

# SITE 2024

**35<sup>th</sup> INTERNATIONAL  
CONFERENCE**

SOCIETY FOR INFORMATION TECHNOLOGY  
AND TEACHER EDUCATION



**March 25-29 • Planet Hollywood Las Vegas Resort & Casino**



Association for the Advancement of Computing in Education

**Editors**

Jake Cohen  
Gina Solano

Thank you

so much for supporting

SITE 

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If the review results are not clear, at least two members of the conference's Program Committee decide whether a paper can be accepted or not, and in which presentation category. A review of all papers receiving high review scores is undertaken by all the members of the Board to nominate outstanding papers.

**The acceptance rate for SITE conferences is 25-39%**

See AACE Review Policy: <http://www.aace.org/reviewpolicy.htm>

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# SITE 2024 PREFACE

It is with great pleasure that we present the proceedings of the Society for Information Technology and Teacher Education 2024 International Conference. SITE brought together a diverse group of educators, researchers, and practitioners from around the world, in Las Vegas, Nevada. SITE 2024 marked the 35th anniversary of the organization and we packed it with fun, engagement, education and celebration!

SITE 2024 welcomed presenters and attendees from 30 countries and 470 institutions and organizations. Our schedule was packed with more than 600 sessions, social events, and networking opportunities. These published proceedings represent the contributions of more than 800 international authors. The conference provided an excellent space for connecting with exciting ideas as well as the most dynamic and thoughtful thinkers and practitioners in our field.

As always, SITE featured a wide range of sessions, including a record number of workshops, research presentations, keynote talks, newcomer welcomes, posters, and invited panels on a variety of areas related to technology and teacher education. In addition, attendees had the opportunity to network with peers and engage in social events. We hope you will continue staying connected in the coming months through involvement with one or more Special Interest Groups – we have more than 30 active SIGs related to teacher education and information technology, which are free to join and keep our conversations about key content areas going after conference ends.

I would like to extend my sincere thanks to the Councils, SIGs, SITE executive committee and program chairs, past presidents, editors, and the entire AACE team for their support and contributions – each person helps to make each SITE conference a success and ensure that it is the highlight of our academic year!

Finally, thank you to all of the participants who attended the conference and shared their research, ideas, and expertise. It is through your contributions that SITE continues to be a leading forum for the exchange of knowledge and innovation in the field of technology and teacher education. We hope that the proceedings of the SITE 2023 conference will serve as a valuable resource for educators, researchers, and practitioners for years to come.

We look forward to seeing you at our online SITE Interactive event later this year, and at our regular conference next year in Orlando – mark your calendars for March 17-21, 2025!



**Jake Cohen**

President

Society for Information Technology and Teacher Education  
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A scenic view of the Orlando skyline across a body of water, with two swans swimming in the foreground. The text 'Orlando, FLORIDA' is overlaid in a large, stylized font.

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Cathrine Maiorca, Oklahoma State University; Megan Burton, Auburn University;  
Jessica Ivy, Purdue University Northwest; Thomas Roberts, Bowling Green State University

## **John C. Park National Technology Leadership Award**

Devon Kinsey and Jamie Mikeska, ETS

## **English Language Arts Teacher Educators (ELATE)**

Kristin Turner, Drew University; Troy Hicks, Central Michigan University;  
Andy Schoenborn, Clare Pioneer High School  
Sharon Munchie, Okemos High School, United States  
Amanda Cornwell, United States



# *Congratulations*

## TO OUR OUTSTANDING PAPER AWARD WINNERS

### **Why do I use Technology? Profiling Mathematics Teachers' Technology-Related Pedagogical Reasoning**

Bram Cabbeke, Ghent University, Belgium; Tijs Rotsaert, Ghent University, Belgium; Tammy Schellens, Ghent University, Belgium

### **Leveraging A Research-based Framework for Designing Pre-Service Teachers' Methods Course: Transforming TPACK for Teaching in the Digital Age**

Margaret Niess, Oregon State University, United States; Rafael Bueno, Farroupilha Federal Institute of Education, Science and Technology, Brazil

### **Shaping Educators in the Digital Age: Exploring the Discrepancy in Professional Identities from Initial Teacher Education to Classroom Realities**

Ottavia Trevisan, University of Padova, Italy

### **Outstanding Student Papers**

#### **Assessment of the Quality of Design of Human Created and AI-Based Learning Materials**

Clarissa Oteng Darko, University of Nevada, Reno, United States; Rishab Karki, University of Nevada, Reno, United States;  
Ephraim Teye, University of Nevada, Reno, United States; Leping Liu, University of Nevada, Reno, United States

#### **An Investigation of ELT Teachers' Online Self-efficacy: Does Teachers' Level of Agency Matter?**

Golnoush Haddadian, Georgia State University, United States; Nooshin Haddadian, Islamic Azad University, Islamic Republic Of Iran



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2022 Emerging Leader: Shernette Dunn

2021 Emerging Leader: Stephanie Smith Budhai

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