

# PROGRAM

## SPRING 2018 DATA SUMMIT

*Best Practices in  
Education Data Systems*



MULTIPLE STAKEHOLDERS. ONE VISION.

i ♥ data

## **BECOME A DATA ADVOCATE**

**Message brought to you by**

Postsecondary Electronic Standards Council, maker of standards.



**#CollegeandCareer**

**[www.PESCC.org](http://www.PESCC.org)**





## CONNECTING COLLEGE & CAREER

PESC is the voice for the trusted, efficient and secure real-time exchange of education data from initial access of the student from high school into the college environment, through successful completion of the education experience and into the workforce; and for all learners accessing an education environment.

Transparent, open collaboration is our cornerstone principle. The sharing of ideas and best practices reminds us that while we work in a competitive environment, as stakeholders we must also cooperate and work together for a greater common good. That greater common good is ensuring student and learner achievement and progression along the entire cycle of lifelong learning and fostering a successful learning experience.

PESC is driving the collaborative development and alignment of data across disparate systems, across sectors and is eliminating barriers that inflate costs for institutions, students, states, provinces and taxpayers.

PESC envisions a seamless, interoperable environment that enables students and learners to successfully progress and smoothly transition throughout the entire education and learning ecosystem. The goal of efficient, automated interoperability is achievable. We have the ability, we've identified what needs to be done, and we know how to do it.

**JOIN THE COMMUNITY.**

**JOIN THE EFFORT.**

**JOIN PESC.**



**UNLOCK THE MOBILITY OF EDUCATION DATA WITH PESC APPROVED STANDARDS**

[WWW.PESC.ORG](http://WWW.PESC.ORG)





***A voluntary, consensus-based standards platform is the foundation on which PESC operates.***

Through PESC every stakeholder along the education lifecycle is empowered. Combined with an agreement of ‘co-competition’ – that is *cooperation among competitors* – PESC Members identify, develop, openly share and promote collaborative data solutions that employ automated, reusable and sustainable technologies in order to improve institutional performance, to improve student service delivery, and improve overall digital and electronic connectivity between stakeholders.

The Spring 2018 Data Summit focuses on **Best Practices**, providing encouragement and a neutral, trusted environment in which knowledge, wisdom and experience can be shared and communicated.

***Data standards are the tools PESC produces to enable interoperability in education.***

Standards make the world go ‘round. PESC Members make standards free and open. Together, with this unique, trusted community perspective, PESC has mapped out a common, strategic path for the future. This path includes continued development of common data standards, establishment and support of data networks and infrastructure, common authentication and web services protocols enterprise-wide, seamless connections bridging postsecondary education systems to secondary and labor and workforce systems.

**The political will and demand for improvement have never been greater and will continue to increase with time as budgets tighten, new technologies emerge and common trusted, and proven solutions like standardization are being viewed as wise, cost-saving investments.**

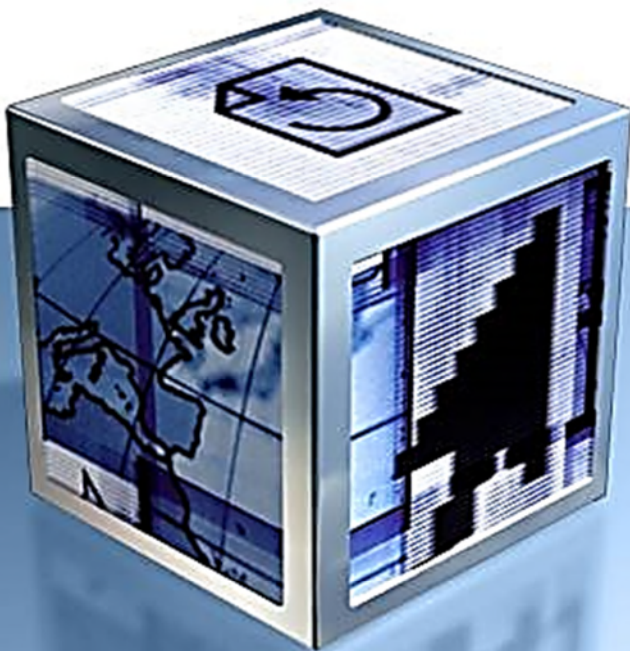
With membership and participation from all leading stakeholders in education technology, PESC serves as the umbrella organization to coordinate and advocate for learner-centric data standardization and interoperability across the education lifecycle.

**PESC Members boldly accept that mission and work diligently to continue the proven record of success and achievement. At the Spring 2018 Data Summit, we now elevate the mission to the next level.**

Thank you for your continued support of PESC!

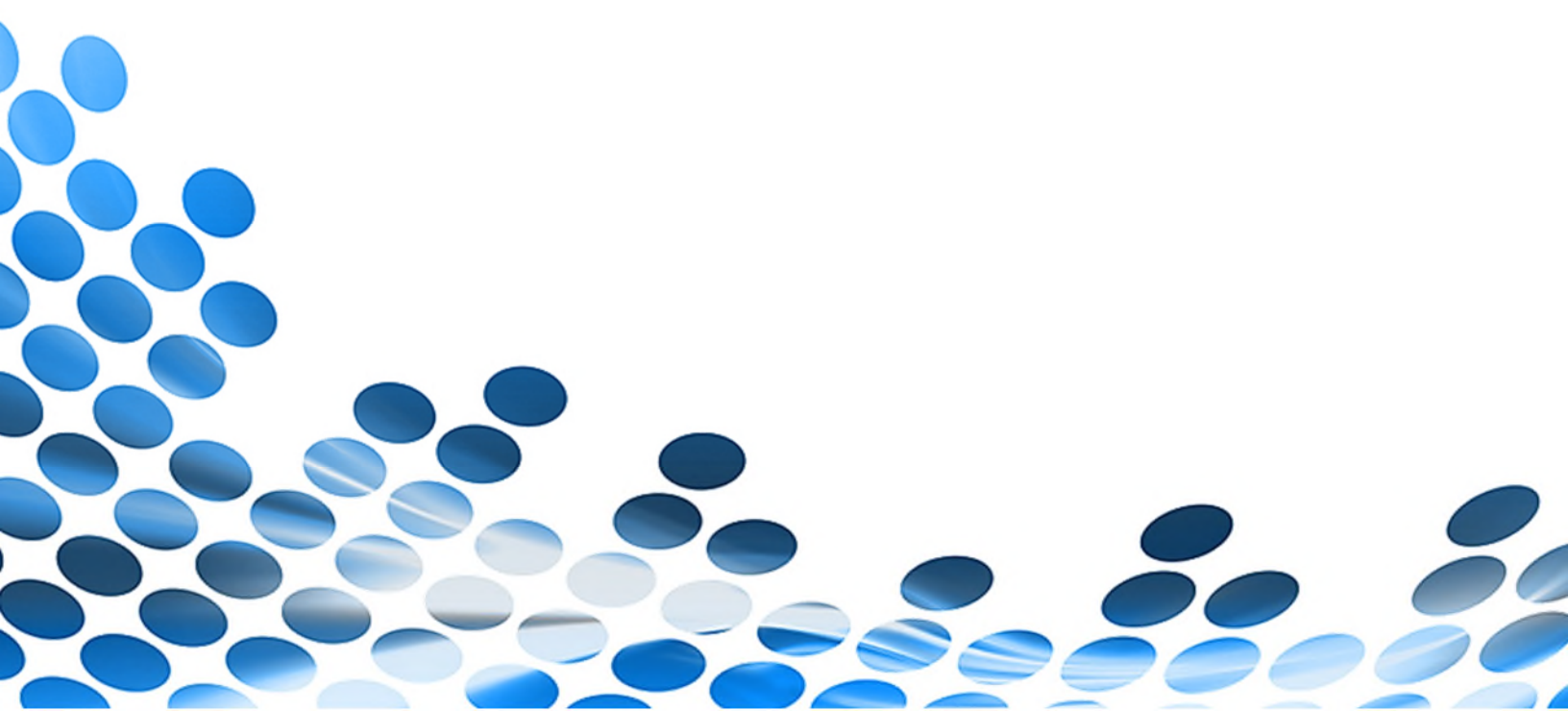
A handwritten signature in blue ink that reads "Michael D. Sessa".

Michael D. Sessa, PESC President & CEO





**BEST PRACTICES 2018 WINNER**





# WELCOME

This year PESC builds upon the knowledge and experience shared and garnered at the past several Data Summits. In the Fall of 2016 in San Diego, PESC resources combined to produce the *Common Credential for Certificates, Degrees and Diplomas* in record time.

For Spring of 2017 in DC, PESC looked externally in producing *Empowering the Mobility of Digital Academic Credentials*, showcasing external projects, resources and speakers and exemplifying the value and need for engagement of all stakeholders in the ecosystem.

Fall 2017 took PESC to Toronto for its 20<sup>th</sup> Year Anniversary to invigorate global mobility and collaboration across Canada, one of the largest users of all PESC Approved Standards.

At the Spring 2018 Data Summit, PESC prepares for the next big jump in technology. The emergence of JSON and of the employment and training sectors as users, on the demand-side of a supply-demand model, are provoking innovation and collaboration like never before.

