– CONNECTING THE –
NEW DIGITAL ECOSYSTEM

DATA SUMMIT & SYMPOSIUM

◻️ PESC®

Welcome

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- Duklas Cornerstone Consulting
- EducationPlannerBC
- McGill University
- Nova Scotia Council on Admission & Transfer
- OCAS
- Ontario Universities' Application Centre
- University of Lethbridge
- University of Montreal

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- Groningen Declaration Network

UNITED STATES OF AMERICA
- AACRAO
- Association of American Medical Colleges
- Access 4 Learning (A4L) Community
- American Council on Education (ACE)
- Association of International Credential Evaluators (AICE)
- College Board
- Common Application
- Federation of State Medical Boards (FSMB)
- Lumina Foundation
- National Association of Student Loan Administrators (NASLA)
- U.S. Chamber of Commerce Foundation

- California Community College System
- California State University System
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- University of Missouri System

- Brown University
- Carnegie Mellon University
- Central Connecticut State University
- Community College of the Air Force
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- Indiana State University
- Michigan State University
- University of Arizona
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- University of North Texas
- University of Oregon
- University of Phoenix
- University of Puerto Rico System
- University of Southern California
- University of Virginia
- University of Wisconsin at Madison
- Washington State University
- Western Governors University

- AcademyOne
- ACT
- Bardic Systems
- DegreeData
- Educational Credential Evaluators (ECE)
- Ellucian
- ELocker
- ELM Resources
- Hyland Credentials
- iQ4
- Jenzabar
- Liaison International
- National Student Clearinghouse
- Oracle
- Paradigm
- Parchment
- World Education Services (WES)

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 primarily to the valuable output (from white papers to development, approval and maintenance processes of standards) produced through workgroups and committees that are staffed and run by these volunteers. Certain individuals have gone above and beyond the call of duty and PESC takes the opportunity each year to recognize them with Distinguished Service Awards. Distinguished Service Awards serve as our occasion to say thank you for being a leader and for making a positive impact on education. Thank you!

2020
xx
xx
xx
xx

2019
Herman de Leeuw
Simone Ravaioli
Monterey Sims
Cathy van Soest

2018
Janie Barnett
Matt Bemis
National Student Clearinghouse

2017
ARUCC
Brian Allison
Doug Falk
Mei Hung
Dave Moldoff
Rick Skeel

2016
Thomas Black
Francisco Valines
Leisa Wellsman
Andy Wood

2015
California 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

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

Program Committee

PESC thanks leaders and experts within the community that help generate and propose ideas and speakers; follow up with emails and calls related to program; proofread and edit materials for final publication. Thank you!

Thomas Black
Chief Innovation Officer, Paradigm

Matthew Coombs
Chief Operating Officer, eLumen

Joanne Duklas
Association of Registrars of the Universities and Colleges of Canada (ARUCC)

Sean Gannon
Vice President, Sales, Global Higher Education, Parchment

Melanie Gottlieb
Deputy Director, American Association of Collegiate Registrars and Admissions Officers (AACRAO)

Alex Jackl
President & CEO, Bardic Systems

Johmarx Patton
Director, Educational Technology and Standards/MedBiquitous Association of American Medical Colleges (AAMC)

Simone Ravaioli
Director of Strategic Partnerships, Digitary

Monterey Sims
Director of Admissions and Evaluation, Document Processing, University of Phoenix

Anne Valentine
President, DegreeData

PROGRAM AT-A-GLANCE

TUESDAY DECEMBER 8, 2020	WEDNESDAY DECEMBER 9, 2020	THURSDAY DECEMBER 10, 2020
12.00 PM – 1.30 PM (EST)	12.00 PM – 1.30 PM (EST)	12.00 PM – 1.30 PM (EST)
1 Welcome & Overview **The Academic High School & College Transcript** Panel A B C D Q & A	**3** Welcome & Overview **Learning & Employment Records & Data** Panel A B C D Q & A	**5** Welcome & Overview **In the PESC Spotlight: Coffee Talks** Panel ▪ AACRAO SPEEDE ▪ Florida International University ▪ University of Phoenix ▪ University of Southern California Q & A
3.00 PM – 4.00 PM (EST)	3.00 PM – 4.00 PM (EST)	3.00 PM – 4.00 PM (EST)
2 **EDI vs. JSON vs. PDF vs. XML** Panel A B C D Q & A	**4** **The Wrapper, The Payload, & Self-Sovereignty** Panel A B C D Q & A	**6** **In the PESC Spotlight: Coffee Talks** ▪ DegreeData ▪ Digitary ▪ National Student Clearinghouse ▪ Parchment Q & A

