THANK YOU SPONSORS!
Creating the FUTURE EdTech Ecosystem TOGETHER
IMS Global is a Unique Collaboration

- Non-profit membership consortium \textit{run} by leading districts, states, universities, suppliers as \textit{equal partners}
- 20-year history as a market change agent: learning platforms, e-assessment, digital curriculum, learning analytics, microcredentials
- 200 end-user organization members (states, districts, universities) representing 17+ million students in USA
- World class \textit{product ecosystem} based on open standards that are adopted organically and broadly, including hundreds of certified products (imscert.org)
- Larger than all other standards efforts \textit{combined} in the education/learning sectors: 525+ members, financial support approaching that of Worldwide Web Consortium, multi-sector/global span
20+ years experience as the education sector’s partner in leading the development and adoption of key innovations that have become the foundation of the interoperable edtech ecosystem.
The mission of the IMS Global Learning Consortium is to advance technology that can affordably scale and improve educational participation and attainment.
Digital Transformation: What Is It?
From: Ed Clark, EDUCAUSE Review, May 21, 2018

As in other industries, four elements are driving digital transformation in education: customer experience, competitiveness, profitability, and agility.

- Customer experience: Student journey touchpoints, learning outcomes, retention and graduation rates, employment rates, and initial salaries
- Competitiveness: Growing options and scrutiny
- Profitability: Cost pressures
- Agility: Ability to adapt and work across silos
Digital Transformation: What Is It?

From: Ed Clark, EDUCAUSE Review, May 21, 2018
Digital Transformation: How Much Pertains to Academics?

- Institutional Digital Strategy
- Academic Digital Strategy?
## IMS View of Digital Transformation?
### An Academic Technology Perspective

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer experience:</td>
<td>Best-in-class experiences with technology-enhanced teaching and learning for both students and faculty</td>
</tr>
<tr>
<td>Competitiveness:</td>
<td>Easier adoption of instructional and learning innovations supported by technology; better data leads to continuous improvement</td>
</tr>
<tr>
<td>Profitability:</td>
<td>Saving time and costs on application and data integrations; focusing on supporting instructional innovation</td>
</tr>
<tr>
<td>Agility:</td>
<td>Enhanced choice of tools, ease of experimentation, better processes for ensuring enterprise integration</td>
</tr>
</tbody>
</table>
Enabling the Ecosystem

IMS Members Collaborate in Three Essential Dimensions

- **Ed Tech Interoperability Standards**
- **Technical Foundation for Distributed Innovation**
- **Adoption of Innovation at Scale Toward Strategic Goals**
- **Ed Tech Adoption Projects**
- **Large-Scale Adoption Projects**
- **Recognition of Impact on Personalization, Performance & Ecosystem**
- **Annual Learning Impact Conference & LIA Awards**

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www.IMSGlobal.org @learningimpact
We Believe in the Power of Education Sector Collaboration Driving an **Ecosystem** of Interoperable Products that Support and Enable Digital Transformation and Innovation

* the software and platforms used to make digital learning possible which might include for example an SIS, an LMS, assessment platform, digital content and diverse learning tools
ADVANCING DIGITAL TRANSFORMATION in five key areas

ADAPTIVE DIGITAL CURRICULUM
Packaging learning content from different sources and streamlining the management of digital resources saves valuable instruction time and provides greater choice and flexibility that leads to better learning experiences.
- AccessForAll®
- Common Cartridge® and Thin Common Cartridge Profile
- EPUB for Education
- OpenVideo

DIGITAL CREDENTIALS
Digital credentials are reshaping the way we think about education and professional development by enabling lifelong learner-control of their evidence-based skills and achievements and supporting the transition to standards-based and competency-based learning.
- Badge Connect API
- CASE Network
- Competencies and Academic Standards Exchange® (CASE®)
- Comprehensive Learner Record
- Open Badges

INTEGRATED DIGITAL ASSESSMENT
High quality, innovative digital assessment that is accessible, adaptive, and safeguarded for integrity, complements the teaching and learning process, enabling effective interventions and continuous improvement.
- Accessible Portable Item Protocol® (APIP®)
- Computer Adaptive Testing
- Question and Test Interoperability® (QTI®)
- Proctoring Services

LEARNING DATA & ANALYTICS
Clickstream learning data from all digital resources—available in real time and viewable using any dashboard—can help inform student success strategies, institutional academic decisions, instructional design, and provides a common data format for research on student learning.
- Caliper Analytics®
- Edu-API
- Learning Information Services
- LTI Insights
- OneRoster®

LEARNING PLATFORMS, APPS & TOOLS
Scalable, seamless, and secure integration of all digital content, learning tools, and assessment products into an institution’s digital learning environment is the most effective way to support next-generation teaching and learning.
- App Vetting & Privacy
- Learning Tools Interoperability® (LTI®)
- LTI Advantage
- LTI Resource Search

COMMONCARTRIDGE®

ONEROSTER®

QUESTION & TEST INTEROPERABILITY®

CALIPERANALYTICS®

OPEN BADGES & COMPREHENSIVE LEARNER RECORD

CASE® COMPETENCIES & ACADEMIC STANDARDS EXCHANGE®

Standards As The
Shared Ecosystem Platform

LTI® LEARNING TOOLS INTEROPERABILITY®

Standards As The
Shared Ecosystem Platform
Transformation Strategy (IT and Academic)

- Achieving Educational Objectives
  - Engaging
  - Differentiated
  - Personalized