Innovation and collaboration result in common solutions, and at the Spring 2018 PESC highlights these solutions, convenes the thought-leaders and experts and maximizes the power of convening in-person.

Thank you for attending the Spring 2018 Data Summit. We wish you an enjoyable experience, thank you for your continued support of PESC and thank our Annual Diamond Sponsors for helping make the Data Summits possible.

**Credentials Solutions**

**National Student Clearinghouse**

**Oracle**

**Parchment**



## PESC & CANADA

The Canadian presence and influence within PESC has existed since the very formation of PESC. As Canadian students cross provincial and international borders to attain their education, the need for institutions, software providers and systems vendors that support Canadian and international markets to ensure mobility and interoperability, has never been greater.

The formation of the Canadian PESC User Group (CanPESC) in 2011 solidified the importance of Canada's role within PESC and drew together many Canadians from across the country to work towards a common goal. Its main mission is twofold:

- To encourage participation in PESC XML workgroups developing PESC Approved Standards
- To promote and educate Canadian stakeholders on the importance of data standards and interoperability, thereby avoiding duplication of efforts, costs and of data standards.

As the voice and official committee representing Canadian interests, CanPESC also serves in a liaison role. It coordinates and communicates its efforts across all provinces and territories, and works closely with Canadian organizations such as the Association of Registrars of Universities and Colleges of Canada (ARUCC).

- In PESC's 1st Annual Best Practices Competition in 1999, the Ontario Universities' Application Centre (OUAC) won 1st PLACE for its submission, "Ontario Universities' Electronic Transcript System (OUETS): A Model of an Electronic Standardization Initiative."
- In PESC's 14th Annual Best Practices Competition in 2012, the Ontario College Application Service (OCAS) won 1st PLACE for its submission, "OCAS XML Transcript Initiative."
- For PESC's 10th Year Anniversary, the PESC Fall 2007 Data Summit was held at the Ritz-Carlton Hotel in Montreal.
- At the PESC Fall 2011 Data Summit held October 26, 2011 in San Francisco, PESC launched the Canadian PESC User Group.
- For PESC's 15th Anniversary Year, the PESC Fall 2012 Data Summit was held at the Four Seasons Hotel in Vancouver.
- Through establishment of CanPESC, PESC entered into a formal MOU with ARUCC in 2013, allowing ARUCC and PESC to attend each other's events without charge, thereby fostering a closer working relationship.
- OUAC staff have been recognized with PESC's Distinguished Service Award: Doug Holmes in 2013 and Leisa Wellsman in 2016.

## PESC & ACADEMIC CREDENTIALING

In June 2015 at its Annual Retreat, the PESC Board of Directors, due to the impact of student mobility on the international credentialing landscape, authorized the formation of the *Academic Credentialing and Experiential Learning Task Force*.

This Task Force formed and convened for its inaugural meeting at PESC's Fall 2015 Data Summit in Washington, D.C. With Tom Black, Associate Vice Provost for Student Affairs & University Registrar at Stanford University, as Task Force Chair, and Co-Chairs Joellen Shendy, Associate Vice Provost and Registrar at the University of Maryland University College and Alex Jackl, CEO and Founder of Bardic Systems, the Task Force committed to monitoring and tracking current initiatives, providing speakers and presenters at several industry-leading conferences and events, serving as a clearinghouse for information, and ensuring PESC is prepared for standards development work as the community is reaching the point in which standards are needed.

Through analysis and discussion, Tom Black identified an associated gap in the North American market whereby no standards existed for the exchange of certificates, degrees and diplomas. Work began immediately to shape a standard and evolved into the PESC Approved *XML Common Credential for Certificates, Degrees and Diplomas*. The Task Force continues to convene and focus on new and specific use cases (business or process cases) to determine their value and need in the community while leveraging technology and standards to meet the needs of emerging mobile academic credentials.

In June 2016 at its next Annual Retreat, the PESC Board of Directors discussed the numerous industry groups and initiatives focusing on credentials. In-depth discussions lead to the realization that a significant part of community needs are not be addressed in that no organization is showcasing how to work with all the different groups and initiatives, and more importantly how the different groups and initiatives all relate to one another. With that in mind, the PESC Board of Directors subsequently authorized the dedication of PESC's Spring 2017 Data Summit to this one theme and purpose – *Empowering the Mobility of Digital Academic Credentials*. With a partnership with PESC, Connecting Credentials correspondingly joined the Spring 2017 Data Summit as Co-Sponsor.

In the spirit of interoperability, leaders of Credential Engine proposed a comprehensive data mapping initiative across Credential Engine, PESC, HR-Open Standards, and IMS in order to advance interoperability; and with immediate agreement by all, organizational meetings began in April 2017. As part of this initiative, PESC and HR-Open Standards signed a joint MOU in August 2017. PESC is corresponding partners with EWP and EMREX, and is undertaking additional data mapping exercises including data transmission and exchange.





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JOIN THE COMMUNITY.**

**JOIN PESC.**

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	WEDNESDAY MAY 2, 2018	THURSDAY MAY 3, 2018	FRIDAY MAY 4, 2018
7.30am–5.00pm	REGISTRATION		
7.30am–9.00am	CONTINENTAL BREAKFAST		
7.30am–8.15am	FIRST TIME ATTENDEES MEET & GREET		
8.30am–10.15am	<b>DUPONT BALLROOM</b> <b>Welcome &amp; Introductions</b> Michael Sessa <i>President &amp; CEO, PESC</i>  <b>GDN Executive Recap</b> Christopher Jackson <i>CEO, Paradigm Corp.</i> Melanie Gottlieb <i>Deputy Director AACRAO</i> Geir Magne Vangen <i>Head of Systems Dev. University of Oslo</i>  <b>Introducing EMREX</b> Geir Magne Vangen <i>Head of Systems Dev. University of Oslo</i>	<b>FOXHALL BALLROOM</b> <b>Vision of a Working Nation</b> Jane Oates <i>President Working Nation</i>  <b>Lumina Foundation: Making Opportunities</b> Amber Garrison Duncan, Ph.D. <i>Strategy Director Lumina Foundation</i>	<b>FOXHALL AACRAO SPEEDE</b> <b>FOXHALL FORUM &amp; SC</b>  <b>DUPONT BALLROOM T3 INNOVATION NETWORK</b> Workgroup #3 Developing & Analyzing Competencies <i>Invitation Only</i>
10.15am–10.45am	BREAK		
10.45am–Noon	<b>General Data Protection Regulation GDPR</b> Mary Chapin <i>Chief Legal Officer National Student Clearinghouse</i> Melanie Gottlieb <i>Deputy Director AACRAO</i> Julia Funaki <i>Associate Director AACRAO</i>  <b>Model of a Digital State: Indiana &amp; eTranscript</b> Ken Sauer, Ph.D. <i>Senior Associate Commissioner &amp; Chief Academic Officer ICHE</i>	<b>Credential Engine</b> Scott Cheney <i>Executive Director Credential Engine</i> Jeanne Kitchens <i>Associate Director, Center for Workforce Development, SIU</i>  <b>Credential Ecosystem Data Mapping</b> Jeanne Kitchens <i>Credential Engine</i> Alex Jackl <i>PESC</i>	<b>FOXHALL GEO CODE USER GROUP</b>  <b>DUPONT BALLROOM T3 INNOVATION NETWORK</b> Workgroup #3 Developing & Analyzing Competencies <i>Invitation Only</i>
Noon–1.30pm	LUNCH		
1.30pm–3.00pm	<b>Integrating Comprehensive Learner Records</b> Mike Reilly <i>Executive Director AACRAO</i>  <b>US National Forum on Education Statistics</b> Levette Williams <i>Past Chair &amp; Member, National Forum on Education Statistics</i>	<b>LEVEL 9 NETWORKING</b> <b>FOXHALL AcademyOne and Credential Engine</b> <b>FOXHALL Parchment and Credential Engine</b> <b>LEVEL 9 DegreeData and Credential Engine</b>	
3.00pm–3.30pm	BREAK		
3.30pm–5.00pm	<b>T3 Innovation Network: Exploring Web 3.0 Technology Applications in Talent Marketplace</b> Matt Gee <i>CEO &amp; Co-Founder, BrightHive</i> Jeanne Kitchens <i>Associate Director, Center for Workforce Development, SIU</i> Robert Sheets, Ph.D. <i>Research Professor, GWIPP</i> Stuart Sutton <i>Associate Professor Emeritus, University of Washington</i> Jason Tyszko, VP <i>Center for Education &amp; Workforce US Chamber of Commerce Foundation</i>	<b>FOXHALL JSON TASK FORCE</b>  <b>FOXHALL ED EXCHANGE USER GROUP</b>	<b>LEVEL 9 CANADIAN PESC USER GROUP</b>
5.30pm–6.00pm	LEVEL 9 PESC MEMBER MEETING		
6.00pm–7.00pm	LEVEL 9 ANNUAL SPRING RECEPTION		

# PROGRAM

WEDNESDAY MAY 2, 2018

- 7.30am – 5.00pm      REGISTRATION  
DUPONT BALLROOM
- 7.30am – 9.00am      CONTINENTAL BREAKFAST  
DUPONT BALLROOM
- 7.30am – 8.15am      FIRST TIME ATTENDEE MEET & GREET AND INTRODUCTION TO PESC  
DUPONT BALLROOM
- 8.30am – 8.45am      **WELCOME & INTRODUCTIONS**  
DUPONT BALLROOM  
  
Michael Sessa  
PESC President & CEO
- 8.45am – 9.30am      **EXECUTIVE RECAP & OPEN DISCUSSION: GDN 7TH ANNUAL MEETING | PARIS**  
  
Melanie Gottlieb  
Deputy Director  
AACRAO – American Association of Collegiate Registrars & Admissions Officers  
  
Christopher Jackson  
CEO  
Paradigm, Corp.  
  