TUESDAY DECEMBER 15, 2020	WEDNESDAY DECEMBER 16, 2020	THURSDAY DECEMBER 17, 2020
12.00 PM – 1.30 PM (EST)	12.00 PM – 1.30 PM (EST)	12.00 PM – 1.30 PM (EST)
7 Welcome & Overview **ARUCC National Network, Europass DCI & Microcredentials** Panel A B C D Q & A	**9** Welcome & Overview **Data Standards United for Lifelong Learning & Employment** Panel A B C D Q & A	**11** Welcome & Overview **The PESC Community 2.0 – All Together Now!** Panel ▪ PESC Board of Directors ▪ PESC Staff Q & A
3.00 PM – 4.00 PM (EST)	3.00 PM – 4.00 PM (EST)	3.00 PM – 4.00 PM (EST)
8 **CanPESC & GDN** Panel A B C D Q & A	**10** **IEEE (ILR & LTSC) & W3C** Panel A B C D Q & A	**12** **PESC Distinguished Service Awards & NEW Best Practices** Award 1 Award 2 Award 3 Award 4

CONNECTING THE NEW DIGITAL ECOSYSTEM | DATA SUMMIT & SYMPOSIUM

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Program

12.00 PM – 12.15 PM (EST)   Welcome and Overview

①   **12.15 PM – 1.30 PM (EST)**   **The Academic High School & College Transcript**

Panelists: TBD

This session begins with an overview of the transcript and its history. What is the transcript? How is it being used and by whom? What is the value and who benefits?

This session discusses how many transcripts are exchanged and how they are exchanged. What are the methods of data exchange? What versions are used? How are sending and receiving managed differently?

This session concludes with discussion on the transcript in a new digital ecosystem. Why are we still talking about transcripts? Are there new users of transcripts and/or of transcript data?

②   **3.00 PM – 4.00 PM (EST)**   **EDI vs. JSON vs. PDF vs. XML**

Panelists: TBD

This session begins with an overview of the various formats used to exchange data. What is EDI? What is JSON? What is PDF? What is XML?

This session discusses why one format may be used over another, why many formats are used together, and the need for structured data. Where is higher education?

This session concludes with discussion on how formats are used in the new ecosystem. How is interoperability occurring?   What is the role of data mapping/crosswalking?

12.00 PM – 12.15 PM (EST)   **Welcome and Overview**

3

12.15 PM – 1.30 PM (EST)   **Learning & Employment Records & Data**

Panelists: TBD

This session begins with an overview of Learning and Employment Records (LERs) and its history? What is the ILR? What is the LER? How is it being used and by whom? What is the value and who benefits?

This session discusses what data is being exchanged and how it is being exchanged. What are the methods? What types of organizations are involved? What are the pilots and what are they trying to achieve?

This session concludes with discussion on how LERs fit into the new digital ecosystem. What are the next steps? What should everyone expect?

4

3.00 PM – 4.00 PM (EST)   **The Wrapper, The Payload & Self-Sovereignty**

Panelists: TBD

This session begins with a technical overview of the new digital ecosystem. What is the vision? What is the wrapper? What is a payload? What is self-sovereignty?

This session discusses the guidance being provided and how standards fit in. What are the rules? What are the resources? How does one connect to this initiative?

This session concludes with discussion on the learner view of the new digital ecosystem. What does learner-centric mean? Why verifiable?

12.00 PM – 12.15 PM (EST)   **Welcome and Overview**

5   **12.15 PM – 1.30 PM (EST)**   **In The PESC Spotlight: Coffee Talks With**

Panelists:
- AACRAO SPEEDE
- Florida International University
- University of Phoenix
- University of Southern California

This session is a more casual discussion and conversation with PESC's Board of Directors and PESC's Sponsors. How are you coping under the current COVID-19 environment? How are you, your family, your co-workers? How has your life changed? How has your organization responded and what challenges do you face?

