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Aliye Karabulut-Ilgu

EDUCATION

Aug 2007- May 2013	Iowa State University	Ames, IA

PhD/ Major in Curriculum and Instructional Technology
PhD/ Minor in Applied Linguistics and Technology
- Dissertation Title: Factors Impacting University-Level Language Instructors' Technology Use and Integration

Aug 2005 – July 2007	Iowa State University	Ames, IA

MA/ Teaching English as a Second Language

- Area of Specialization: Language Testing
- Thesis Title: Micro-level Impacts of Foreign Language Examination in Turkey: A Washback Study

Sep 1998 – July 2003	Bogazici University	Istanbul, Turkey

BA/ Foreign Language Education Department

INSTRUCTIONAL DESIGN EXPERIENCE

Jan 2014- Present	Iowa State University	Ames, IA

Post-Doctoral Research Associate (Civil, Construction & Environmental Engineering)
- Develop multimedia materials for hybrid and online courses in Civil and Construction Engineering courses using interactive software applications
- Develop active learning and problem-based exercises for face-to-face component of hybrid construction engineering courses
- Design and implement mixed-method research to investigate the impact of hybrid course model on student learning
- Provide pedagogical and technical guidance to faculty members in hybrid course development
- Supervise graduate and undergraduate assistants in course design and development

May 2013- Dec 2013	Iowa State University	Ames, IA

Post-Doctoral Research Associate (Engineering-LAS Online)
- Led and managed the creation or updating of online courses and/or learning modules in Blackboard and Moodle
- Supervised the workflow of instructional projects to ensure their compliance with quality standards as well as their timely completion for delivery
- Assisted the communications between the ELO development team, the ELO support team and faculty to ensure smooth course delivery and incorporation of feedback for course improvement
- Collaborated with stakeholders campus-wide on developing training materials for faculty and staff
- Assisted in creating and implementing faculty development program(s) for online teaching
- Provided technical and pedagogical guidance to faculty on the process of transformation of traditional face-to-face courses into online equivalents

Jan 2013- May 2013	Iowa State University	Ames, IA

Pre-Doctoral Associate (Engineering-LAS Online)
- Assisted in creating and implementing faculty development program(s) for online teaching
- Provided technical advice and pedagogical guidance to faculty on appropriate approaches to online courses and on the process of transformation of traditional face-to-face courses into online equivalents;

- Led and managed the creation or updating of online courses and/or learning modules in Blackboard, Moodle or other learning management systems;
- Supervised the workflow of instructional projects to ensure their compliance with quality standards as well as their timely completion for delivery

Jun 2010- Dec 2012   Iowa State University   Ames, IA
Instructional Design Assistant (Engineering-LAS Online)
- Assisted faculty members in online course design
- Provided pedagogical and technical guidance
- Developed course structure, organization and course materials
- Created content using different tools
- Evaluated courses to identify areas of improvement
- Provided guidance to graduate and undergraduate assistants in course design and development

TEACHING EXPERIENCE

Aug 2014- Present   Iowa State University   Ames, IA
Lecturer (School of Education)
- Teach CI 501 (Foundations of Digital Learning)
  - Redesigned the curriculum, activities, and assessments for a hybrid format
- Teach CI 615B (Graduate Seminar in Instructional Technology)
  - Redesigned the curriculum and assessments
  - Identified and recruited scholars to present

Aug 2007- Aug 2010   Iowa State University   Ames, IA
Teaching Assistant (Curriculum and Instructional Technology)
- Taught lab sections of CI 202- Digital Learning in 7-12 Classrooms
- Actively involved in the curriculum development
- Designed and developed project-based activities

Jan 2010- May 2010   Iowa State University   Ames, IA
Teaching Assistant (Curriculum and Instructional Technology)
- Co-taught CI 302-Principles and Practices of Digital Learning
- Actively involved in curriculum development
- Designed and developed project-based activities
- Integrated social media tools into teaching

Aug 2009-Dec 2009   Iowa State University   Ames, IA
Teaching Assistant (Intensive English Orientation Program)
- Taught beginner level writing to international students

June 2009-July 2009   Iowa State University   Ames, IA
Instructor (Upward Bound)
- Taught Turkish and Computer Applications to high school students

Aug-2006- May 2007   Iowa State University   Ames, IA
Teaching Assistant (Department of English)
- Taught English as a Second Language writing to undergraduate and graduate international students

Sep 2003 – Jul 2005   Kasimpasa Cok Programli Lisesi   Istanbul, Turkey
High School Teacher
- Taught English as a Foreign Language classes (all skills, all levels)

RESEARCH EXPERIENCE

Post-doctoral Research
- Evaluation of Hybrid Instruction
  - Designed a mixed-method study to evaluate hybrid instruction in a construction engineering context; collected; and analyzed the data
  - Presented the results at regional and national conferences
  - Submitted a manuscript to share the results with a larger teaching community

