Preface

The EdMedia Community

In 2017, the EdMedia World Conference on Educational Media and Technology welcomed delegates for its 29th annual conference in Washington, D.C. The Washington metropolitan area boasts six “Research 1” universities, US colleges identified as performing research at the highest level. Conference delegates were wined, dined, and entertained in the setting of the Westin Hotel, convenient to the 18th-century historical area in Alexandria, Virginia, as well as the United States’ capital of Washington, DC. It was a beautiful and inspirational setting for the meeting of our community of scholars. Attendees were treated to a delicious daily breakfast, two beverage breaks per day, lunch for participants in Special Interest Groups and Topics, plus a plated closing lunch for all on the final day. With EdMedia community building as a priority, social events featured a special Newcomer welcome activity, a welcome disco party for all attendees, a free movie screening and a graduate students’ night out. Delegates could also travel to nearby Washington, DC, for tours of the two most renowned Smithsonian Museums, the Natural History Museum and the Air and Space Museum. A final sightseeing cruise on the Potomac River highlighted some of the iconic monuments and memorials for which the city is famous.

The Setting

Alexandria is nationally recognized for its rich history and beautifully preserved 18th- and 19th-century architecture - an extraordinary backdrop for acclaimed, chef-driven restaurants; a thriving boutique scene; vibrant arts and culture and a compact, walkable layout only minutes from the conference hotel. Fifteen minutes on the subway put delegates into Washington, DC, in the heart of the “monument core,” with the soaring dome of the National Capitol building at one end, the obelisk of the Washington Monument in the middle and the Greek temple-style Lincoln Memorial at the other. Just beyond the Capitol is the Library of Congress, the world’s largest library with over 162 million items. They are connected by the Smithsonian Institution, whose 17 city buildings form the largest museum in the world, all of it free. Not far away is the Kennedy Center for the Performing Arts. The District’s dining scene received its first Michelin Guide mention and was recently named restaurant city of the year by Bon Appétit and hottest food city by Zagat. As the center of the United States’ government, as well as the international diplomatic corps, Washington enjoys a complex and thriving cultural life. It’s a rare day that does not include multiple cultural activities, music festivals or theater performances.

The Program

Acclaimed American keynote speakers started each day with current, compelling topics. Speakers included Richard Culatta, Chief Innovation Officer for the State of Rhode Island, USA; Diana Oblinger, President Emeritus of EDUCAUSE, and Karen Schriver, CEO of KSA Communication Design & Research. A Keynote Conversation following each presentation offered attendees the opportunity for dialogue with these renowned experts. The Emerging Scholar Stream showcased seven papers specifically relevant to graduate students and new faculty. Our three special interest groups – Emerging Technologies for Learning and Teaching, Emerging Scholars and Learning Design – hosted engaging, community building meetings over meals.

Paper Acceptance and Review

For the 2017 EdMedia Conference, more than 200 papers were accepted for presentation at conference. Forty-one virtual papers were also accepted and presented. This represents an acceptance rate of approximately 30% of papers submitted to the conference. Each paper was peer-reviewed by at least two members of the Program Committee, made up of scholars throughout the world. The contents of the proceedings are available through the LearnTechLib – The Learning and Technology Library. A total of 7 submissions were recognized with the Outstanding Paper Award based on highly-scored reviews. The Executive Committee also identified first, second and third place winners for the Outstanding Poster Award from the 19 posters displayed at the conference.

Appreciation

EdMedia would like to thank all the delegates who presented a range of excellent papers throughout the conference, as well as the international reviewers who helped to choose them for presentation.

In addition, we would like to thank all of the enthusiastic and hardworking staff members of AACE, led by Dr. Gary Marks, who work behind the scenes to make this conference so impressive every year. In particular, deep gratitude goes to Conference Director, Sarah Duke Benson, whose extraordinary efforts always ensure a well-organized, exciting conference. She, together with our Local Chair, Joyce Johnston, of George Mason University, USA, organized the event’s venue and site arrangements, program schedule, registration, and social events, to
ensure that the conference ran smoothly. We are also grateful all of the wonderful volunteers who assisted on the registration desk, and provided technical support and general assistance throughout the conference.