Geir Vangen  
Head of Systems  
CERES, University of Oslo  
  
*Moderator*  
Doug Falk  
Vice President & CIO  
National Student Clearinghouse  
  
Having just attended the 7th Annual Meeting of the Groningen Declaration Network (GDN) in Paris, this Featured Panel of Speakers will discuss the value of GDN and how AACRAO, National Student Clearinghouse, Paradigm and PESC collaborate through GDN. Discussion will also include current thoughts on trust, the European Union’s General Data Protection Regulation (GDPR), blockchain and other emerging topics.  
  
*Moderator*  
Doug Falk  
CIO & VP  
National Student Clearinghouse



9.30am – 10.15am

### **INTRODUCING EMREX**

Geir Magne Vangen  
Head of Systems Development  
CERES, University of Oslo

*Moderator*

James Kelly  
Senior Director of Technology  
Educational Credential Evaluators

EMREX, a reciprocal partner with PESC, is the solution for electronic transfer of student records between higher education institutions in Europe. The biggest benefit of EMREX is the increased availability, quality and reliability of information about student records of achievement information. Students initiate the process and can use it in several ways: by mobile students who wants a fast, secure and digital transfer of their achievement records from abroad; by students applying for education in other countries; by students who wants to share their achievement records with others – future potential employers etc.. With participating partner countries Denmark, Finland, Italy, Norway, Poland and Sweden and a newly formed User Group to govern EMREX, plans are well underway to roll out EMREX across the continent.

10.15am – 10.45am

BREAK

10.45am – 11.30am

### **GENERAL DATA PROTECTION REGULATION – GDPR PANEL**

Mary Chapin  
Chief Legal Officer  
National Student Clearinghouse

Melanie Gottlieb  
Deputy Director  
AACRAO – American Association of Collegiate Registrars & Admissions Officers

Julia Funaki  
Associate Director  
AACRAO – American Association of Collegiate Registrars & Admissions Officers

*Moderator*

Rick Skeel  
Director of Product Management  
Ellucian

The European Union (EU) General Data Protection Regulation (GDPR) replaces the Data Protection Directive 95/46/EC and was designed to harmonize data privacy laws across Europe, to protect and empower all EU citizens' data privacy and to reshape the way organizations across the region approach data privacy. The GDPR not only applies to organizations located within the EU but it also applies to organizations located outside of the EU if they offer goods or services to, or monitor the behavior of, EU data subjects. It applies to all companies processing and holding the personal data of data subjects residing in the European Union, regardless of the company's location.

11.30am – Noon

**MODEL OF A DIGITAL STATE: INDIANA eTRANSCRIPT THE COMMISSION FOR HIGHER EDUCATION**

Ken Sauer, Ph.D.

Senior Associate Commissioner & Chief Academic Officer  
Indiana Commission for Higher Education

*Moderator*

Rajeev Arora  
SVP Products  
Parchment

The Indiana e-Transcript Initiative was developed in 2005 as a partnership between the Indiana Commission for Higher Education (ICHE) and the Indiana Department of Education (IDOE). Indiana was the first state in the Midwest to adopt e-Transcript and now at least six other states have followed their lead. HEA 1341, passed by the 2013 Indiana General Assembly, establishes the e-Transcript Initiative by statute and calls for a common high school transcript to be developed by the IDOE in collaboration with ICHE. The service is made possible by an appropriation from the General Assembly, ensuring 24/7 online service and benefits for students, colleges and universities, high schools, and the State of Indiana. Now with a state-wide collaboration, ICHE is looking to link to the benefits of Credential Engine. As one of the first states implementing a pilot, ICHE continues to lead the march toward a digital state.

Noon – 1.30pm

LUNCH

DUPONT BALLROOM

1.30pm - 2.15pm

**INNOVATING DATA INTEGRATION WITH COMPREHENSIVE LEARNER RECORDS**

Mike Reilly

Executive Director

AACRAO – American Association of Collegiate Registrars & Admissions Officers

*Moderator*

Carroll Brown

Senior Director, Campus Solutions Product Development, Higher Education  
Applications Development, Oracle

With a renewed grant from the Lumina Foundation and in partnership with NASPA, AACRAO will lead and assist the development of new comprehensive learner records in as many as 150 institutions over the next 18 months. Institutions, utilizing new technology, data standards, a readiness toolkit and supporting resources, can create digital records accessible by institutions and students beyond the traditional transcript. By capturing and documenting information on learning outcomes or competencies, the comprehensive learner record validates all learning, wherever it occurs, providing a more holistic view of learners, their achievements, what they know and how their knowledge and skills can be applied in a real-world environment.



2.15pm – 3.00pm

### **US NATIONAL FORUM ON EDUCATION STATISTICS**

Levette Williams  
Past Chair and Member  
National Forum on Education Statistics

*Moderator*

David Moldoff  
Founder & CEO  
AcademyOne

The U.S. Hawkins-Stafford Education Improvement Amendments of 1988 established the National Cooperative Education Statistics System to "produce and maintain, with the cooperation of the States, comparable and uniform education statistics." To assist in meeting this goal, the U.S. National Center for Education Statistics (NCES) of the U.S. Department of Education created the National Forum on Education Statistics (the Forum). THE FORUM strives to provide states, districts & schools with helpful advice on the collection, maintenance & use of elementary and secondary education data. To this end, Forum members—a diverse group of representatives from state and local education agencies (appointed by their state's superintendent), the federal government, and other organizations with an interest in education data—work collaboratively to address problems, develop resources, identify best practices & consider new approaches to improving data collection and utility, all while remaining sensitive to privacy concerns & administrative burden. Many of these best practice resources will be discussed and shared.

3.00pm – 3.30pm

BREAK

3.30pm – 5.00pm

### **IMPROVING THE TALENT MARKETPLACE THROUGH APPLICATION OF WEB 3.0 TECHNOLOGIES**

Matt Gee  
Co-Founder & CEO, BrightHive  
Senior Researcher, University of Chicago

Jeanne Kitchens  
Associate Director  
Center for Workforce Development  
Southern Illinois University Carbondale

Robert Sheets, Ph.D.  
Research Professor  
George Washington University, Institute for Public Policy

Stuart Sutton  
Associate Professor Emeritus  
University of Washington  
Metadata Consultant

Jason Tyszko  
Executive Director  
Center for Education and Workforce  
U.S. Chamber of Commerce Foundation

*Moderator*  
Anne Valentine  
President & CEO  
DegreeData

From artificial intelligence (AI) and distributed ledgers, to the semantic web, an unprecedented set of disruptive 'Web 3.0' technologies are simultaneously emerging as forces that could dramatically impact and reshape the talent marketplace. The U.S. Chamber of Commerce Foundation and Lumina Foundation are working with leading employers, universities and colleges, technical standards organizations, technology vendors, and other stakeholders to explore how the convergence of these Web 3.0 technologies can be used to improve and establish a more responsive, dynamic, and inclusive talent marketplace. Panelists leading the T3 Innovation Network will provide an overview of the initiative, engage discussion on the most promising use cases for exploring convergence opportunities

6.00pm – 7.00pm

**ANNUAL SPRING RECEPTION**

**LEVEL 9**



THURSDAY MAY 3, 2018

7.30am – 5.00pm

REGISTRATION  
FOXHALL BALLROOM

7.30am – 9.00am

CONTINENTAL BREAKFAST  
FOXHALL BALLROOM

8.30am – 9.30am

**VISION FOR A WORKING NATION**

Jane Oates  
President  
Working Nation

*Moderator*

W. Matthew Bemis  
Associate Registrar  
University of Southern California

A changing economy paired with increasing globalization are having a dramatic impact on America's workforce. In fact, Working Nation projects that over the next 20 years, technology will eliminate 47% of current jobs. Are we prepared for this looming shift? Working Nation looks to provide education and communication about this crisis to keep America working. Initial phases will focus on starting a national conversation through compelling programming, social media, and content, from data visualizations and animation, to TV news documentary segments and features, short films, among many more. Long term, through working with corporations, foundations, thought leaders and local governments, Working Nation looks to bring the country together, to create new jobs for our changing economy.

9.30am – 10.15am

**LUMINA FOUNDATION – MAKING OPPORTUNITIES**

Amber Garrison Duncan, Ph.D.  
Strategy Director  
Lumina Foundation

*Moderator*

Darin Hobbs  
University Registrar  
Western Governors University

Amber Garrison Duncan, Ph.D., Strategy Director of the Lumina Foundation, will remark on the 'big picture' of Lumina Foundation's commitment of making opportunities for learning and on the value of credentials.