Doctoral Research
- Factors Impacting University-level Language Teachers' Technology Use and Integration
  - Designed a qualitative case study to investigate the factors impacting university-level language teachers' technology use and integration; collected; and analyzed the data
  - Presented the results at national and international conferences
- Technology for French learning
  - Designed a qualitative case study to investigate the factors impacting university-level language teachers' technology use and integration; collected; and analyzed the data
  - Presented the results at an international conference and published the results in a peer-reviewed journal.
- Dissemination of Online Problem-solving Learning Portal and Diagnostic Pathfinder to Increase Students' Problem-Solving Skills
  - Collected and analyzed data to understand problem solving behaviors of engineering students
  - Presented the results at national and international conferences

PUBLICATIONS

Journal Articles

Karabulut, A. Levelle, K. Li, Jinrong & Suvarov, R. (2012). Technology for French learning: a mismatch between expectations and reality. *The CALICO Journal*, 29(2), 341-366.

Karabulut Ilgu A. & Jahren, C. (Under Review). Evaluation of hybrid instruction in a construction engineering context: A mixed-method approach. *Advances in Engineering Education*.

Karabulut-Ilgu, A., Bilki, Z., & Ozkose-Biyik, C. (Under Review). Review of language teaching in blended contexts. *The FLTMAG.*

Manuscripts in Preparation

Karabulut, A. & Schmidt-Crawford, D. (Manuscript in preparation). Factors impacting university-level world language teachers' technology use and integration.

Book Chapter

Karabulut, A., Braet, D., Lindstrom, D. & Niederhauser, D. (2009). Student Level of Commitment and Engagement with Ning as a Learning Management System. In C. Maddux (Ed.) *Research Highlights in Information Technology and Teacher Education 2009* (pp. 125- 133). Chesapeake, VA: Society for Information Technology and Teacher Education (SITE).

Chapters in Conference Proceedings (Refereed Proposals)

Karabulut Ilgu, A. & Jahren, C. (2014, October). Evaluation of Hybrid Instruction in a Construction Engineering Context. *Proceedings of 2014 ASEE North Midwest Section Conference*, Iowa City, IA.

Mallen, J., Jahren, C., Koehler, N., & Karabulut Ilgu, A. (2014, June). Workflow for Developing Online Content for Hybrid Classes. *Proceedings of ASEE's 121st Annual Conference and Exposition*, Indianapolis, IN.

Karabulut, A., Chatterjee, R., Karakaya, K., Jin, Y,. & Roberts, J. (2013, March). Designing quality online learning environments: Experiences of an online course development team. *Society for Information Technology & Teacher Education International Conference* Vol. 2013, No. 1 (Mar 25, 2013) pp. 615–620 .New Orleans, LA.

Karabulut, A. (2013, March). An ecological perspective on university-level language teachers' technology use and integration. *Society for Information Technology & Teacher Education International Conference* Vol. 2013, No. 1 (Mar 25, 2013) pp. 3197–3204. New Orleans, LA.

Karabulut, A., Roberts, J., & Arpaci, P. (2012, November). Student perspectives on an online anthropology course. In M. Simonson (Ed.), *35th Annual Proceedings of Selected Papers on the Practice of Educational Communications and Technology* Louisville, KY.

Karabulut, A. (2010, Oct). A Curriculum Analysis of Online Master of Education in Curriculum and Instructional Technology. In M. Simonson (Ed.), *33rd Annual Proceedings of Selected Papers on the Practice of Educational Communications and Technology* (pp. 10-14). Anaheim, CA.

Karabulut, A., Braet, D., Lindstrom, D. & Niederhauser, D. (2009). Student Level of Commitment and Engagement with Ning as a Learning Management System. In I. Gibson et al. (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2009* (pp. 2564-2569). Chesapeake, VA: AACE.

Karabulut, A. Lindstrom, D. Braet,D. Niederhasuer, D. (2009, March). Student Level of Commitment and Engagement with Ning as a Learning Management System. Paper presented at *the Society for Information Technology and Teacher Education (SITE) International*. Charleston, South Carolina.

Karabulut, A. (2008). A Social Learning Theory Perspective On Technology Mentoring Program Experiences. In K. McFerrin et al. (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2008* (pp. 1446-1451). Chesapeake, VA: AACE.

Karabulut, A. & Correia, A. (2008). Skype, Elluminate, Adobe Connect, Ivisit: A comparison of Web-Based Video Conferencing Systems for Learning and Teaching. In K. McFerrin et al. (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2008* (pp. 481-484). Chesapeake, VA: AACE.

