 to LTI 1.2/2.x. This will include using the tool consumer profile to discover services and implementing the registration process. The latest proposals for LTI messages and services will also be discussed, including the Content-Item Update message and the Gradebook-related services. Feel free to contact us with specific requests for issues you would like to have covered during this session. It will include some examples using PHP which participants can either try for themselves or watch as illustrations. A basic prior knowledge of the LTI specification will be assumed.

OneRoster Plug Fest  
Join us for a series of demonstrations of the use of the recently published (April 2017) OneRoster 1.1 specification. A number of IMS Members have already achieved One Roster 1.1 Certification for their products. Hear how they have taken advantage of the new features. Demonstrations will also be made from IMS Members who are currently implementing the OneRoster 1.1 specification and who plan to release their products shortly.

The Texas OnCourse Initiative: A Standards-Aligned Credentialing Framework  
The State of Texas has launched OnCourse, a CBE, microcredential training and certification environment for middle school counselors and advisors. UT Austin, Learning Objects, and Extension Engine partnered to configure and deploy a CBE program for education professionals in the state. This project leveraged multiple IMS standards to drive rapid, low-cost implementation, and to connect key activities and data elements to power the system.  
Speakers: Jon Mott, Learning Objects; Phil Long, University of Texas

Guerrilla Analytics: Agile Analytics Methods Under Fiscal Restraints  
Enable your business intelligence group to apply inventive methods to free or readily available resources to achieve big data results with a small pocket-book.  
Speaker: Stephen Mehlo, Houghton Mifflin Harcourt

Facet - A National Testing System - Next Steps  
The Dutch Ministry of Education has developed the testing system Facet. With Facet, we did 1.2 million deliveries in 2017, both summative high stake exams and diagnostic tests. We now focus on the next steps. Can we use the core of Facet as a National Open Source testing infrastructure? Can we use Facet effectively and also comply to the latest privacy regulations? Can we use Facet to enhance the use of open standards in education?  
Speaker: Nynke De Boer, College voor Toetsen en Examen
ADA Compliance in Course Design Today and Tomorrow  
Venue - Savoy

In 2015, ADA compliance came to the forefront when the National Association for the Deaf sued Harvard and MIT for noncompliance. Section 508 standards are currently under revision. These two facts combined mean that providers of online education should be cognizant of the law and its requirements and develop a proactive plan to address them. This presentation reviews the history and examines the future of ADA compliance and what it means for online education.
Speaker: Martin LaGrow, Ellucian

Taming Frankenstein: Folding Non-Credit Education Into Your Ecosystem through Standards

Institutions are grappling with the challenges around consolidating outlying IT usages into their central IT systems. This transition requires careful change management with a watchful eye on the importance of interoperability standards as programs such as CBE, Open Badges, and the need for a robust integration learner record, eTranscript. Is proliferating in these outlying areas, this session looks at how institutions are successfully transitioning external systems into central IT and how IMS standards are essential to taming the monster.
Speaker: Linda Jorn, University of Wisconsin-Madison

Leveraging Digital Content to Maximize Student-Centered Learning  
Venue - Columbine

Houston ISD has created an online ecosystem (“The HUB”) that seamlessly leverages ingested digital learning content through interoperability. Attend this session and discover how this digital content is now being used to support differentiated learning through prescribed parameters and a recommendation engine.
Speakers: Letonya Brown, Houston ISD; Brenda Quintanilla, Houston ISD

Competency Framework Registry

While Curriculum resources are going digital, state standards and competencies are mostly locked in PDFs and are not easily usable by teaching and learning systems. Because of this, educators everywhere are struggling to implement digital materials and transition to more personalized, competency-based learning. A solution is now in sight. Learn how a new specification from IMS is being piloted in several states to create and exchange digital representations of state learning standard documents and their relationships to national and local competency frameworks.
Speakers: Diana Bidulescu, Houston Independent School District; Greg Nadeau, Public Consulting Group

Improving Privacy for Humans and Robots

Venue - Tower Court C

Privacy policies (what data is being collected and how it's being used) need to be easy for constituents to understand and more elegant for machines to consume. This session will cover an update from the IMS Privacy Task Force, walking attendees through the experience of installing an LTI learning tool with an IMS defined Privacy Label.
Speakers: Linda Feng, Unicon; Melissa Loble, Instructure; John Whitmer, Blackboard

A Lifelong Record of Learning and the Blockchain

Venue - Terrace

Issuing credentials in a way that helps students build a lifelong record of learning is a common goal for many of us. However, the full realization of this goal has been blocked by the inability of students to demonstrate ownership of these records and conveniently use them in the world. Chris Jagers will explain how the blockchain provides a technical missing piece that allows students to securely receive and share their official records in a digital format that is tamper-proof and immediately verifiable by others.
Speaker: Chris Jagers, Learning Machine

Harnessing Caliper Data to Build Persuasive Technology for Student Success

Venue - Vail

Over the past several years, the University of Kentucky has built a robust analytics infrastructure to support the use of real-time learning data to improve student academic success. In spring 2017, we piloted a personalized direct messaging program built on a Caliper-formatted Canvas data stream in several large STEM courses with traditionally high failure rates. This presentation will include an overview of UK’s technical architecture, a description of the pilot program, and a discussion of our first semester results and planned next steps.
Speakers: Virginia Lacefield, University of Kentucky

Leveraging Open Standards to Expand Access and Increase Flexibility for PARCC

Venue – Windows

The PARCC consortium has required QTI/APIP compliance since its inception. As PARCC program goals have evolved, adherence to and implementation of QTI and APIP specifications has become even more important. This session will focus on how PARCC’s open-standards adoption and implementation strategy has prepared the consortium to expand access to PARCC content and increase flexibility of vendor choice for PARCC states.
Speaker: Chloe Torres, PARCC

Accessibility & e-Assessment: A Holistic Approach  
Venue - Savoy

During the rapid adoption of e-Assessment platforms across the education landscape, many students are left behind by non-accessible offerings. McGraw-Hill Education’s next generation assessment platform is building accessibility into the platform from the ground up.
Not All Digital Curriculum is Created Equal: Can You Tell the Difference?

