

Doron Zinger, M.A., M.Ed.

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EDUCATION

Ph.D. in Education, Expected 2018, University of California Irvine, Irvine, CA

- Specializing in Learning Cognition Teaching and Development
- Research focus on teacher preparation and professional development in science, and learning through and with technology
- Dissertation title: Learning from a summer lab school: Implications for urban science teaching

M.A. in Education-Educational Administration, August 2012, California State University Dominguez Hills, Carson, CA

- Charter & Autonomous School Leadership Academy program
- Action research project: Improving math instructional capacity and student outcomes

M.Ed. in Education, October 2010, National University, Costa Mesa, CA

- Specializing in cross-cultural teaching
- Master's Thesis: The impact of summer bridge programs on student academic achievement

B.S., Biology, September 2002, University of California Irvine, Irvine, CA

- Conducted radiological research in the UCI nuclear reactor lab under Professor George Miller
- Conducted behavioral ecology research and managed aviary lab under Professor Nancy Burley

GRADUATE RESEARCH EXPERIENCE

Graduate Research Assistant, Sustaining Partnerships, Action, Resources, and Collaboration for Science (SPARCS)

University of California, Irvine, October 2017-Present

- A collaborative project with West Ed, the UC Irvine School of Education, and K-5 teachers in California (NSF funded, \$1.38 million). This is a follow-up study investigating the effectiveness of modest teacher supports after a PD sequence impact teacher instructional practice.
- Responsibilities include creating K-6 teacher learning materials and program design, and liaising with researchers.
- Research component includes qualitative and quantitative data analysis and managing research assistants.

**Graduate Research Assistant, *Advancing the Use of Digital Museum Assets in Schools.*
University of California, Irvine, October 2015-September 2017**

- A collaborative project with the Smithsonian Learning Lab, the UC Irvine School of Education and the UC Irvine History Project, funded by the Carnegie Corporation (\$580,000 grant). The study investigates two cohorts of grade social science teachers in the Pittsburgh area and their use of the Smithsonian Learning Lab (SLL) museum collection. The study examines how teacher used the SLL and what lesson they developed using digital artifacts. Barriers to teacher use of the SLL, and how to overcome those barriers and best support teachers is examined.
- Responsibilities include study design, data collection and analysis, grant reporting, and program evaluation.

**Graduate Research Assistant, *Equitable Science Curriculum for Integrating Arts in Public Education (ESCAPE).*
University of California, Irvine, August 2014-September 2015**

- The NSF (\$6.7 million grant) funded ESCAPE project implements an innovative visual and performing arts, and inquiry based approach to address scientific misconception in grades 3-5. A joint effort of the University of California, Irvine, the Orange County Department of Education, and the Segerstrom Center for the Performing Arts. The project serves 8 districts, 28 schools, and 120 teachers in Orange County.
- Responsibilities included coordinating curriculum design and revisions, classroom observations, interviews, and data collection.
- Carried out a qualitative data analysis of teacher enactment of inquiry discourse and teacher relationship with the summer professional development.
- Evaluation of professional development program

HONORS/AWARDS/GRANTS

University of California, Irvine, Associated Graduate Students Service Award nominee, 2016.

University of California, Irvine, School of Education Associate Doctoral Students in Education (ADSE) Service Award, 2016.

National Science Foundation Graduate Research Fellowship Honorable Mention. STEM Education, Improving STEM PD Through a School-Based Contextual Intervention, 2015.

PUBLICATIONS

Zinger, D., Krishnan, J., Warschauer, M. (Forthcoming). Bridging student digital divides by bridging teacher digital divides. In A. Normore, & A. Issa Lahera (Eds.) *Crossing the Bridges of the Digital Divide: A Walk with Global Leaders*. Charlotte, NC: Information Age Publishing

Zinger, D., Naranjo, A., Gilbertson, N., Amador, I*., Warschauer, M., (2017) A design-based research approach to improving professional development of the Smithsonian Learning Lab. *Contemporary Issues in Technology and Teacher Education*

Zinger, D., Tate, T., Warschauer, M., (2017). Learning and teaching with technology: Technological pedagogy and classroom practice. In J. Candinin, & J. Husu (Eds.) *The SAGE Handbook of Research on Teacher Education*. (pp. 577-593) London, UK: SAGE

Zinger, D., Normore, A. (2016). The STEM lab school: Providing support for teacher candidates in alternative certification programs. *Journal of Authentic Leadership in Education*, 5(2), 2-5.