CONFERENCE PRESENTATIONS

International and National Conference Presentations

Karabulut Ilgu, A. & Jahren, C. (2015, June). Faculty perspectives on benefits and challenges of hybrid learning. Abstract accepted to ASEE's *122nd Annual Conference and Exposition*, Seattle, WA.

Sharma, A. Cormicle, Turkan, Y., Karabulut Ilgu, A. & Jahren, C. (2015, June). Scaffolded practice to encourage autonomous learning of advance scheduling and visualization techniques. Proposal submitted to ASEE's *122nd Annual Conference and Exposition*, Seattle, WA.

Karabulut Ilgu, A. & Jahren, C. (2015, Oct). Implementation of hybrid course design model in a construction engineering course. Paper to be presented at the *20th Annual Online Learning Consortium International Conference on Online Learning*, Orlando, FL.

Karabulut A., Karakaya, K. & Juvale, D. (2014, May). Design and Development of an Online K-8 World Language Teaching Methods Course. *Computer Assisted Language Instruction Consortium, 31st Annual Conference*, Athens, OH.

Karabulut, A., Chatterjee, R., Karakaya, K., Jin, Y,. & Roberts, J. (2013, March). Designing quality online learning environments: Experiences of an online course development team. Paper presented at the 2013 *Society for Information Technology and Teacher Education Annual Conference*, New Orleans, LA.

Karabulut, A. (2013, March). An ecological perspective on university-level language teachers' technology use and integration. Paper presented at the 2013 *Society for Information Technology and Teacher Education Annual Conference*, New Orleans, LA.

Karabulut, A. (2013, May). Factors impacting university-level language teachers' technology use and integration. Paper presented at the *Computer Assisted Language Instruction Consortium, 30th Annual Conference*, Manoa, HI

Karakaya, K., Sonsaat, S. & Karabulut, A. (2013, May) A Comparison of text-based and oral synchronous computer mediated communication through a collaborative output task. Paper to be presented at the *Computer Assisted Language Instruction Consortium, 30th Annual Conference*, Manoa, HI.

Karabulut, A. (2010, October). A Curriculum Analysis of Online Master of Education in Curriculum and Instructional Technology. Paper presented at the meeting of the *Association for Educational Communications and Technology* (AECT), Anaheim, California.

Karabulut, A. (2010, April). Students' Technology Use in Learning French: A Comparative Case Study. Paper to be presented at the meeting of the *American Educational Research Association (AERA)*, Denver, Colorado.

Chapelle, C., Suvorov, R., Li, J., Jun, G., Karabulut, A., Dzekoe, R. & LeVelle, K. (2009, September). Technology and Speaking: What Do the Students Say? Paper presented at the *Seventh Annual Conference on Technology for Second Language Learning*, Ames, IA.

Karabulut, A. & Douglas, D. (2009, April). Impact of Foreign Language Exam in Turkey: A Washback Study. Paper presented at the *American Educational Research Association (AERA) 2009 Annual Meeting*, San Diego, CA.

Niederhauser, D. S., Toy, S., Ogilvie, C., Karabulut, A., & Jackman, J. (2009, April). Scaffolding problem formulation in an online problem-based learning environment. Paper presented at the meeting of the *American Educational Research Association (AERA)*, San Diego, CA.

Karabulut, A. Lindstrom,D. Braet,D. Niederhasuer, D. (2009, March). Student Level of Commitment and Engagement with Ning as a Learning Management System. Paper presented at *the Society for Information Technology and Teacher Education (SITE) International*. Charleston, South Carolina.

Levelle, K., Li, J. Karabulut, A., Suvorov, R. (2009, March). Technology for French Learning: A Mismatch Between Expectations and Reality. Paper presented at the meeting of *The Computer Assisted Language Instruction Consortium (CALICO)*, Phoenix, Arizona.

Toy, S., Niederhauser, D. S., Jackman, J., Ogilvie, C., Ryan, S., & Karabulut, A. (2008, July). Effects of Scaffolding Problem Formulation Phase During Multifaceted Physics Problem-Solving. Poster presented at the annual meeting of the *Cognitive Science Society*, Washington, DC.

Karabulut, A. (2008). A Social Learning Theory Perspective on Technology Mentoring Program Experiences. *Proceedings of the Society for Information Technology and Teacher Education International*. Las Vegas, Nevada.

Karabulut, A. & Correia, A. (2008). Skype, Elluminate, Adobe Connect, and iVisit: A Comparison of Web-Based Video Conferencing Systems for Learning and Teaching. *Proceedings of the Society for Information Technology and Teacher Education International*. Las Vegas, Nevada.

Regional Conference Presentations

Karabulut Ilgu, A. & Jahren, C. (2014, October). Evaluation of Hybrid Instruction in a Construction Engineering Context. Paper presented at the *2014 ASEE North Midwest Section Conference*, Iowa City, IA.