Courseware exists in a maze of digital tools, each promising to improve learning outcomes, save time, reduce cost and more. The Courseware in Context (CWIC) Framework helps educators navigate the courseware market and make better-informed adoption and implementation decisions. This session demonstrates the interactive framework and highlights two different cases where it can be applied — selecting a new courseware product and evaluating courseware products already in use. You’ll also hear how institutional leaders are using the CWIC Framework on their campuses.

Speakers: Sam Elhag, McGraw-Hill Education; Alex Farivar, McGraw-Hill Education; Ben Harounian, McGraw-Hill Education

Changing User Experience (UX) and Product Strategy in the Connected World

We’re in a world of innovation where radical new technologies are changing how customers access content. We see the emergence of a more customer-centric, mobile friendly, personalized, team-based & collaborative world and the digital interactions expand beyond the screen as it is changing both product and practice. Customers want a micro experience which could be small, subtle, affordable and memorable touchpoints that can resonate for years. Does this change the UI / UX approach into a “customized UX” model? How should we handle metadata, taxonomy to enable the content to be more accessible and discoverable? How does this impact the overall product strategy and experience?

Speakers: Ken Brooks, Macmillan Learning; John Prabhu, SPiGlobal

The Consumerization of Learning

Learn about the disruption at hand for the way leaders lead education digitally, and solutions based on interviews and discussions with hundreds of education leaders across the U.S. Leilani will share how schools are finding a new relevancy at the natural end-point of digital transition: maximized live experience and quality digital learning, also known as “expo” education. Gain leadership advice combined with valuable education market insights from the dynamic founder of the Learning Counsel and author of the book, The Consumerization of Learning.

Speaker: Leilani Cauthen, The Learning Counsel

Making “Plug & Play” a Reality

We’ve fantasized about the magic of integrations where everything Just Works™. New standards and growing adoption are bringing us closer to that reality. However, even if this is technically accomplished, we’re a ways from a truly “Plug & Play” experience. To reach this goal, the complete learning experience needs to be considered. This session will consider the holistic learning environment, and see how the LTI toolbox with Content-messaging items and Common Cartridge gets us closer to realizing this vision.

Speaker: Bracken Mosbacker, Lumen Learning
### Thursday, May 18

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<th>Time</th>
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<td>2:00PM-5:00PM</td>
<td>IMS Annual Meeting and Technical Congress</td>
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<td>General Session</td>
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<td>Venue - Grand Ballroom II</td>
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<td>The IMS Technical Congress will kick off the IMS Quarterly Member Meeting. Join fellow IMS members to learn the latest progress of technical activity aligned with each of the IMS key initiatives, including an overview of what lies ahead for the IMS roadmap. Come share your feedback and ideas to advance the work of the IMS community.</td>
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### FRIDAY MAY. 19

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<td>Breakfast</td>
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<td>Venue - South Convention Lobby</td>
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<td>9:00AM-12:00PM</td>
<td>Caliper Workgroup</td>
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<td>Competencies and Academic Standards Exchange Taskforce</td>
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Bill & Melinda Gates Foundation

Foundation works to help all people lead healthy, productive lives. In developing countries, it focuses on improving people’s health and giving them the chance to lift themselves out of hunger and extreme poverty. In the US, it seeks to ensure that all people—especially those with the fewest resources—have access to the opportunities they need to succeed in school and life. Based in Seattle, Washington, the foundation is led by CEO Sue Desmond-Hellmann and Co-chair William H. Gates Sr., under the direction of Bill and Melinda Gates and Warren Buffett.

Microsoft

As the most usable, customizable, adaptable, and reliable learning platform (think 99.9% uptime), Canvas is adopted faster and deeper (or, is used in more ways by more users) than any other LMS. See how Canvas makes teaching and learning easier for everyone at www.CanvasLMS.com.

Pearson

Our mission is to transform and improve student outcomes. Data and tool interoperability standards are essential enabling capabilities for the institutions we serve. As early implementers of LTI (consumer & provider) we continue to innovate, and collaborate on new data standards and credentials.

SAFARI Montage

SAFARI Montage provides K–12 school districts with the most refined integrated Learning Object Repository, Video Streaming Library, and IPTV & Live Media Streaming solutions, designed to handle video efficiently. The platform is interoperable with virtually all classroom technology, mobile devices and district enterprise systems, including Google Classroom.

VitalSource

VitalSource® is a global leader in building, enhancing and delivering digital content. VitalSource offers best-in-breed technology, enterprise-level scalability, industry leading analytics, and the broadest catalog in higher education. The Bookshelf® platform is the most used e-textbook delivery platform in higher education with over 1000 top publishers available to Bookshelf users.

ACT

ACT is a mission-driven, nonprofit dedicated to helping people achieve education and workplace success. A trusted leader in college and career readiness, we provide high-quality assessments grounded in nearly 60 years of research and uniquely integrated solutions enabling personalized insights that help individuals succeed from elementary school through career.

Blackboard

Blackboard is the world’s leading education technology company. We challenge conventional thinking and advance new models of learning in order to reimagine education and make it more accessible, engaging and relevant to the modern-day learner and the institutions that serve them. For more information about Blackboard, please visit www.blackboard.com.

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