Zinger, D. (2016). Developing instructional leadership and communication skills through online professional development: Focusing on rural and urban principals. In A. Normore, L. Long, & M. Javidi (Eds.) *Handbook of Research on Effective Communication, Leadership, and Conflict Resolution* (pp. 354-370). Hershey, PA: Information Science Reference. doi:10.4018/978-1-4666-9970-0.ch019

Issa Lahera, A., **Zinger, D.**, Mendoza, M., McMannus, H. (2015). Developing authentic non-traditional principals to lead underserved student populations: The case of charter and autonomous school leadership academy. *Journal of Authentic Leadership in Education*, 4(2), 4-9.

Under Review:

Zinger, D., Hamdan, K., Noremore, A., *The Lab School, a safe space for students and teachers to engage in meaningful learning opportunities.*

Kang, H., **Zinger, D.**, *Preparing Novices for Equitable Science Teaching with Students Historically Underserved in Secondary Science Classrooms*

Gilbertson, N., Harris, K., **Zinger, D.**, Warschauer, M., *Promoting historical thinking: Lessons from teachers' use of the Smithsonian Learning Lab*

Hughes, B., Kalinowski, R., Greenfader, C., **Zinger, D.**, Grove, D., Bailey, D., Ray, A. *Evaluating a large-scale teaching intervention employing arts-integrated instruction.*

In Preparation:

Zinger, D., Kang, H., *Restoring opportunities to learn in urban science classrooms with well-prepared beginners.*

Zinger, D., van Es, E. A., Hughes, B., *Improving a large-scale science professional development through a design based research approach.*

Zinger, D. Hatanaka, R*, Quach, S*, *Online museum resource metadata: Implications for museum and teacher educators.*

* Denotes undergraduate or post-graduate mentee

CONFERENCE PRESENTATIONS

Zinger, D. (2017, October). *Building community with teachers to promote learning through shared language*. In session: Community Based Scholarship: Activism On and Off the Field. Presented at the Digital Media and Learning Conference, University of California, Irvine.

Zinger, D., Kang, H., (2017, April). *Restoring opportunities to learn in urban science classrooms with well-prepared beginners*. Paper presented at the American Educational Research Association (AERA) annual meeting, San Antonio, TX.

Zinger, D., Naranjo, A., Gilbertson, N., Amador, I., Warschauer, M., (2017, April). *A design-based research approach to improving professional development of the Smithsonian Learning Lab*. Paper presented at the American Educational Research Association (AERA) annual meeting, San Antonio, TX.

Zinger, D., van Es, E. A., Hughes, B., (2017, April). *Improving a large-scale science professional development through a design based research approach* Paper presented at the American Educational Research Association (AERA) annual meeting, San Antonio, TX.

Kang, H., Zinger, D., (2017, April). *Promoting rigorous and responsive science teaching with well-prepared beginners*. Paper presented at the American Educational Research Association (AERA) annual meeting, San Antonio, TX.

Carr, C., Mendoza, M., Zinger, D., (2017, April). *Developing social justice oriented principals and assistant principals*. Paper presented at the American Educational Research Association (AERA) annual meeting, San Antonio, TX.

Gilbertson, N., Harris, K., Zinger, D., Warschauer, M., (2017, April). *Promoting historical thinking: Lessons from teachers' use of the Smithsonian Learning Lab*. Paper presented at the American Educational Research Association (AERA) annual meeting, San Antonio, TX.

Hughes, B., Kalinowski, R., Greenfader, C., Zinger, D., Grove, D., Bailey, D., Ray, A., (2017, April). *Evaluating a large-scale teaching intervention employing arts-integrated instruction*. Paper presented at the American Educational Research Association (AERA) annual meeting, San Antonio, TX.

Zinger, D., Hamdan, K., Normore, A., (2017, February) *Transition –To-Teaching Lab School (TTT): An innovative initiative for high needs urban schools*. Presented at the annual Southern California Professional Development Schools annual conference, CSU Channel Island.

Zinger, D., Gilbertson, N., Amador, I., Warschauer, M., (2016, October) *Bringing the museum to the classroom digitally: A professional development collaboration between museums, teachers, and researchers*. Presented at the Digital Media and Learning Conference, University of California, Irvine.

Zinger, D., (2016, October) *Relationships, relevance, rigor: Engaging urban students in science and math*. Presented at STEM in ED conference, California State University Dominguez Hills (CSUDH).

Zinger, D., (2016, April) *Improving professional development: Just listen*. Presented at the Associated Graduate Student (AGS) Symposium, University of California, Irvine.

Hughes R., Kalinowski B., Zinger D., Ray A., Grove D., Bailey D., (2016, April) *Improving science instruction through integrating the arts*. Paper presented at the National Association for Research in Science Teaching (NARST), annual meeting, Baltimore, MD.

Zinger, D., van Es, E. A., Hughes, B., (2016, April). *Professional development informing practice and practice informing professional development: An iterative improvement approach*. Paper presented at the American Educational Research Association (AERA) annual meeting, Washington, DC.