Karabulut. (2012, December). Learning from the Best of the Best: Transforming World Language Teacher Preparation. Poster presented at the *8th Annual School of Education Research Symposium*, Iowa State University, Ames, IA.

Rosenbusch, M., Karabulut, A. & Abrams, A. (2012, October). Transforming teacher preparation. Paper presented at *Iowa World Language Association Annual Conference 2012*. Des Moines, IA.

Karabulut, A., Roberts, J., Rodriguez, J., & Rosenbusch, M. (2012, April). Interacting with professionals in an online learning environment. Paper presented at *IACON 2012: Education & Technology: Innovation in the Fast Lane*. Iowa Distance Learning Association, Altoona, IA.

Karabulut, A. & Roberts, J. (2011, December). The Design and Development of an Online Anthropology Course. Poster presented *Iowa Educational Research and Evaluation Association* (IEREA), Ames, Iowa.

Roberts, J., & Karabulut, A. (2011, December). Three interaction types: Implementation in an online History of Children's Literature course. Poster presented at the *Iowa Educational Research and Evaluation Association*, Ames, IA.

Karabulut, A. & Douglas, D. (2008, September). Micro-level Impacts of Foreign Language Exam in Turkey: A Washback Study. Paper presented at the *Midwest Association of Language Testers* (MwALT), Iowa City, IA.

Invited Presentations

Karabulut Ilgu, A. & Jahren, C. (April, 2014). Implementation of Hybrid Course Design Model in a Construction Engineering Course: The Full Picture, *Blended Learning Roundtable,* Center for Excellence in Learning and Teaching, Iowa State University

Karabulut, A. (April 2013). Factors Impacting University-Level Language Teachers' Technology Use and Integration, *Graduate Seminar in Instructional Technology Seminar*, School of Education, Iowa State University.

Karabulut A. & Rosenbusch M. (April 2013). Methods in Elementary School World Language Instruction Online: A Collaborative Design, *Graduate Seminar in Instructional Technology Seminar*, School of Education, Iowa State University.

GRANTS

June 2014-June 2015
Improving the Online Construction Management Certificate Program, *funded by Engineering-LAS Online*
Role: Project Manager
Amount: $30,000

October 2014-June 2015
Diffusion and Dissemination of Hybrid Learning, *funded by ISU Online Learning Innovation Hub*
Role: Project Manager
Amount: $8,021

October 2014-June 2015
Cross-cutting Multimedia Modules for Construction Materials and Methods, *proposal to be submitted to ISU Online Learning Innovation Hub*
Role: Project Manager
Amount: $30,000

LEADERSHIP ACTIVITIES

Oct 2014   Abstract Reviewer   American Society for Engineering Education
- Reviewed abstracts for Educational Research Methods division of ASEE
- Provided constructive feedback to researchers to improve their research design

Fall 2010- Present   Instructional Design Consultant   Iowa State University
- Provide pedagogical and technical consultancy to faculty members in migrating their face-to-face courses to online format
- Provide guidance to new graduate assistants in designing and developing online courses

May 2012	Exemplary Course Reviewer	Blackboard Learn

- Reviewed courses submitted for Blackboard Exemplary Course Award

Spring 2010-Present	Curriculum Design	Iowa State University

- Redesigned the curriculum of the graduate course Foundations of Digital Learning
- Redesigned the curriculum of the graduate seminar in Instructional Technology
- Redesigned the curriculum of a 300 level Digital Technology course.

Aug 2007-Dec 2007	Technology Mentor	Iowa State University

- Mentored a faculty member in technology integration into his courses.

Aug 2006- Dec 2007	Essay Rater	Iowa State University

- Rated English as a Second Language students' essays for English Placement Exam

PROFESSIONAL ORGANIZATION MEMBERSHIPS

- American Society for Engineering Education (ASEE)
- Computer Assisted Language Instruction Consortium (CALICO)
- American Educational Research Association (AERA)
- Association for Educational Communications and Technology (AECT)
- Society for Information Technology and Teacher Education (SITE)
- Iowa Distance Learning Association (IDLA)
- Iowa World Language Association (IWLA)

REFERENCES

Dr. Charles Jahren
W.A. Klinger Teaching Professor in Civil Engineering
Civil, Construction and Environmental Engineering
Iowa State University
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515.294.3845

Dr. Julio Rodriguez
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Associate Director, National Foreign Language Resource Center
Director, Language Learning Center
University of Hawaii at Manoa
Julio.rodriguez@hawaii.edu
808.956-5133

Dr. Denise Schmidt-Crawford
Associate Professor
Director, Center for Technology in Learning and Teaching
School of Education
Iowa State University
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