6   **3.00 PM – 4.00 PM (EST)**   **In The PESC Spotlight: Coffee Talks With**

Panelists:
- DegreeData
- Digitary
- National Student Clearinghouse
- Parchment

This session is a more casual discussion and conversation with PESC's Board of Directors and PESC's Sponsors. How are you coping under the current COVID-19 environment? How are you, your family, your co-workers? How has your life changed? How has your organization responded and what challenges do you face?

12.00 PM – 12.15 PM (EST)   **Welcome and Overview**

7   **12.15 PM – 1.30 PM (EST)**   **ARUCC National Network, Europass Digital Credentials & Microcredentials**

Panelists: TBD

This session begins with an overview and update on the ARUCC National Network and the Europass Digital Credentials Initiative? What are they? What is the value and who benefits?

This session discusses the emergence of credentials and digital information across the globe. What are microcredentials? What is the value and who benefits?

This session concludes with discussion on interoperability. How do we achieve global interoperability? Can mapping/crosswalking be done between PESC & EDCI? What is the value and who benefits?

8   **3.00 PM – 4.00 PM (EST)**   **Canadian PESC User Group & Groningen Declaration Network**

Panelists: TBD

This session begins with an overview and update on the Canadian PESC User Group (CanPESC) and the Groningen Declaration Network (GDN). What is CanPESC? What is GDN? What is the value and who benefits?

This session discusses current works, pilots and projects.

This session concludes with plans for the coming year and what to expect in the new digital ecosystem.

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12.00 PM – 12.15 PM (EST)   **Welcome and Overview**

9

12.15 PM – 1.30 PM (EST)   **Data Standards United for Lifelong Learning & Employment**

Panelists:
Kim Bartkus, Executive Director, HR Open Standards Consortium
Larry Fruth, Ph.D., Executive Director, Access 4 Learning (A4L) Community
Michael Sessa, President & CEO, PESC

This session begins with an overview of the current standards landscape. What is a voluntary consensus standard? What is the difference in standards?

This session discusses the formation of Data Standards United. What is DSU? Who is involved? What is the value and who benefits?

This session concludes with discussion on DSU in the new digital ecosystem. What's coming up for DSU? What can the ecosystem expect?

10

3.00 PM – 4.00 PM   **Introduction to PESC: Institute of Electrical and Electronics Engineers (IEEE) Learning Technology Standards Committee (LTSC) & World Wide Web Consortium (W3C)**

Panelists: TBD

This session begins with an introduction and overview of IEEE and W3C. What are they? Who is involved? What is the value and who benefits?

This session discusses current works, pilots and projects.

This session concludes with plans for the coming year and what to expect in the new digital ecosystem.

12.00 PM – 12.15 PM (EST)   **Welcome and Overview**

11   **12.15 PM – 1.30 PM (EST)**   **The PESC Community – All Together Now!**

Panelists: PESC Board of Directors

This session brings it all together. What are we trying to accomplish and how do we do it? What areas are we focusing on? What is happening internally at PESC? How is PESC prepared for a new digital ecosystem?

12   **3.00PM – 4.00PM**   **PESC Distinguished Service Awards & NEW Best Practices**

PESC will be honoring four individuals within our community for their outstanding service. Please stay tuned for more information.

Since its inception in 1999, the PESC Annual Best Practices Competition has only made one award each year. Starting in 2021, PESC will expand its Best Practices to acknowledge projects and pilots in various ways. Please stay tuned for more information.

POSTSECONDARY ELECTRONIC STANDARDS COUNCIL

LEADING THE ESTABLISHMENT AND ADOPTION OF TRUSTED, FREE & OPEN DATA STANDARDS ACROSS THE EDUCATION DOMAIN SINCE 1997

PESC IS SPONSORED ANNUALLY by Digitary, National Student Clearinghouse, Parchment Inc., DegreeData and Educational Credential Evaluators. PESC partners include AACRAO, ARUCC, A4L Community, EMREX, EWP, Groningen Declaration Network, HR Open Standards, SHEEO, T3 Innovation Network, and the US Department of Education's Common Education Data Standards (CEDS) Initiative.

