SITE 2016
27th International Conference
Society for Information Technology and Teacher Education

March, 21-25, 2016
Savannah, Georgia

Editors
Gregory Chamblee
Lee Langub
The 2016 SITE conference in Savannah was a great success! The beautiful venue combined with outstanding presentations, from Keynotes to posters, made for a week that was personally and professionally rewarding for all who attended.

The 2016 SITE conference in Savannah attracted over 950 participants from almost 50 countries! The great diversity of expertise in content areas, technology areas, and locations ensures that we aren’t just “talking to ourselves,” but are truly disseminating new ideas and research to a broader audience. I am sure every SITE attendee was able to find a presentation or hallway discussion that challenged them to grow and consider new perspectives.

One of the big announcements at the 2016 SITE conference was the renaming of EdITLib–The Education and Information Technology Digital Library to the new LearnTechLib–The Learning and Technology Library. It is likely you already aware of this news if you are reading this preface, as LearnTechLib is where the SITE 2016 Conference Proceedings can be found. The library is a great resource and continues to add more content every year. Please encourage your universities to subscribe to give all the faculty at your institution full access to the resources found there.

In addition to planning ahead for next year’s conference, we encourage you to consider ways to stay connected to SITE between conferences. The most important thing to do is to join a SIG (site.aace.org/sigs/). In these Special Interest Groups, you will find people interested in a similar topic as you. SIGs are active in sponsoring a variety of activities such as sponsoring special issues of journals and webinar speakers. Joining a SIG and serving as a conference reviewer is an excellent way to begin giving back to SITE through service.

As your read these proceedings, please plan to submit a proposal to the SITE 2017 conference. We will be in Austin, Texas from March 5-9, 2017. Austin is another vibrant city to enjoy with your SITE friends after sessions end for the day! Thank you for your work represented in these proceedings and I look forward to seeing you in Austin!

David A. Slykhuis
President, Society for Information Technology and Teacher Education
James Madison University
Connecting IT in Education/E-Learning Professionals & Employers

• Manage your job search
• Access job postings specific to IT in Education & E-Learning
• Post an anonymous resume
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Employers/Recruiters

• Quickly post job openings
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No need to get lost on commercial Job boards. The AACE Career Center is tailored specifically for you.

Association for the Advancement of Computing in Education
Connecting IT in Education/E-Learning Professionals & Employers
Does your library subscribe?

LearnTechLib is the premier multimedia resource for peer-reviewed research in Educational Technologies and E-Learning.

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Libraries $2095/year

Academic Journals including:
- International Journal on E-Learning
- Journal of Computers in Mathematics and Science Teaching
- Journal of Educational Multimedia and Hypermedia
- Journal of Interactive Learning Research
- Journal of Online Learning Research
- Journal of Technology and Teacher Education
- 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
- E-Learn – World Conference on E-Learning
- 800 More Conferences!

Newest content additions:

E-Books:
- Practitioner’s Guide to Technology, Pedagogy, and Content Knowledge (TPACK): Rich Media Cases of Teacher Knowledge

Journals:
- International Journal of Research Studies in Educational Technology

Reports:

... and many more titles!

Global U, PO Box 958, Waynesville, NC 28786 • Email: info@aace.org • aace.org
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!

AACE Blog: blog.aace.org
AACE Facebook: facebook.com/aaceorg
AACE Twitter: twitter.com/aace
<table>
<thead>
<tr>
<th>Journal of Educational Multimedia &amp; Hypermedia (JEMH)</th>
<th>ISSN# 1055-8896</th>
<th>Quarterly</th>
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<td>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.</td>
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<tr>
<th>Journal of Technology and Teacher Education (JTATE)</th>
<th>ISSN# 1059-7069</th>
<th>Quarterly</th>
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<td>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.</td>
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<tr>
<th>Journal of Interactive Learning Research (JILR)</th>
<th>ISSN# 1093-023X</th>
<th>Quarterly</th>
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<td>The Journal’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.</td>
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<tr>
<th>Journal of Computers in Mathematics &amp; Science Teaching (JCMST)</th>
<th>ISSN# 0731-9258</th>
<th>Quarterly</th>
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<td>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.</td>
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<tr>
<th>Journal of Online Learning Research (JOLR)</th>
<th>ISSN# 2374-1473</th>
<th>Quarterly</th>
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<td>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.</td>
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<th>CITE – Electronic Journal (CITE)</th>
<th>ISSN# 1528-5804</th>
<th>Quarterly</th>
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<td>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.</td>
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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.