10.15am – 10.45am

BREAK

10.45am – 11.30am

**CREDENTIAL ENGINE | MOVING CREDENTIALING FORWARD**

Scott Cheney  
Executive Director  
Credential Engine

Jeanne Kitchens  
Associate Director  
Center for Workforce Development  
Southern Illinois University

Through an increasing array of credentials – degrees, certificates, industry certifications, licenses, badges, apprenticeships, and micro-credentials – job seekers, students, and workers have more options than ever to help them get ahead. But there has been no practical way to obtain relevant and comparable information about these diverse credentials. This information is of great interest to stakeholders in the credentialing marketplace. Since its public launch in December 2017, Credential Engine has addressed these concerns and made numerous advancements on its various technologies, partnerships, and strategies.

Supported by the Lumina Foundation, JPMorgan Chase & Co., & Microsoft, numerous online tools, resources and its own Credential Transparency Descriptive Language, Credential Engine promotes collaboration and harmonization of standardization initiatives to identify, document, and openly share solutions supporting the comparability of credentials and competencies.

*Moderator*

Susan McCrackin

Senior Director Financial Aid Methodology  
College Board

11.30am – Noon

### **CREDENTIAL ECOSYSTEM DATA MAPPING**

Alex Jackl

President & CEO

Bardic Systems

Jeanne Kitchens

Associate Director

Center for Workforce Development

Southern Illinois University

*Moderator*

Doug Holmes

Programmer Analyst

OUAC – Ontario Universities' Application Centre

Following PESC's Spring 2017 Data Summit, Credential Engine and PESC coordinated with several standards-based organizations (CEDS, HR-OPEN STANDARDS, IMS, Medbiquitous, ADL), to initiate data mapping exercises across disparate data sets and data standards with a goal to collaborate in order to further interoperability. Mapping, or crosswalks, are a common method, in which data items are listed by columns for each and then compared across for analysis, to initiate efforts and determine how each aligns. Additional methods will be considered as well as part of the overall analysis. The Data Mapping Team has been at work for the past year mapping competencies and credentials. Now the group looks to further its work in coordination with the T3 Innovation Network of the US Chamber of Commerce Foundation and Lumina Foundation.

Noon – 1.30pm

LUNCH

1.30pm – 2.00pm

NETWORKING BREAK

LEVEL 9



2.30pm – 3.00pm **BREAKOUT SESSIONS: DEMOs and PILOTs**

FOXHALL  
AcademyOne and Credential Engine

FOXHALL  
Parchment and Credential Engine

LEVEL 9  
DegreeData and Credential Engine

3.00pm – 3.30pm BREAK

3.30pm – 5.00pm **BREAKOUT SESSIONS**

FOXHALL  
JSON TASK FORCE

FOXHALL  
EDEXCHANGE USER GROUP

LEVEL 9  
CANADIAN PESC USER GROUP

5.30pm – 6.00pm **ANNUAL PESC SPRING MEMBERSHIP MEETING**

LEVEL 9

## FRIDAY MAY 4, 2018

7.30am – 5.00pm REGISTRATION

FOXHALL

7.30am – 9.00am CONTINENTAL BREAKFAST

FOXHALL

8.30am – 10.15am **BREAKOUT SESSIONS**

FOXHALL  
AACRAO SPEEDE COMMITTEE

FOXHALL  
STANDARDS DEVELOPMENT FORUM FOR EDUCATION

DUPONT BALLROOM  
*WORKING GROUP #3: DEVELOPING & ANALYZING COMPETENCIES*

10.15am – 10.45am BREAK

10.45am – Noon **BREAKOUT SESSIONS**

FOXHALL  
GLOBAL EDUCATION ORGANIZATION (GEO) USER GROUP

DUPONT BALLROOM  
*WORKING GROUP #3: DEVELOPING & ANALYZING COMPETENCIES*

Noon ADJOURN

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### **JAMES KELLY**

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DegreeData



# BREAKOUTS

## AACRAO SPEEDE

The AACRAO Standardization of Postsecondary Education Electronic Data Exchange (SPEEDE) Committee coordinates and leads the development of national exchange standards by representing postsecondary education in appropriate standards setting bodies. PESC hosts SPEEDE meetings at each Spring and Fall Data Summit.

## Academic Credentialing & Experiential Learning Task Force

PESC's Academic Credentialing and Experiential Learning Task Force is hosting DEMOs and PILOTS of PESC Members and Partners active in the community, featuring Credential Engine and collaborations with AcademyOne, DegreeData and Parchment.

Task Force members also collaborate in the Credential Ecosystem Data Mapping Initiative and support governance of the PESC Approved XML *Common Credential for Certificates, Degrees & Diplomas*.

## Canadian PESC User Group

The Canadian PESC User Group (CanPESC) is an open, permanent group within PESC that serves as a clearinghouse for discussion and new ideas, a coordinator to help support electronic initiatives with several liaison roles established, and as a unifier in the mission toward digitalization. Participation in User Group meetings is encouraged and open to representatives of PESC Member organizations and representatives of stakeholders with Canadian interests.

## EdExchange User Group

EDEXCHANGE is a data exchange service offered and operated by PESC and directly managed by PESC Members. The foundation of the service is a directory 'look up' server that lists institutions, service providers and others that are able to exchange data electronically. The server itemizes the technical capacity of each, which document types are supported electronically and additional identifier data. To exchange data, users then connect directly with the respective recipient.

With several pilots successfully completed, priority for the User Group is the launch of EdExchange 1.0.

# BREAKOUTS

## GEO Code User Group

GEO CODE is a free 'look-up' service offered and operated by PESC and directly managed by PESC Members. The foundation of the service is an open, standardized directory 'look up' server that lists active and inactive institutions, including historical data plus additional demographic and identifier data.

Participation is encouraged and open to PESC Members and in collaborative partnership to AACRAO and the Groningen Declaration Network Signatories & Delegates.

As the User Group adds countries including assignment of GEO Codes, priority is now set to migrate from a database to an online directory and to support the USC/IERF pilot.

## JSON Task Force

A4L and PESC have partnered on the development of JSON to provide comprehensive guidance and tools on JSON usage in approved open standards and specifications. This collaborative effort includes education stakeholder members from both organizations and aims to identify rules for creating a programmer friendly JSON from XML defined data models by maximizing natural access to data in popular programming languages and minimizing carryover of unsupported XML concepts.

The JSON Task Force is focusing on defining the APIs for accessing, validating, and translating all standards. The exchange of information would be defined as accessing a provider's end points to retrieve the needed information. It is anticipated that these API specifications would become the standard over time.

At the last face-to-face meeting, held in January in San Francisco, the Task Force it was realized that there is enough momentum to start development with real work tools. To this end, a GitHub repository for the group and will facilitate its management on behalf of the Task Force.

## Standards Development Forum for Education

The Standards Development Forum for Education is the governing body that develops, manages and maintains all PESC APPROVED STANDARDS ensuring alignment with community initiatives and adherence to PESC's Policies & Procedures Manual for Standards Development.

The Forum is governed by a Steering Committee, Change Control Board and Technical Advisory Board and includes various development and mapping groups.

## MISSION & VISION

Established in 1997 at the National Center for Higher Education, PESC operates as an international 501(c)(3) non-profit, community-based, umbrella association and headquartered in Washington, D.C. of:

- Data, Software & Technology Service Providers
- Schools, Districts, Colleges & Universities
- College, University & State/Province Systems
- Local, State/Province & Federal Government Offices
- Professional, Commercial & Non-Profit Organizations
- Non-Profit Associations & Foundations

### >> OUR MISSION <<

Through open, transparent community participation, PESC enables cost-effective connectivity between data systems in order to accelerate performance and service, to simplify data access and research, and to improve data quality along the learner lifecycle.

### >> OUR VISION <<

PESC envisions global mobility or interoperability within the learner domain supported by a trustworthy, inter-connected network built by, for & between communities of interest in which data flows digitally and seamlessly from one community, system or network to another and throughout the entire eco-system when and where needed without compatibility barriers but in a safe, secure, reliable, legal, and efficient manner.

### >> GOALS OF THE MISSION <<

Goals of the PESC Mission Include: promoting student-and learner centric design and data modeling, hub and spoke models, federated identity, and similarly proven models of interoperability; fostering open, transparent collaboration across global education and learning sectors; improving institutional performance and data quality; simplifying access and reducing cost; and enabling sustainable best practices and innovative solutions that streamline emerging technologies and disparate information systems.

### >> PESC TECHNOLOGY <<

PESC TECHNOLOGY and PESC APPROVED STANDARDS are community-sourced and driven by PESC serving as an incubator to pilot and launch data standards using an open, transparent and collaborative process; and serving as an open data standards-development and open data standards-setting body governing resource mapping and maintenance of education eco-system taxonomies, schemas and shared code sets in various technologies (EDI, XML, PDFxml, JSON) produced as PESC APPROVED STANDARDS. PESC APPROVED STANDARDS are platform and application neutral; adopted and integrated in systems, networks, applications, products and services; support a transaction or business process, and; can be implemented or used one independently from another.