We also give special appreciation to the Executive Committee, a group of scholars from throughout the world, who assisted in the selection of speakers, handled other academic aspects of the conference, worked tirelessly and virtually throughout the year to bring you the best conference possible. In 2017, the committee was comprised of:

**Chair:** Catherine P. Fulford, University of Hawaii at Manoa, USA  
**Program Chair:** Joyce P. Johnston, George Mason University, USA  
**Social Web Team Coordinator:** Martin Ebner, Graz University of Technology, Austria and Stefanie Panke, University of North Carolina-Chapel Hill, USA  
**Posters:** Theo Bastiaens, Fernuniversität in Hagen, Germany, & Open University of The Netherlands  
**Emerging Scholar Stream Chair:** Verona Leendertz, North West University Potchefstroom, South Africa, and Ellen Taricani, Pennsylvania State University, USA  
**Executive Committee:** Gary Marks, AACE, USA; Theo Bastiaens, Fernuniversität in Hagen, Germany & Open University of The Netherlands, The Netherlands; Gayle V. Davidson-Shivers, University of South Alabama, USA (2013-2017); Nellie Muller Deutsch, Atlantic University, Canada (2014-2017); Martin Ebner, Graz University of Technology, Austria (2008-2017); Catherine Fulford, University of Hawaii, USA (2009-2018); Joyce P. Johnston, George Mason University, USA (2013-2018); Wilfred Lau, Chinese University, Hong Kong (2016-2018); Ludmila Smirnova, Mount St. Mary College, USA (2016-2018); Mikhail Fominykh, Norwegian University of Science and Technology & Molde University College, Norway (2016-2018); Ellen Taricani, Pennsylvania State University, USA (2016-2018); Verona Leendertz, North West University Potchefstroom, South Africa (2016-2018); Saul P. Carliner, Concordia University, Canada (2017-2020).

We look forward to seeing you again—or perhaps for the first time—at our next exciting EdMedia Conference, to be held in Amsterdam, The Netherlands, June 25-29, 2018. It will be a pleasure to welcome you into the community of EdMedia!

Catherine P. Fulford, Ph.D., Executive Committee Chair  
& Joyce P. Johnston, Program Chair
**EDMEDIA EXECUTIVE COMMITTEE**

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<th><strong>CHAIRS &amp; CO-CHAIRS</strong></th>
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<tr>
<td><strong>Chair:</strong> Catherine Fulford, Univ. of Hawaii, USA (2009-2017)</td>
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<td><strong>Chair Elect:</strong> Theo Bastiaens, Fernuniversität in Hagen, Germany &amp; Open University of The Netherlands</td>
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| **Local Program Chair:** Joyce P. Johnston, George Mason University, USA (2013-2017) |

| **Social Web Team Coordinators:** Martin Ebner, Graz Univ. of Technology, Austria & Stefanie Panke, Univ. of North Carolina-Chapel Hill, USA |

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**EXECUTIVE COMMITTEE**

Theo Bastiaens, Fernuniversität in Hagen, Germany & Open University of The Netherlands, The Netherlands
Mark Brown, National Institute of Design Learning, Ireland (2017-2020)
Lorenzo Cantoni, USI-Università della Svizzera Italiana, Switzerland (2017-2020)
Saul Carliner, Concordia University, Canada (2017-2020)
Manuel Castro, The National Distance Education University, Spain (2017-2020)
Rhonda Christensen, University of North Texas, USA (2017-2020)
Gayle V. Davidson-Shivers, University of South Alabama, USA (2013-2017)
Koen DePryck, Universiteit Brussel, The Netherlands (2017-2020)
Nellie Deutsch, University of Phoenix, Canada (2014-2017)