Zinger, D., (2015, October) *Developing student scientific inquiry through discourse*. Presented at STEM in ED conference, California State University Dominguez Hills (CSUDH).

Zinger, D., (2015, April) *Engaging elementary school students through the arts and inquiry to improve scientific learning*. Presented at the Associated Graduate Student (AGS) Symposium, University of California, Irvine.

Deconinck, A., Rutti, D., Zinger, D., (2014, July) *Equipping and getting materials for your science classroom*. Presented at STEM in ED conference, California State University Dominguez Hills (CSUDH).

Craig, E., Zinger, D., (2014, January) *Charter school issues*. Presented at the Statewide Collaboration Early & Middle Colleges & Dual Enrollment Programs Conference, Irvine, CA.

Zinger, D. (2013, July) *Getting and keeping the right people at your school*. Presented at the Education Moving Ideas Conference (EdMIC), California State University Dominguez Hills (CSUDH).

Zinger, D., (2011, February) *The challenges of new middle college administrators*. Middle College National Consortium winter conference, Newport Beach, CA.

PEER REVIEW

Ad Hoc Journal Reviewer:

- Journal of Research in Science Teaching (2016,2017)
- Mathematics Teacher Educator (2016)

Chapter Reviewer:

- Handbook of Research on Effective Communication, Leadership, and Conflict Resolution (2015)

Conference Proposal Reviewer:

- Annual American Educational Research Association meeting, Division K (2016)

TEACHING and ADMINISTRATIVE EXPERIENCE SUMMARY

Instructor, University of California, Irvine ***Irvine, CA***

- ED 50 Issues in K-12 Education (2017, Summer, Online)
Mean evaluation score 8.3 (out of 9)
- ED 50 Issues in K-12 Education (2016, Summer, Online)
Mean evaluation score 8.4 (out of 9)

Instructor, California State Dominguez Hills ***Carson, CA***

- TBE 518 Current Topics in Education Technology (2017, Summer, Online)
Mean evaluation score 4.3 (out of 5)
- TBE 518 Current Topics in Education Technology (2017, Spring, Online)
Mean evaluation score 4.8 (out of 5)
- TBE 518 Current Topics in Education Technology (2016, Summer, Online)
Mean evaluation score 4.4 (out of 5)

Director of Charter Schools, NOVA Academy ***Santa Ana, CA March 2011 – March 2014***

- Planning, implementation, and oversight of instructional program at 2 early college high schools.
- Planning, implementation, and oversight of budget and operations of schools.
- Oversight of state reporting including academic and fiscal areas.
- Site support for principals and staff academically and operationally.
- Interim/Acting Principal.
- District and community communication and liaising.
- Board training, reporting, presentations and liaising.

Science teacher/Lead teacher, NOVA Academy ***Santa Ana, CA Sept 2007 – February 2011***

- Taught: Biology, Honors Biology, Chemistry, Honors Chemistry, Earth Science, AP Environmental Science, Environmental science, Health, Study Skills, and Web Design.
- Oversaw the school's 9th grade student transition summer bridge program.

GUEST LECTURES and INVITED TALKS

Biola University

- Teacher credentialing program: *Student data application in the classroom* (2011, November)
- Teacher credentialing program: *Data driven instruction and analysis* (2011, October)

University of California, Irvine

- SE 194W Naturalistic field research: *Qualitative methods and action research* (2017, September)
Mean evaluation score: 8.0 (out of 9)
- ED 50 Issues in K-12 American education: All about *charter schools* (2016, November)
Mean evaluation score: 8.3 (out of 9)
- SE 194W Naturalistic field research: *Qualitative methods and action research* (2016, August)
Mean evaluation score: 7.8 (out of 9)
- SE 194W Naturalistic field research: *Qualitative methods and action research* (2016, July)
Mean evaluation score: 8.5 (out of 9)
- ED 50 Issues in K-12 American education: *Charter school issues and design* (2016, May)
Mean evaluation score: 8.3 (out of 9)
- ED 238B Graduate Qualitative Methods II: *Using qualitative software to code your data* (2016, March)
- Discovery science initiative: *Science inquiry learning and enactment* (2015, August)
- SE 194W Naturalistic field research: *Qualitative methods and action research* (2015, August)
Mean evaluation score: 7.9 (out of 9)
- SE 194W Naturalistic field research: *Qualitative methods and action research* (2015, July)
Mean evaluation score: 8.2 (out of 9)
- ED 50 Issues in K-12 American education: *Charter Schools* (2015, May)
- ED 10 Educational Research Design: *Participatory action research* (2015, March)
- PB 118D Human Sexuality: *Health education in the K-12 setting* (2013, August)
- Honors Research Seminar: *Team Building Exercises* (2012, January)