## GROUPS

**ACADEMIC CREDENTIALING  
& EXPERIENTIAL LEARNING  
TASK FORCE**

**CANADIAN PESC  
USER GROUP**

**CHANGE CONTROL  
BOARD**

**EDEXCHANGE  
USER GROUP**

**EDUCATION RECORD  
USER GROUP**

**GEO CODE  
USER GROUP**

**JSON  
TASK FORCE**

**SEAL OF APPROVAL  
BOARD**

**STANDARDS DEVELOPMENT  
FORUM**

**TECHNICAL ADVISORY  
BOARD**



# POLICIES & LOGISTICS

PESC requires that all speakers, moderators, chairs and attendees of Data Summits register and remit registration fees to attend Data Summits. PESC thanks all speakers and is grateful for their efforts in volunteering to provide updates and presentations. Only in rare instances, however (that is if a speaker is only attending a Data Summit for a specific session or presentation), can registration fees be waived and only by the PESC office.

All General (Plenary) and Breakout Summit Sessions and events are open to all registered attendees. Dress code is business casual. Transparent collaboration, engaging discussions, awareness of technical resources and best practices, identification of emerging technologies, new business contacts, and tips from experts of leading community organizations can be expected.

Note that General (Plenary) Sessions are presented in typical conference format in which featured speakers present on a certain topic followed by brief Q&A; while Breakout Sessions follow a more informal workshop format in which group members roll up their sleeves, discuss and interact in more detail in order to advance the group activities and maximize in-person convening time (crowd power).

For SPEAKERS, all hardware and software is ready and set up (laptop, projector, screen, podium, microphone, etc.). If speakers have a specific presentation, they can simply bring it with them on USB and plug it in right before the scheduled presentation. PESC can also swap in/out laptops if needed. Note that Powerpoint Presentations are NOT required.

TIPS For PRESENTATIONS: Remember to communicate the basic information and speak directly into the microphone. Fonts used in Powerpoint should be large (18+). PESC can also coordinate printing and distribution of handouts if submitted one week prior to the Summit. Lastly, please use the slide template for presentations. Please add your own logos and your creative energy to capture the attention and imagination of the PESC attendees.

For BREAKOUT SESSIONS, each room, if needed, is equipped with projector, screen and speaker phone and may be setup in U-Shape format. Group Chairs are responsible for managing and facilitating all sessions and preparing and distributing respective agendas and information.



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## GROUPS

**ACADEMIC CREDENTIALING  
& EXPERIENTIAL LEARNING  
TASK FORCE**

**ADMISSIONS RECRUITMENT &  
ENROLLMENT DATA  
WORKGROUP**

**CANADIAN PESC  
USER GROUP**

**CHANGE CONTROL  
BOARD**

**EDEXCHANGE  
USER GROUP**

**EDUCATION RECORD  
USER GROUP**

**GEO CODE  
USER GROUP**

**JSON  
TASK FORCE**

**SEAL OF APPROVAL  
BOARD**

**STANDARDS DEVELOPMENT  
FORUM**

**TECHNICAL ADVISORY  
BOARD**

## **PARTNERS & AFFILIATES**

**AACRAO**

**A4L**

**APEREO**

**ARUCC**

**CEDS**

**CONNECTING CREDENTIALS**

**EMREX**

**ERASMUS WITHOUT PAPER**

**GRONINGEN DECLARATION NETWORK**

**HR OPEN STANDARDS**

**INTERNET2**

**SHEEO**

# ABOUT OUR SPEAKERS

**Rajeev Arora** has 27 years of sales, marketing, and product development experience in the software and Internet industries. As Senior Vice President of Product & Support at Parchment, Rajeev Arora is responsible for leading global product strategy, architecture and design. Rajeev also oversees the product development, quality assurance, hosting infrastructure, SaaS operations, customer support and training teams. In August 2016, Rajeev was selected by the Department of Education to serve as a member of the national Technical Working Group charged with transforming higher education through technology through the expansion of the 2016 National Educational Technology Plan. Rajeev currently serves on the Board of Directors for PESC.

Formerly, Rajeev served as President and was part of the founding team for TiE-Arizona – the Arizona chapter of The Indus Entrepreneurs as well as the Board of Directors of The Arizona Software Association (now the Arizona Technology Council). Prior to joining Parchment, Rajeev was Vice President of Marketing and Strategy at Elluminate which was acquired by Blackboard where he continued as Vice President of Marketing and Strategy for Blackboard Collaborate. Prior to Elluminate, Rajeev served as Vice President of Product Marketing at Viasoft (now ASG Software), where he was responsible for launching the company's PC software business unit from concept to sales of over \$75M within 18 months. Rajeev holds a B.S. in Electrical Engineering from Rensselaer Polytechnic Institute and a M.S. in Engineering Management from Santa Clara University.

**Mary Chapin** is the Vice President, Chief Legal Officer and Corporate Secretary for the National Student Clearinghouse. She is responsible for the legal, regulatory and government affairs of the Clearinghouse. Mary has served as a panelist for various programs related to data privacy and security and litigation matters for the National Capital Region Chapter of the Association of Corporate Counsel. She recently served as a panelist for a GDPR program for the 2018 Groningen Declaration Network Summit in Paris.

**Scott Cheney** is Executive Director of Credential Engine. Cheney most recently served as Policy Director of Workforce, Economic Development and Pensions for Senator Patty Murray and the Senate Health, Education, Labor and Pensions Committee. Additionally, he was the staff lead on the reauthorization of the Workforce Innovation and Opportunity Act, and has been staff lead on efforts to reauthorize the Perkins Career and Technical Education Act and to pass legislation to expand registered apprenticeships in the country. Key language and elements in these laws and others were specifically designed to align with other major legislation related to the nation's postsecondary education and training system (e.g., Trade Adjustment Assistance, Temporary Assistance for Needy Families -- TANF, Supplemental Nutrition Assistance Program Employment & Training -- SNAP E&T, and Higher Education Act, Unemployment Insurance).

Prior to his work on Capitol Hill, Cheney formed his own consulting firm and worked with a number of states, companies, foundations and think tanks on a host of education, training and employment issues. This built on his prior work at the National Alliance of Business, managing international benchmarking and research programs on companies' training and development practices in the U.S. and Europe at the American Society for Training and Development; running national programs at the U.S. Chamber of Commerce; and working with foster-care, homeless youth and adult literacy programs. Cheney has a bachelor's degree in philosophy from Carleton College and a master's in public policy from Georgetown University.

**David Moldoff** As the Founder and CEO of AcademyOne, David Moldoff has made an impact on thousands of higher education institutions throughout his career. He has spent the last four decades launching and running technology companies and building his reputation as an industry expert in software architecture and systems integration, specifically across the many facets of the education sector. He is especially committed to addressing the technological and systemic issues surrounding academic credit portability, college access and degree completion strategies.

**Amber Garrison Duncan** is a strategy director at Lumina Foundation where she leads a portfolio of work that supports the creation of a system where all learning can be validated and valued regardless of where it happens, and efficiently contribute to high-quality credentials. Lumina's work in this area includes competency-based education, learning frameworks, assessment, credential recognition and learner records, as well as quality assurance.



This work allows Garrison Duncan to draw on her 15 years of experience as a campus-based professional, designing co-curricular learning experiences and leading assessment. Prior to joining Lumina Foundation in 2013, Amber served as director of student affairs assessment and research, University of Oregon; director of family programs and commencement, University of Oregon; first-year experience instructor, Florida State University; intake and investigations coordinator, University of Michigan; and assistant director of housing and Greek life, Hope College.

Garrison Duncan has researched and written on general education, assessment, innovation in student affairs, Latinas in higher education and women in leadership. She is co-editor of the book *Leading Assessment for Student Success: Ten Tenets That Change Culture and Practice in Student Affairs* (Stylus, 2015). Amber holds a bachelor's degree from Texas Woman's University, a master's degree from Texas A&M University and a Ph.D. from the University of Oregon. Leadership experiences include former board member of Alpha Gamma Delta, founding board chair of Oregon Women in Higher Education, and co-founder of Levo League Indianapolis. Dr. Garrison Duncan currently serves on the Indiana Latino Education Summit Steering Committee as well as the Board of Directors for the Texas Woman's University Foundation.

**Julia Funaki** received her Bachelor of Science from The Ohio State University and worked for the Columbus Council on World Affairs. She attended a graduate program at American University and worked in domestic and international admissions for the University. Upon completion of her Master's in International Communication she took a job in the foreign student services office at Ohio Wesleyan University. After returning to Washington and completing a Master's in International Education with an emphasis in Higher Ed Administration, Julia worked for the University of Maryland College Park in International Education Services. In 1996, Julia joined the staff at AACRAO. She has been involved with NAFSA and AACRAO as an author, presenter, and committee member and chair and serves on the faculty for the AACRAO Summer and Winter Institute.