- Interoperable EdTech Ecosystem

- Academic Transformation Strategy

- Tech Integration Strategy

- Plug & Play Interoperability

- Productive Technology Experience

- Insights

- Usability

Next Generation

Current Generation
IMS Standards Enable Your Strategy

Procure EdTech Products that are IMS Certified
LTI Advantage: Innovation at the Speed of Now
LTI Advantage Toolkit

http://www.imsglobal.org/lti/toolkit
UCF Center of Excellence for LTI

**Center of Excellence Program:**
- Led by any IMS Contributing Member institution that has a strategic vision and experience enabling a digital ecosystem using at least one IMS Standard to improve teaching and learning experiences.
- Provide leadership, best practices and support to accelerate adoption of IMS standards and to help institutions of all sizes evolve their digital learning strategy to improve teaching and learning experiences.
- Contact Kelly Hoyland (khoyland@imsglobal.org) to discuss becoming a Center of Excellence.

**UCF Center of Excellence Activities:**
- Promote best practices to nurture and grow the next generation digital learning ecosystem
- Propagate the work of the community
- Propose practical guidance in creating, adapting, and adopting standards-based integrations
- Facilitate/participate in professional development opportunities to prepare faculty and staff adopt standards-based edtech tools via webinars and hackathons
- Find/contribute sample code, how tos, tips & tricks, to get started with LTI
- Learn more at https://cdl.ucf.edu/lticenter/
Product Directory
imscert.org

Developers community of over 2800 interoperable products with current certifications
# Student Privacy Interop

Institutional/supplier collaboration for scalable and effective student data privacy across the edtech sector

- Data Collected
- Security
- 3rd Party Data Sharing
- Advertising

### IMS Global Lite App Vetting Rubric (Draft)

The following rubric may be used as a guide while vetting applications.

The rubric is still in draft format and only available to IMS members. Feedback on the rubric may be sent to appvetting@imsglobal.org

### Data Collected

- Policies do not list data collected
- Policies state specific 3rd party data sharing
- Policies state specific advertising

### Security

- Policy states all information is encrypted
- Policy states 3rd party data sharing
- Policy states data is encrypted

### 3rd Party Data Sharing

- Policies do not list 3rd party data sharing
- Policies state all information is encrypted
- Policies state that 3rd parties are not used for ads or tracking

### Advertising

- Policies state that no third parties track or collect information for advertising
- Policies state that no third parties track or collect information for advertising
- Policies state that no third parties track or collect information for advertising

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[Link](https://www.imsglobal.org/activity/app-vetting-and-privacy)
Institutional Leadership

HED and K12 IMS members collaborate within IMS on key topics that set priorities for the IMS standards work and inform each other.
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Creating the FUTURE EdTech Ecosystem TOGETHER

2018 ANNUAL REPORT
Fiscal Results and Progress

IMS Conformance Certification: The Best Way to Implement IMS Standards

The IMS Global community established the certification program to deliver on the value proposition of a trusted, plug-and-play edtech ecosystem. IMS provides code libraries, real-life tests, staff support, and other resources to ensure reliable and consistent product integrations—at the lowest possible cost. Visit the IMS Certified Product Directory—the official catalog of products with active IMS certifications guaranteed to meet the IMS standards for which they have passed testing—at imscert.org.

In 2019, 210 different learning platforms, apps, and tools achieved IMS certification for a total of 523 active certifications across all IMS standards.

1691 total individual certifications since the program began
38% increase in total number of certifications from 2017-2018
MEMBERSHIP HAS INCREASED **19.23%** CAGR OVER THE LAST 13 YEARS
REVENUES HAVE GROWN **13.24%** OVER THE LAST 13 YEARS
COLLABORATION

7,738 registered users of imsglobal.org

Members in 26 different countries

166 HED & K-12 institutions

21 government/state education agencies

305 edtech suppliers

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Save the Date

LEARNING IMPACT LEADERSHIP INSTITUTE
18-21 MAY 2020 | DENVER, COLORADO

• Join over 600 decision-makers and innovators across higher education, K-12, government, and ed-tech supplier organizations from around the globe to collaborate and play a significant role in sustainable digital transformation of education
• Twelve program tracks, over 120 breakouts, bootcamps, hackathons and much more to help organizations adopt and leverage IMS edtech innovation ecosystem
• Call for presentations to open in early October
• Details will be available at www.imsglobal.org/lili2020
2020 Learning Impact Awards Competition

- Global competition to recognize technology projects that demonstrate great potential to improve learning impact
- Call for nominations will open early January 2020
- Finalists selected in February will advance to the final round of competition
- Recognition and presentation of a platinum, gold, bronze or silver medal winners will take place during the 2020 Learning Impact Leadership Institute in Denver
- Winners will be recognized in a press release and in the 2020 Learning Impact Report
- Additional details at [https://www.imsglobal.org/lili/awards.html](https://www.imsglobal.org/lili/awards.html)
IMS Europe Success Factors

☑ What are the key focus areas for IMS Europe work?
☑ What are the compelling technical areas for IMS Europe to provide leadership?
☑ What are the key markets for IMS Europe to enable (regions, sectors, product categories)?
☑ Can IMS Europe enable one or more Ecosystems in those markets?
☑ How does IMS enable European organizations in IMS Global and vice versa (enabling global organizations in Europe)?
Thanks!

Rob Abel Ed.D.
Chief Executive Officer
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imsglobal.org
rabel@imsglobal.org