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.

PESC IS A PROUD SPONSOR of AIR's Annual Conference and of the Annual California Electronic Transcripts Workshop and CCCApply.

PESC IS A PROUD MEMBER/AFFILIATE/SIGNATORY of AACRAO, of the NCES National Forum on Education Statistics, and of the Groningen Declaration Network.

PESC HAS A STRONG HISTORY that includes AACRAO, SPEEDE, EDI, ANSI, X12, Canada, the US Department of Education and Y2K. Read more at www.PESC.org.

IN FULFILLING ITS NON-PROFIT MISSION, all PESC APPROVED STANDARDS are available to the education community online free of charge at www.PESC.org.

ABOUT PESC

ESTABLISHED 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 and provincial systems; local, state/provincial and federal government agencies; professional, commercial and non-profit organizations; and non-profit associations & foundations.

Leading the **ESTABLISHMENT & ADOPTION OF TRUSTED, FREE & OPEN 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 automatically from one community, system or network to another and throughout the entire ecosystem 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 GDPR, FERPA and all local, state, provincial, federal and international rules on privacy and security as applicable. For more information, see www.PESC.org.

You are cordially invited to attend PESC's December 2020 Data Summit! Please join us!

In consideration of the current COVID-19 pandemic, PESC has scaled down its usual schedule for convenings and offers a smaller, more focused Data Summit.

Connecting the New Digital Ecosystem Data Summit spans two weeks December 8-10, 2020 & December 15-17, 2020 and features:

•   Six panel discussions, each starting at 12pm EST
•   Six interactive discussions, each starting at 3pm EST
•   Distinguished Service Awards
•   Sponsor Expo with daily raffles
•   New Best Practices Competition

The PESC Membership and the General Public are welcome and encouraged to register and attend!

•   Learn about emerging initiatives and be provided with a tremendous amount of resources & contacts
•   Participate in discussions with leaders and experts of emerging initiatives
•   Connect through PESC to a growing global community
•   Hear about new opportunities, demonstrations & pilots

Whether you are a policymaker, technologist, manager, expert practitioner or CEO, PESC welcomes you!

The **December 2020 Data Summit** targets access, integration and implementation of data systems; maintenance and promotion of data exchange standards; open, community-driven development and innovation of technology; data privacy, data quality, data management, and data collection and reporting; mobility and overall interoperability; and other key factors that drive global education data systems development and technology.