**Matt Gee** is CEO and Co-Founder at BrightHive, a social enterprise that develops open source and open standard data integration tools powering smarter government and more effective social service delivery. He is also a Senior Research Scientist at the University of Chicago's Center for Data Science and Public Policy and a Research Fellow at the Urban Center for Computation and Data. He is the Co-Founder of the Eric and Wendy Schmidt Data Science for Social Good fellowship.

### **Melanie Gottlieb**

**Christopher Jackson** is the CEO and cofounder of Paradigm, Inc. During his 27 year tenure, Jackson and his business partner have grown the company to be one of the largest credential issuers in America servicing Higher Education and Professional Associations. As the founders and pioneers of the CeDiploma® and CeCertificate®, Jackson helped create the secure electronic diploma and certificate market that is seen today. Jackson holds a Bachelor's degree in Business and Finance from Kingston University, United Kingdom. In his spare time he enjoys cycling, traveling and gourmet cooking with his family.

**Jeanne Kitchens** is Associate Director, Southern Illinois University Carbondale, Center for Workforce Development. Over the past 20 years, she and her team have designed and implemented career and workforce development programs using technologies to improve access and engagement. Some current initiatives and programs include: Credential Transparency Description Language (CTDL) and Credential Registry services for Credential Engine; Talent Pipeline Management Web Tools for US Chamber of Commerce, Illinois workNet Web Portal System and Illinois Open Educational Resources for State of Illinois.

**Jane Oates**, newly appointed President of Working Nation, was nominated by President Barack Obama to join Secretary of Labor Hilda L. Solis' leadership team at the Department of Labor in April, 2009. Confirmed as Assistant Secretary for Employment and Training on June 19, 2009, she led the Employment and Training Administration (ETA) in its mission to design and deliver high-quality training and employment programs for our nation's workers.

Prior to her appointment, Jane served as Executive Director of the New Jersey Commission on Higher Education and Senior Advisor to Governor Jon S. Corzine. Jane served for nearly a decade as Senior Policy Advisor for Massachusetts Senator Edward M. Kennedy.

Jane began her career as a teacher in the Boston and Philadelphia public schools and later as a field researcher at Temple University's Center for Research in Human Development and Education. She received her BA in Education from Boston College, and an M.Ed in Reading from Arcadia University.

**Mike Reilly** joined the American Association of Collegiate Registrars and Admissions Officers – AACRAO as Executive Director on June 1, 2012. Prior to coming to AACRAO he served as the Executive Director for the Council of Presidents, an association of the six public baccalaureate degree granting institutions in Washington state. He has 20 years of experience in university admissions and enrollment management, including having served as the Associate Vice President for Enrollment Management at both Central Washington University and Humboldt State University; and currently serves as Vice Chair of the Groningen Declaration Network's Board of Directors.

**Dr. Ken Sauer** has been with the Indiana Commission for Higher Education since 1985 and holds the position of senior associate commissioner for research and academic affairs. His duties as chief academic officer for the commission include: -Making recommendations on proposals for new degree programs; -Reviewing existing degree programs; -Analyzing programs with few graduates or low enrollments; -Overseeing commission student data systems; -Representing the commission with various external constituencies, such as the Indiana General Assembly Collaborating with other units of state government on inter-agency projects; and -Undertaking applied research and policy studies

While at the commission, he has been closely associated with a number of special state-level initiatives, including: Indiana e-Transcript Initiative Formulation of dual credit policy Development and implementation of Indiana's comprehensive community college system Transfer Indiana Initiative, including working with the Statewide Transfer and Articulation Committee (STAC), and funding and implementation of a statewide transfer web site Agreement on the future directions of IU and Purdue regional campuses Indiana's strategic directions framework for policy and planning development in higher education.

Prior to joining the commission, he served with the Illinois Board of Higher Education (1980-1985) and the National Center for Higher Education Management Systems (NCHEMS) in Boulder, Colorado (1975-1980). While at NCHEMS, Dr. Sauer developed a classification system that is still used annually by all colleges and universities in the United States for reporting degree data to the federal government, Classification of Instructional Programs (CIP codes). He also developed a projection model that was used for many years by the U.S. Secretary of Health for periodically reporting data on nursing supply and demand to the President and Congress.

Dr. Sauer earned his Ph.D. in international relations/ government from the Claremont Graduate University and his Bachelor of Arts in Sociology from St. John Fisher College. Between college and graduate school, he served as a Peace Corps volunteer on the island of St. Kitts in the West Indies.

**Robert Sheets**, Ph.D. is Research Professor at George Washington Institute of Public Policy. Robert conducts research related to education, workforce development, and economic development policy as well as labor market and education and workforce data systems. He is currently conducting research on building a public-private data infrastructure for improving transparency and performance in the talent marketplace.

**Stuart Sutton** is Associate Professor Emeritus, University of Washington. Stuart's research areas include meta-data and networked information discovery and retrieval, technology-mediated teaching and learning, cognition, and the information seeking behavior of discourse communities, mental models in information system design, and the law and policy of intellectual property. He chaired MLIS degree programs at the University of Washington and Syracuse University and as Director of the School of Library and Information Science at San Jose State University in Silicon Valley.

**Jason A. Tyszko** is Vice President of the Center for Education and Workforce at the U.S. Chamber of Commerce Foundation. Through events, publications, and policy initiatives, the Center for Education and Workforce— in partnership with Chamber members and business leadership seeks to cultivate and develop innovative thinking that spurs action to preserve America's competitiveness and enhance the career readiness of youth and adult learners.

Jason received his Master of Arts from the University of Chicago and his Bachelor of Arts from DePaul University. He is a certified teacher in the state of Illinois. Tyszko resides in Washington, D.C.

**Anne Valentine** has been working in the higher education sector for over twenty years. She began her career by founding SmartCatalog, a software company which manages academic content for colleges. Currently, Anne is the founder and CEO of DegreeData; a national repository of college curriculum. DegreeData provides specific information about programs and requirements from official curriculum documents exclusively. DegreeData's mission is to deliver highly-detailed credential information to colleges, individuals and employers.

**Geir Vangen** has more than 20 years' experience in developing nationwide systems within higher education. He is head development at Ceres. He participates in national and international standardization work. He has been member of national committees appointed by the Ministry of Education and Research, and has lead projects on behalf of the Ministry. He is a member of the EMREX executive committee and participate in several Erasmus+ and CEF projects. Geir Vangen graduated from University of Oslo, Institute of Informatics in 1989.

**Levette Williams** is the Chief Privacy Officer at the Georgia Department of Education. She is also the agency's Technology Director responsible for overseeing data collections and reporting, a position she has held for 18 years. Levette serves as a leader in the National Forum on Education Statistics and has been instrumental in helping the Forum fulfill its mission to plan, recommend, and develop education data resources that support local, state, and national efforts to improve education. She has chaired Forum Standing Committees; helped to develop the Forum's policies and procedures, and was a longstanding contributor to the Forum's Communications Subcommittee. She has contributed extensively to Forum resources on topics including civil rights data, student data privacy, and supporting data access for researchers, and she was part of the team that developed the Forum Curriculum for Improving Education Data.



## MENUS

*Wednesday  
May 2, 2018*

### LUNCH

Clam Chowder

Baby spinach with caramelized onions, roasted pear, candy pecan, raspberry vinaigrette

Marinated hanger steak with caramelized shallots, beurre maître d'hotel, herbs, garlic, red bliss potatoes

Pan seared Irish salmon with beluga lentil & baby kale

Sticky toffee pudding

Pineapple mousse with coconut sponge and lime fondant

## MENUS

*Wednesday  
May 2, 2018*

### RECEPTION

Antipasto skewer

Tuna tartare & avocado

Beef sliders

Complimentary bar

## MENUS

*Thursday  
May 3, 2018*

### LUNCH

Roasted tomato basil soup, brioche croutons

Classic Caesar salad, focaccia croutons, shaved Gana Padano

Chicken breast with spaghetti zucchini and wild rice

Wild cod with chorizo lima beans and black olive and orange vinaigrette

Pavlova with crème fraiche mousse and seasonal fruits

Carrot cake with cream cheese frosting

## PESC MEMBERS

### AUSTRALIA

University of Melbourne

### CANADA

ApplyAlberta  
McGill University  
Memorial University of Newfoundland  
OCAS  
Ontario College Application Service  
OUAC  
Ontario Universities' Application Centre  
Simon Fraser University  
University of British Columbia  
University of Lethbridge

### IRELAND

Digitary

### NETHERLANDS

Groningen Declaration Network

### UNITED STATES OF AMERICA

AACRAO  
American Association of Collegiate Registrars  
and Admissions Officers  
A4L  
Access4Learning  
ACE  
American Council on Education  
College Board  
Common Application  
NASLA  
National Association of Student  
Financial Aid Administrators  
AcademyOne  
ACT  
Bardic Systems  
Credentials Solutions  
ECE  
Educational Credential Evaluators  
Eduventures