**SITE 2016**

**March 21-25, 2016**
**Savannah, Georgia**

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 2016**

**April 28 & 29, 2016**
**Limerick, Ireland**

Global Learn is an international conference with the mission of furthering 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.

**E-Learn 2016**

**November 14-16, 2016**
**Washington, D.C.**

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.

**EdMedia 2016**

**June 28-30, 2016**
**Vancouver, British Columbia**

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 Application

You can also apply online at membership.aace.org

Membership Options

- **Professional Membership**
  - Subscription to 1 AACE Journal (Digital, See journal list below)
  - Full online access to multiyear back issues of that journal
  - Discount conference registrations and proceedings
  - Discount subscriptions to additional journals
  - Access to the AACE Job Board
  - All the benefits of AACE Membership

  $125

- **Professional Membership PLUS LearnTechLib – The Learning and Technology Library**
  - All the same benefits of a Professional Membership
  - PLUS 1-year subscription to the LearnTechLib with 100,000+ peer-reviewed journal articles, conference papers and presentations, videos, webinars and much more.

  $175

- **Virtual Membership**
  - Registration as a virtual participant for the following events:
    - EdMedia – World conference on EdMedia & Technology (Value $225)
    - E-Learn – World conference on E-Learning (Value $225)
  - Conference proceedings for AACE events, accessible in LearnTechLib – Education and Information Technology Digital Library

  New Option!

- **Student Membership**
  - All the same benefits of a Professional Membership
  - Offered at a discount for students
  - MUST be enrolled as a full-time student in an accredited educational institution and provide school information below

  $45

- **Student Membership PLUS LearnTechLib – The Learning and Technology Library**
  - All the same benefits of a Professional Membership
  - PLUS 1-year subscription to the LearnTechLib
  - Offered at a discount for students
  - MUST be enrolled as a full-time student in an accredited educational institution and provide school information below

  $75

- **Virtual Membership**
  - Full access to LearnTechLib - The Leading Digital Library Dedicated to Education & Information Technology (Value $150)
  - AACE Face-to-Face Conference Registration discounts

  $395 (Value $600)

- **Select Your Membership Journals**
  - Number of Journals
    - 1 Journal $125 prof / $45 student
    - 2 Journals $180 prof / $70 student
    - 3 Journals $235 prof / $95 student
    - 4 Journals $290 prof / $120 student
    - 5 Journals $345 prof / $155 student
  - Journal Title(s)
    - International Journal on E-Learning (IJEL)
    - 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

Applicant Information

Membership extends for 1 year from the approximate date of application.

Name: ___________________________ E-mail: ___________________________
Address: ___________________________ City: ___________________________ State: ________
Postal Code: ________ Country: ___________________________ New Member Renewal Membership #: ________
If applying as a student please provide School/Institution Name: ___________________________ Expected Graduation Date: ________

Method of Payment (USD)

Enclosed: □ Check (U.S. funds & bank, payable to AACE)
□ Purchase Order (Must include $10 service charge) □ Bank Wire (Must include $25 service charge)
Credit Card: □ MasterCard □ VISA □ AMEX □ Discover
Card #: ___________________________ Card Exp. Date ___/___ Signature: ___________________________

Rate _____ x No. of Years _____ = ________
Total $ ________

Return to: AACE P.O. Box 719, Waynesville, NC 28786 USA • E-mail: info@aace.org • www.aace.org
Venue: The Savoy Hotel, Limerick City
FINAL CALL FOR PARTICIPATION

EdMedia 2016

World Conference On Educational Media & Technology

June 28-30, 2016

Vancouver, British Columbia, Canada

Sheraton Vancouver Wall Centre Hotel

Final Call for Presentations: April 22, 2016

Early registration: May 25, 2016

aace.org/conf/edmedia
CALL FOR PARTICIPATION
21st ANNUAL

E-Learn 2016
World Conference on E-Learning
November 14-16, 2016
The Westin Alexandria
Washington, D.C.

Call for Presentations:
June 15, 2016

Early registration:
October 12, 2016

aace.org/conf/elearn
CALL FOR PARTICIPATION • OCTOBER 21, 2016

SITE 2017
28TH INTERNATIONAL CONFERENCE
SOCIETY FOR INFORMATION TECHNOLOGY AND TEACHER EDUCATION

Austin, Texas
March 5-9, 2017
Sheraton Austin Hotel at the Capitol

- Keynote Speakers
- Invited Panels/Speakers
- Full Papers & Brief Papers
- Panels • Best Practices
- Roundtables
- Posters/Demonstrations
- Corporate Showcases
- Workshops • Symposia

site.aace.org/conf