PESC and PESC Members lead open, transparent, collaborative development across the education domain. Supporting this mission are PESC Partners and Affiliates: AACRAO, ARUCC, A4L Community, DXtera Institute, EMREX, Erasmus Without Paper (EWP), Groningen Declaration Network (GDN), HR Open Standards, SHEEO, the T3 Innovation Network and the U.S. Department of Education's CEDS - Common Education Data Standards Initiative.
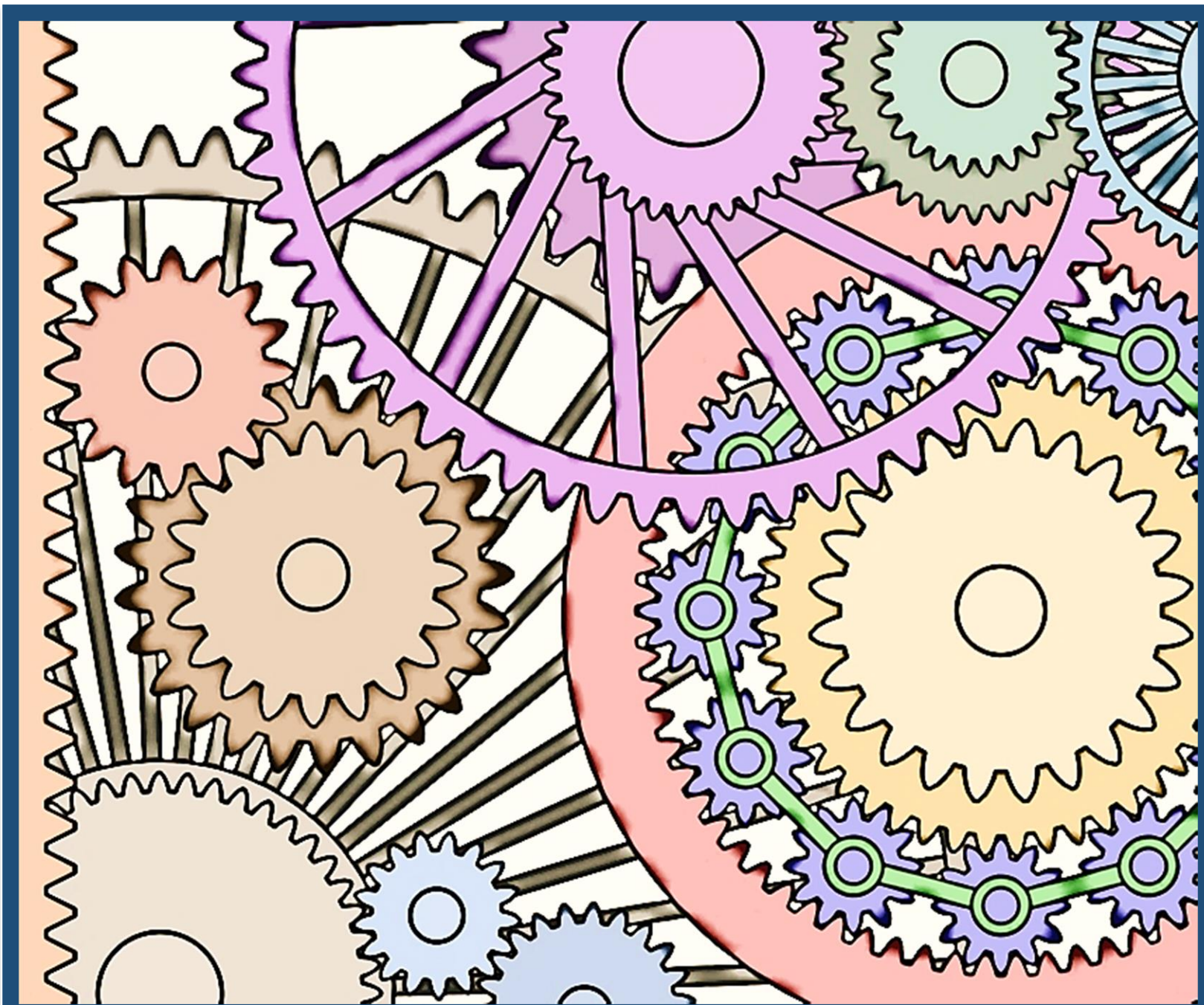
PESC Sponsors include: Annual Diamond Sponsor Members: Digitary, National Student Clearinghouse, and Parchment; Annual Gold Sponsor Member: DegreeData; and Silver Sponsor Member: Educational Credential Evaluators (ECE).

The **December 2020 Data Summit** spans six days total with the same format followed each day: one general session at 12 PM EST followed by one general session at 3 PM EST. All sessions are presented via ZOOM Meeting Software. PESC recommends registrants test their internet connection by joining a 'test' meeting at https://zoom.us/test.

Registration Cancellation Policy All cancellation and refund requests must be submitted to PESC in writing (e.g. email) and will be processed 30 calendar days after the December 2020 Data Summit concludes. Any person who registers and decides not to attend MUST submit a formal cancellation request - otherwise full payment is due. Cancellation and refund requests made by December 4, 2020 may be considered for a refund upon request. Any cancellation and refund request made after December 4, 2020 not eligible for a refund regardless of the attendance of the registrant. All cancellation and refund requests must be submitted to Jennifer Kim, Membership Services Director, PESC, 1250 Connecticut Ave NW, Suite 700, Washington, DC 20036 or to Jennifer.Kim@PESC.org.

Registration Policy 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, moderators and chairs and is truly grateful for their efforts in volunteering to provide updates and presentations at Data Summits. Only in rare instances, however can registration fees be considered for waiver and only by the PESC office.

Notice of Filming and Recording By participating in this event, you agree that you may be recorded, filmed and/or photographed, and you grant PESC and our affiliates the right to use, publish, and copyright your picture, likeness and/or name and/or audio recording in videos and/or photos taken during this event for use by PESC and our affiliates throughout the world, in perpetuity, and through media.

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