## PESC MEMBERS

Ellucian  
ELM Resources  
FSMB  
Federation of State Medical Boards  
IERF  
International Education Research Foundation  
iQ4  
Jenzabar  
National Student Clearinghouse  
Oracle  
Paradigm  
Parchment  
Smart Catalog  
Student Connections  
Workday  
Arizona State University  
Brown University  
California Community College System  
California State University System  
Carnegie Mellon University  
Central Connecticut State University  
Community College of the Air Force  
Cosumnes River College  
Elon University  
Emory University  
Florida International University  
Georgetown University  
Indiana State University  
Michigan State University  
Southern Connecticut State University  
Stanford University  
University of Arizona  
University of California at Berkeley  
University of Chicago  
University of Colorado Boulder  
University of Denver  
University of Idaho  
University of Louisiana at Lafayette  
University of Maryland University College  
University of Michigan  
University of Mississippi  
University of Missouri System  
University of Northern Iowa  
University of Oregon  
University of Phoenix  
University of Puerto Rico System  
University of Southern California  
University of Texas at Austin  
University of Virginia  
University of Wisconsin at Madison  
Washington State University  
Western Governors University

# ANNUAL BEST PRACTICES

**THE ANNUAL BEST PRACTICES COMPETITION IS HELD BY PESC  
TO HIGHLIGHT AND PROMOTE INNOVATION AND INGENUITY  
IN THE APPLICATION & IMPLEMENTATION OF  
INTEROPERABLE DATA STANDARDS FOR BUSINESS NEEDS**

First held in 1999, the Annual Best Practices Competition is open to institutions, associations, organizations, government agencies and departments, districts, consortia, non-profit and commercial service providers and other education stakeholders that have collaborated to design and/or adopt an electronic standardization initiative via a specific implementation, and/or other medium such as, but not limited to, published articles and white papers.

The Best Practices Competition is open for submissions that can include descriptions of the scope of a project, participant organizations, type of standards employed, relevant dates/project milestones, copies of articles (if an article submission), outline of mission/objectives and any related statistics (# of transactions, cost savings, etc.).

**2017**

**iQ4 & National Student Clearinghouse**

*Extending the Capacity of Higher Education to Scale the Output of Verified Workforce-Ready Graduates*

**2016**

**University of Tennessee System & AcademyOne**

*Automating Reverse Transfer for the State of Tennessee*

**2015**

**Elon University & Parchment**

*Elon Experiences Transcript and Integration to the Academic Transcript*

**2014**

**University of Phoenix**

**2013**

**OCAS - Ontario College Application Service**

**2012**

**NCES - National Center for Education Statistics  
U.S. Department of Education**

**2011**

**South Carolina**

**2010**

**College Foundation of North Carolina**

**2009**

**California Community College Technology Center**

**2008**

**Sinclair Community College & Wainwright State University**

**2007**

**DQC – Data Quality Campaign**

**2006**

**NCHELP**

**2005**

**FSA**

**Federal Student Aid, U.S. Department of Education**  
*Common Origination and Disbursement (COD)  
& Common Record*

**2004**

**A4L**

*SIFA Specification*

**2003**

**ELM Resources & NCHELP**  
*ELMNet & Meteor*

**2002**

**NCHELP**

*CommonLine*

**2001**

**University of Northern Iowa**

**2000**

**OUAC - Ontario Universities Application Centre**



# DISTINGUISHED SERVICE AWARDS

## DISTINGUISHED SERVICE AWARDS

Many, many volunteers from the PESC Membership and education community have helped shape PESC into the organization it is today and we truly thank everyone. The success of PESC is due to the valuable output (from white papers to development, approval and maintenance of standards) produced through workgroups and committees that are staffed and run by these volunteers.

Certain individuals and organizations have gone above and beyond the call of duty and PESC takes the opportunity at Data Summits to recognize them with Distinguished Service and Achievement Awards. PESC Awards serve as our opportunity to say thank you for being a leader and for making a positive impact on education.

**2017**

ARUCC

Mei Hung

**2016**

Thomas Black

Leisa Wellsman

**2015**

CA Community College Technology Center

Jeffrey Alderson

**2014**

Brian Allison

Doug Holmes

David Webber

**2013**

Hans L'Orange

Susan McCrackin

**2012**

John Ittelson, Ph.D.

**2011**

AACRAO SPEEDE Committee

Charles Leonhardt

**2010**

Kristi Blabaum

Michael Morris

**2009**

Steve Biklen

Dave Moldoff

Clare Smith-Larson

**2008**

Judith Flink

**2007**

AACRAO

Jim Farmer

**2006**

Ed Hauser

Keith Riccitelli

Tom Stewart

**2005**

Tim Bornholtz

Mark Bolembach

**2004**

Holly Hyland

Adele Marsh

Dallas Martin

Bruce Marton

**2003**

Jerry Bracken

**2002**

Steve Margenau

Adele Marsh

Bruce Marton

Paul Ness

Jeanenne Rothenberger

Michael Sessa

**2001**

Rebecca Babel

Ellen Blackmun

Steve Margenau

Karl Van Neste

**2000**

David Leonard

Tim Pavlick

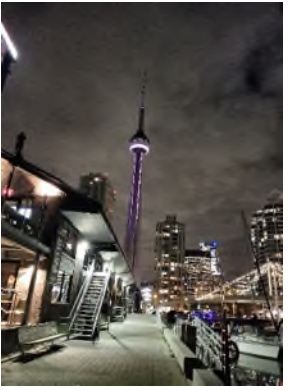
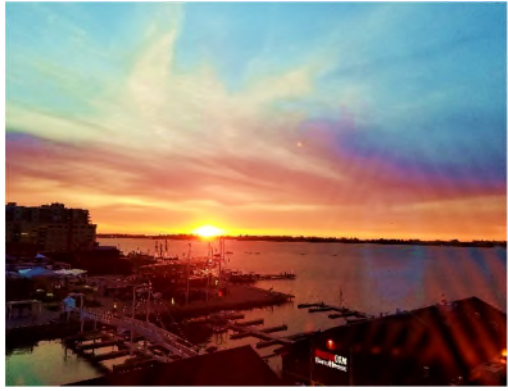
Dave Stones



**CANADIAN PESC USER GROUP**



AN OPEN, COLLABORATIVE GROUP OF CANADIAN STAKEHOLDERS THAT ENSURES PESC'S MISSION AND ALL PESC DELIVERABLES, INCLUDING THE DEVELOPMENT AND RELEASE OF PESC APPROVED STANDARDS, SUPPORTS AND INCORPORATES THE NEEDS AND INTERESTS OF CANADIAN STUDENTS, INSTITUTIONS AND CANADIAN-BASED STAKEHOLDERS



**FALL 2017 DATA SUMMIT**



**THANK YOU!**

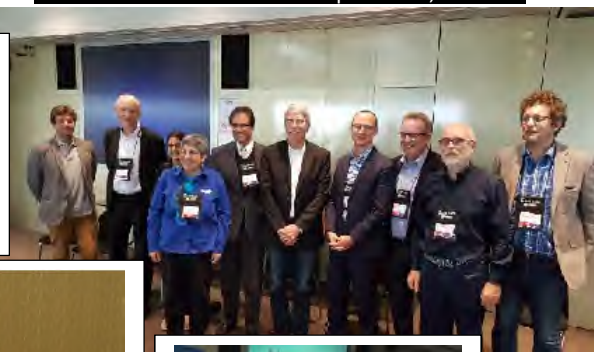


# ACTIVATING INTEROPERABILITY ACROSS THE EDUCATION DOMAIN

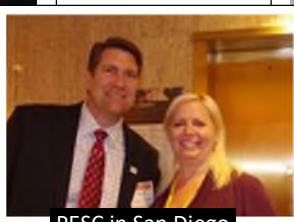
PESC Board '10 Year Service' DC May 3-5, 2017



