



# E-Learn 2010

World Conference on E-Learning in Corporate,  
Government, Healthcare, & Higher Education



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**Proceedings**

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## Preface

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Welcome to E-Learn 2010 in Orlando, Florida; World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education. If this is your first trip to Orlando, we hope you learn intensively during the day and get a chance to explore the city and surrounding area at night as well as on the weekend. There is much to see and experience. We also hope you join in engaging conversations about e-learning in all sectors of the field.

E-learning has mushroomed during the past decade. As evidence, there are dozens of papers at this conference which document what is happening across the education and training areas. Each presentation should help you report to your colleagues on the state of e-learning around the world. They will also hint at next steps in the evolution of this field. If you are presenting this week, we thank you for your participation. As you will see, the Association for the Advancement of Computing in Education (AACE) continues to reveal its dedication to a substantive and worldwide conversation, analysis, and discussion about e-Learning.

This conference provides a unique multi-disciplinary forum for Government, Healthcare, Education, and Business professionals to discuss and exchange the latest research, development, applications, issues, and strategies, to explore new technologies, and to identify solutions for today's challenges related to e-learning and distance learning.

E-Learn continues to grow and expand in the field of distance education and e-Learning as the Internet and the Web are altering the way that information and knowledge is constructed, managed and shared. All of which are having a deep impact on the way learning takes place and is delivered. This poses a number of challenges and tasks that enrich, widen, and deepen our discussion and analysis about teaching and learning with technologies.

We invite you to join us in this inspiring conversation. This discussion is about how e-Learning and distance education is changing our work and practices, but it is also about how this community of students, researchers, and practitioners can contribute through teaching, research, and experience to establish a more solid and robust basis and framework for distance learning. We are sure that E-Learn 2010 will be a splendid opportunity for this purpose by sharing the work and thoughts of hundreds of colleagues from all over the world through keynotes, invited talks, papers, panels, posters, and, of course, over a cup of tea, coffee, or an enjoyable lunch. Thus, E-Learn invites you to learn and contribute and also to establish an enriching conversation and discussion.

E-Learn 2010 will be a stimulating event. This year 693 papers were submitted and 414 were accepted. They are included in the conference proceedings available on the EdITLib Digital Library (<http://EdITLib.org>) and also in the printed book of proceedings (<http://aace.org/bookshelf.htm>). From the accepted papers representing authors from 48 countries, several papers were nominated as outstanding papers for this conference. These submissions received an additional round of reviews by the Steering Committee and four of these papers were selected as the Outstanding Papers. Congratulations to all of them!

We look forward to meeting you during the conference. If you have any questions about the schedule or events, just ask us or one of the AACE staff. There are always people on duty at the reception area to answer your questions. That is what makes AACE conferences so great—the people! We hope that you will make many new friends during the week and that some of these new friends become research team members, grant collaborators, or project partners. Of course, we expect to hear about the results of those new collaborations at the E-Learn Conference 2011 in Honolulu, Hawaii, October 17 – 21. But for now, spend your time enjoying E-Learn 2010 in this stimulating city.

Finally, as Co-Chairs, we would like to thank all the AACE staff and volunteers on the E-Learn Program Committee who have worked intensively preparing and delivering this excellent conference experience. Thanks again for contributing to and participating in the 2010 E-Learn Conference.

We look forward to seeing you again next year at E-Learn 2011 in Honolulu, Hawaii; Oct. 17-21. For more information, check out the AACE Website during the conference as well as this upcoming year: <http://www.aace.org/conf/elearn/>.

Good luck and have a great learning experience!

**E-Learn 2010 Program Chairs:** *Jaime Sánchez, University of Chile, CHILE*  
*Ke Zhang, Wayne State University, USA*