**EDMEDIA PROGRAM COMMITTEE**

Nagia Ali, Emirates College of Advanced Education, United Arab Emirates
Yayoi Anzai, Kyushu Univ. Center for Research on Educational Testing, Japan
Theo Bastiaens, FernUniv. in Hagen (Germany) and Open University of the Netherlands (The Netherlands), Netherlands
Leanne Cameron, Australian Catholic Univ., Australia
Denis Coelho, Univ. of Beira Interior, Portugal
Betul Czerkowski, Univ. of Arizona, United States
Fevzi Inan Dönmez, Anadolu Univ., Turkey
Martin Ebner, Department of Social Learning / Graz Univ. of Technology, Austria
Yoram Eshet, The Open Univ. of Israel, United States
Jan Herrington, Murdoch Univ., Australia
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Eunice Luyegu, Nova Southeastern Univ., United States
Vives Margarita, Univ. de les Illes Balears, Spain
Nellie Muller Deutsch, Univ. of Phoenix, Canada
Asaad AbdulRahman Nayyef Aliani, Sultan Qaboos Univ., Oman
Valeri Paul, PFM Associates, United States
Alexander Pichugin, Rutgers, The State Univ. of New Jersey, United States
K.S. Ramakrishnan, Tamil Nadu Open Univ., India
António Teixeira, Univ. of Lisbon, Portugal
Jarmo Viteli, Univ. of Tampere, Finland
Edgar Weippl, Vienna University of Technology, Austria (2017-2020)

**EDMEDIA REVIEW POLICY**

EdMedia conference submissions are peer-reviewed by at least two reviewers who are members the conference’s international Program Committee of experts in fields specifically matching the conference topics. Papers are subject to a double-blind review.

A review of all papers receiving high scores is undertaken by the members of the Board to nominate outstanding papers.

**Acceptance rate:** The acceptance rate for EdMedia conferences is 25-39%.
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+ 2,000 More Journals!

Conference proceedings including:
- SITE – Society for Information Technology and Teacher Education International Conference
- EdMedia – World Conference on Educational Media & Technology
- Global Learn – Global Conference on Learning and Technology
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- International Journal of Research Studies in Educational Technology

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Invitation to Join

The Association for the Advancement of Computing in Education (AACE) is an international, non-profit educational organization. The Association’s purpose is to advance the knowledge, theory, and quality of teaching and learning at all levels with information technology.

This purpose is accomplished through the encouragement of scholarly inquiry related to technology in education and the dissemination of research results and their applications through AACE sponsored publications, conferences, and other opportunities for professional growth.

AACE members have the opportunity to participate in Special Interest Groups (SIGs), high-quality peer-reviewed publications, and conferences.

Join with fellow professionals from around the world to share knowledge and ideas on research, development, and applications in information technology and education. AACE’s membership includes researchers, developers, and practitioners in schools, colleges, and universities; administrators, policy decision-makers, professional trainers, adult educators, and other specialists in education, industry, and government with an interest in advancing knowledge and learning with information technology in education.

Membership Benefit Highlights

- Gain professional recognition by participating in AACE sponsored international conferences
- Enhance your knowledge and professional skills through interaction with colleagues from around the world
- Learn from colleagues’ research and studies by receiving AACE’s well-respected journals and books
- Receive a subscription to the professional periodical Journal of Online Learning Research (JOLR) [digital]
- Access LearnTechLib-The Learning and technology Library, a valuable online resource that is fully searchable and covers 30+ years of academic journals and international conference proceedings.
- Receive discounts on multiple journal subscriptions, conference registration fees, and Subscriptions.
- AACE Social Media enables you to connect with colleagues worldwide!

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<td>LearnTechLib – The Learning and Technology Library – Digital</td>
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<td>ISSN# 1537-245</td>
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<td>ISSN# 0731-9258</td>
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IJEL serves as a forum to facilitate the international exchange of information on the current theory, research, development, and practice of E-Learning in education and training. This journal is designed for researchers, developers and practitioners in schools, colleges, and universities, administrators, policy decision-makers, professional trainers, adult educators, and other specialists in education, industry, and government.