GDN Board in Melbourne April 26-28, 2017



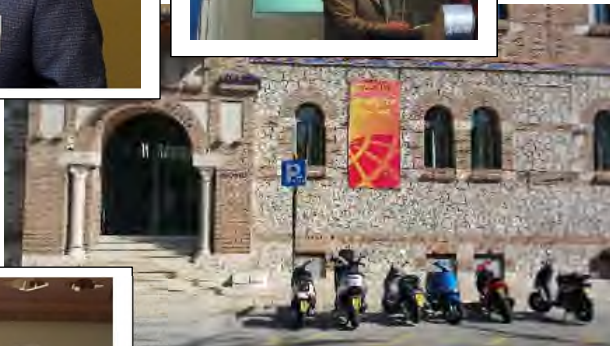
PESC in San Diego  
October 14, 2016



PESC at GDN in  
Melbourne April  
26-28, 2017



PESC at GDN in  
Melbourne April  
26-28, 2017



PESC at GDN in Malaga May 4-6, 2015

PESC at NDIA/ADL in Alexandria August 1, 2017



GDN at PESC DC April 13, 2016

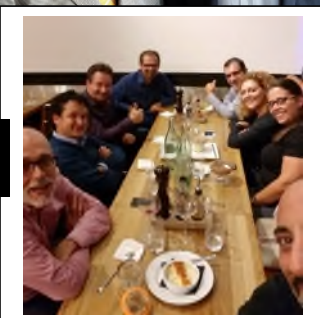
EWP at PESC San Diego May 3-5, 2017



PESC at EWP in Brussels Sept 26, 2017



PESC at EWP in  
Brussels  
Sept 26, 2017



PESC at EAIE in  
Glasgow  
Sept 15, 2015



PESC at GDN in Melbourne April 26-28, 2017

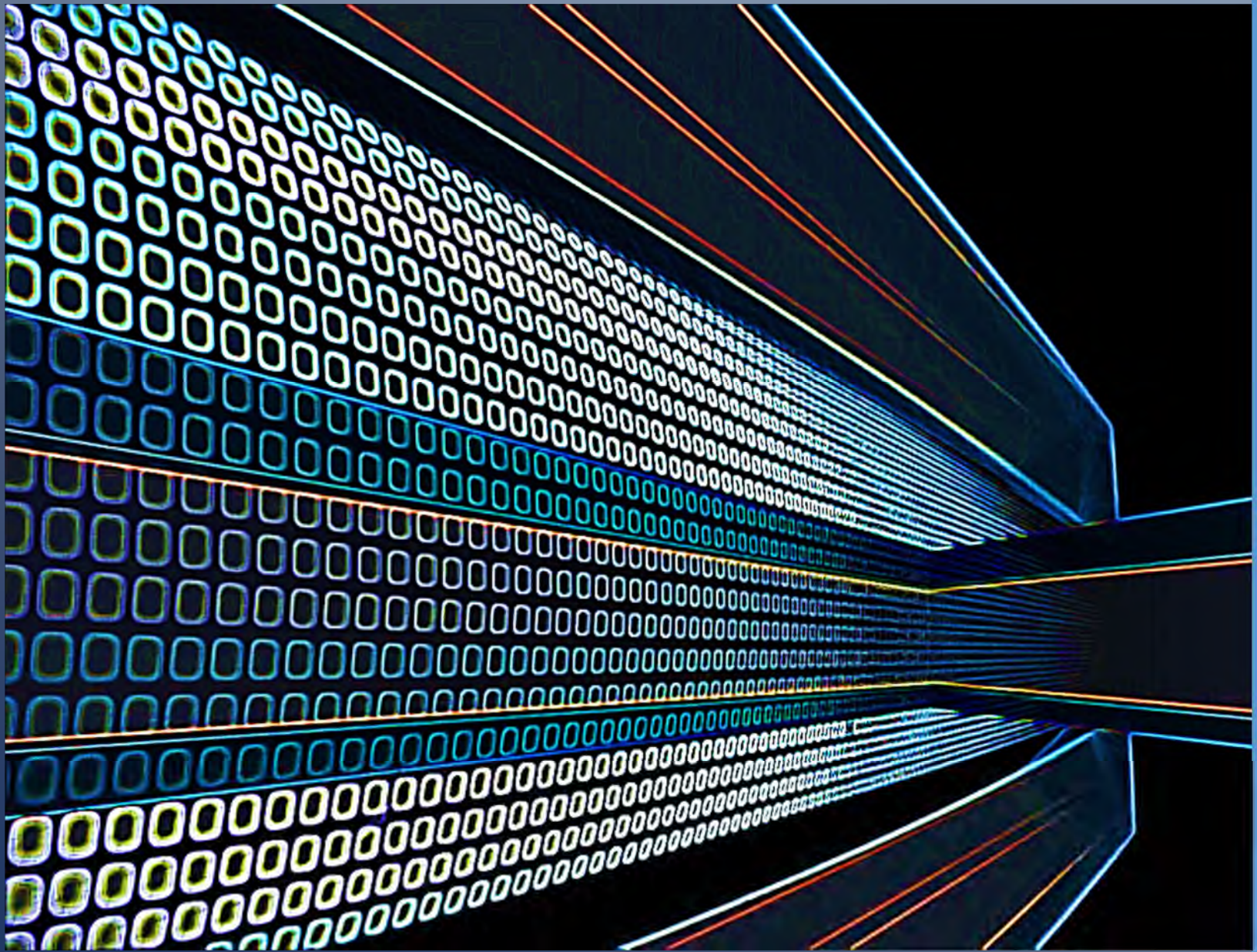


PESC at GDN in  
Cape Town  
May 17-19, 2016



PESC at Blockchain Conference in Groningen Sept 5, 2017





*Leading the*

ESTABLISHMENT & ADOPTION  
OF OPEN DATA STANDARDS  
ACROSS THE EDUCATION DOMAIN

PRESS

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**PESC LEADS THE ESTABLISHMENT & ADOPTION OF OPEN DATA STANDARDS ACROSS THE EDUCATION DOMAIN BY SERVING AS AN OPEN STANDARDS-DEVELOPMENT & OPEN STANDARDS-SETTING BODY.**

**PESC TECHNOLOGY IS COMMUNITY-SOURCED AND DRIVEN BY PESC SERVING AS AN INCUBATOR TO PILOT AND LAUNCH DATA STANDARDS (EDI, XML, PDF, JSON) USING AN OPEN, TRANSPARENT AND COLLABORATIVE PROCESS.**

**AS A DATA STANDARDS-DEVELOPMENT AND DATA STANDARDS-SETTING BODY FOUNDED IN 1997, PESC GOVERNS RESOURCE MAPPING AND MAINTENANCE OF EDUCATION ECO-SYSTEM SCHEMAS, TAXONOMIES AND SHARED CODE SETS IN VARIOUS TECHNOLOGIES.**

#### **CURRENT PESC GROUPS & COMMITTEES**

- 1) ACADEMIC CREDENTIALING & EXPERIENTIAL LEARNING
- 2) BOARD OF DIRECTORS
- 3) CANADIAN PESC USER GROUP
- 4) CHANGE CONTROL BOARD
- 5) EDEXCHANGE
- 6) EDUCATION RECORD USER GROUP
- 7) GLOBAL EDUCATION ORGANIZATION CODE
- 8) STANDARDS DEVELOPMENT FORUM FOR EDUCATION
- 9) TECHNICAL ADVISORY BOARD

#### **CURRENT PESC APPROVED STANDARDS**

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- 2) ACADEMIC EPORTFOLIO
- 3) ACADEMIC HIGH SCHOOL TRANSCRIPT
- 4) ACADEMIC RECORD
- 5) ADMISSIONS APPLICATION
- 6) COMMON CREDENTIAL FOR CERTIFICATES, DEGREES & DIPLOMAS
- 7) CORE MAIN
- 8) DATA TRANSPORT
- 9) EDI
- 10) EDUCATION COURSE INVENTORY
- 11) EDUCATION TEST SCORE REPORTING
- 12) FUNCTIONAL ACKNOWLEDGMENT
- 13) PDF ATTACHMENT
- 14) REQUEST - RESPONSE
- 15) STUDENT AID
  - COMMON RECORD COMMONLINE - CRC
  - ONLINE LOAN COUNSELING
  - STUDENT LOAN DETAIL PORTFOLIO

#### **ANNUAL AWARDS INCLUDE**

- 1) 19<sup>TH</sup> ANNUAL BEST PRACTICES COMPETITION
- 2) DISTINGUISHED SERVICE AWARDS



## **CURRENT PESC FUNDING ORIGINATES FROM**

- 1) ANNUAL MEMBERSHIP DUES
- 2) REGISTRATION FEES FROM SPRING & FALL DATA SUMMITS
- 3) ANNUAL SPONSORSHIP

## **SPRING & FALL DATA SUMMITS**

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MICHAEL SESSA, PRESIDENT & CEO

JENNIFER KIM, MEMBERSHIP SERVICES DIRECTOR

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**PESC IS A PROUD EXHIBITOR** at [AACRAO's Annual Meeting](#), [ARUCC's Annual Meeting](#), and the [Annual STATS-DC Conference](#) of the National Center for Education Statistics (NCES) of the US Department of Education.

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## ABOUT PESC

**ESTABLISHED IN 1997 AT THE NATIONAL CENTER FOR HIGHER EDUCATION & HEADQUARTERED IN WASHINGTON DC**, PESC is an international, 501 (c)(3) non-profit, community-based, umbrella association of data, software and education technology service providers; schools, districts, colleges and universities; college, university and state systems; local, state/province and federal government agencies; professional, commercial and non-profit organizations; and non-profit associations & foundations.

**LEADING THE ESTABLISHMENT & ADOPTION OF OPEN DATA STANDARDS ACROSS THE EDUCATION DOMAIN.** Through open and transparent community participation, PESC enables cost-effective connectivity between data systems to accelerate performance and service, to simplify data access and research, and to improve data quality along the Education lifecycle. PESC envisions global interoperability within the Education domain, supported by a trustworthy, inter-connected network built by and between communities of interest in which data flows digitally and seamlessly from one community or system to another and throughout the entire eco-system when and where needed without compatibility barriers but in a safe, secure, reliable, legal, and efficient manner.

**ABOUT PRIVACY** While PESC promotes the implementation and usage of data exchange standards, PESC does not set (create or establish) policies related to privacy and security. Organizations and entities using PESC Approved Standards and services should ensure they comply with FERPA and all local, state, federal and international rules on privacy and security as applicable.

**IN FULFILLING ITS NON-PROFIT MISSION**, all PESC Approved Standards are available to the education community online free of charge at [www.PESC.org](http://www.PESC.org).