University of California, Los Angeles

- Teaching and Learning Lab: *Integrating Design Based Principles to Improve Professional Development of Inquiry Science in Elementary Grades* (2016, November)

PROFFESIONAL DEVELOPMENT PROGRAMS AND PRESENTATIONS

Presentations at UC Irvine School of Education:

- Qualitative data coding (undergraduate) 2017, October)
- The literature review (undergraduate) (2017, January)
- Developing Mentoring Practices for graduate students in the Diverse Educational Community and Doctoral Experience (DECADE) (2016, October)
- Using bibliographic software and article organization to manage references for literature reviews (2016, August).
- Planning and designing a first year poster (2016, May)
- Mentoring best practices for graduate students in the Diverse Educational Community and Doctoral Experience (DECADE) (2015, December)

- Using bibliographic software to manage and references and streamline manuscript writing (2015, August).

Selected teaching presentations to staff at NOVA Academies Santa Ana and Coachella:

- Instructional cycle and reflective teaching.
- Student data analysis and assessment.
- Formal and informal student assessment tools.
- Differentiating instruction in the high school classroom.
- Effective student centered learning.
- Student interventions and parent involvement.
- Effective use of technology in the classroom.
- Common Core State Standard implementation.
- Student centered and project based learning.
- Benchmark testing and analysis.

PROFESSIONAL SERVICE

- Diverse Educational Community and Doctoral Experience (DECADE) Co-Leader, (UC Irvine, School of Education, 2017-18)
- Communications director, Fostering Literacy and Learning with Text and Data Mining Symposium (UC Irvine, 2016)
- Graduate recruitment weekend student coordinator (UC Irvine, School of Education, 2016)
- DECADE mentoring coordinator (UC Irvine, School of Education, 2015-16, 2016-17)
- Webmaster Digital Learning Lab (UC Irvine ,2014-15, 2015-16)
- Webmaster Teacher Education Center for Research on Teacher Development and Professional Practice (UC Irvine, 2014-15, 2015-16)
- School of Education new student orientation volunteer (UC Irvine, 2014-15, 2015-16)
- Communications director, Text and Data Mining for Interactive Learning Symposium (UC Irvine, 2015)
- Santa Ana Unified School District BTSA Advisory council, charter school representative member (2013-14)
- WASC Committee member initial full term visit, Da Vinci Design Charter High School (2013)
- WASC Committee member 3-year term mid-term visit, PUC CALS Early College High School (2012)
- School site council teacher representative (2008-2010)

MENTORING

- Undergraduate Research Opportunity Program (UROP) mentoring and poster presentations (Presented at UC Irvine, May, 2017)
 - Castillo, L., *Learning from Teacher Practice to Improve Professional Development*

- Quach, S., Hatanaka, R., *Museum Generated Metadata: Implications for Instruction*
- Undergraduate research assistant mentor, 9 mentees (UC Irvine, School of Education 2017-18)
- Undergraduate research assistant mentor, 7 mentees (UC Irvine, School of Education 2016-17)
- Undergraduate research assistant mentor, 4 mentees (UC Irvine, School of Education 2015-16)
- UC-HSBCU mentor (UC Irvine, School of Education Summer, 2016)
- DECADE mentor (UC Irvine, School of Education, 2015, 2016)

CERTIFICATIONS

Tier Two (Clear) K-12 Administrative Credential

Current through 2019

Clear Single Subject Teaching credential 6-12 – Biology, Chemistry, Earth Science

Current through 2020

PROFESSIONAL DEVELOPMENT (Select)

The Power of the Story: Teaching STEM Courses with Case Studies	2017
The Case Against Multi-Tasking: What the Research Says	2017
Rubrics, Fairness, and Feedback (Center for Engaged Instruction, UC Irvine)	2017
Course Design Certification (Center for Engaged Instruction, UC Irvine)	2016
Graduate Mentoring Excellence Program Certification (UC Irvine)	2015
State budget and LCFF updates	2014
Common Core State Standards implementation	2013
CSUDH Power over words English instruction	2013
CSUDH STEM-in-Ed Conference	2013
The National Academies <i>Assessing 21st century skills</i>	2011
Project Oriented Guided Inquiry Learning (POGIL)	2009
Thinking maps (Certification)	2008

PROFESSIONAL AFFILIATIONS

American Educational Research Association
 California Coalition of Early and Middle Colleges
 National Association for Research in Science Teaching

FOREIGN LANGUAGES

Spanish: Read, write, and speak at an advanced level
 Hebrew: Speak at an advanced level, read and write at beginning levels
 Hungarian: Speak at an intermediate level

Portuguese: Speak at a beginning level
Italian: Speak at a beginning level