The Journal of Educational Multimedia & Hypermedia is designed to provide a multidisciplinary forum to present and discuss research, development and applications of multimedia and hypermedia in education. The main goal of the Journal is to contribute to the advancement of the theory and practice of learning and teaching using these powerful and promising technological tools that allow the integration of images, sound, text, and data.

The Journal of Interactive Learning Research’s published papers relate to the underlying theory, design, implementation, effectiveness, and impact on education and training of the following interactive learning environments: authoring systems, CALL, assessment systems, CBT, computer-mediated communications, collaborative learning, distributed learning environments, performance support systems, multimedia systems, simulations and games, intelligent agents on the Internet, intelligent tutoring systems, micro-worlds, and virtual reality-based learning systems.

A forum for the exchange of knowledge about the use of information technology in teacher education. Journal content covers preservice and inservice teacher education, graduate programs in areas such as curriculum and instruction, educational administration, staff development, instructional technology, and educational computing.

JCMST is the only periodical devoted specifically to using information technology in the teaching of mathematics and science. The Journal offers an in-depth forum for the exchange of information in the fields of science, mathematics, and computer science.

The Journal of Online Learning Research is a peer-reviewed, international journal devoted to the theoretical, empirical, and pragmatic understanding of technologies and their impact on primary and secondary pedagogy and policy in primary and secondary (K-12) online and blended environments.

An electronic publication of the Society for Information Technology and Teacher Education (SITE), established as a multimedia, interactive electronic counterpart of the Journal of Technology and Teacher Education.
AACE Conferences

The exchange of ideas and experiences is essential to the advancement of the field and the professional growth of AACE members. AACE sponsors conferences each year where members learn about research, developments, and applications in their fields, have an opportunity to participate in papers, panels, poster demonstrations and workshops, and meet invited speakers.

E-Learn 2017
World Conference on E-Learning
October 17-20, 2017
Vancouver, BC
E-Learn is a respected, international conference enabling E-Learning researchers and practitioners in corporate, government, healthcare and higher education to exchange information on research, developments and applications.

SITE 2018
March 26-30, 2018
Washington, DC
This conference, held annually, offers opportunities to share ideas and expertise on all topics related to the use of information technology in teacher education and instruction about information technology for all disciplines in preservice, inservice, and graduate teacher education.

Global Learn 2018
Global Conference on Learning and Technology
April 17-18, 2018
University of Central Florida
This annual conference serves to further the advancement and innovation in learning and technology. As the educational world becomes increasingly global, new ways to explore, learn, and share knowledge are needed.

EdMedia 2018
June 25-29, 2018
Amsterdam, The Netherlands
This annual conference serves as a multidisciplinary forum for the discussion of the latest research, developments and applications of multimedia, hypermedia and telecommunications for all levels of education.
Membership Options

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  EdMedia – World Conference on EdMedia & Technology (Value $225)
  E-Learn – World Conference on E-Learning (Value $225)
  Global Learn – Global Conference on Learning & Technology (Value $165)

$395 (Value $765)

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- Professional & Student Memberships include a subscription to 1 AACE Journal (All journal subscriptions are digital. See list of journals below.)
- Additional journals can be added to your membership and digital subscriptions.
- Please choose from options below:

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- 3 Journals $235 prof / $95 student
- 4 Journals $290 prof / $120 student
- 5 Journals $345 prof / $155 student

Journal Title(s)
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- Journal of Educational Multimedia and Hypermedia (JEMH)
- Journal of Computers in Math and Science Teaching (JCMST)
- Journal of Interactive Learning Research (JILR)
- Journal of Technology and Teacher Education (JTATE)
- Journal of Online Learning Research (JOLR) Already FREE with membership
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EdMedia 2018
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AMSTERDAM
The Netherlands
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