

Angela Elkordy, Ph.D. – Curriculum Vitae

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Research Interests

- ❖ Education design and evaluation of technology-based learning interventions
- ❖ Teacher learning, conceptual change, and practice (evidence-based practices and instructional technologies)
- ❖ learning sciences for high impact teaching, coaching, and learning design with digital tools and technologies
- ❖ advanced learning technologies, technology-enhanced learning, and digital technologies (personalization, cognitive tools, emerging technologies)
- ❖ identity, self-efficacy, and learning in marginalized or disadvantaged populations in STEM and higher education contexts

Education

- 2014** *Doctor of Philosophy (Ph.D.)*, Eastern Michigan University, Ypsilanti, MI
Areas of study: **Educational Leadership & Instructional Technologies** (Learning Sciences focus)
Dissertation: *Digital badges for STEM learning: A mixed-methods study*
- 1991** *Masters of Library Science (M.L.S.)*, University at Buffalo, Buffalo, New York
Major: Library & Information Sciences
- 1988** *Bachelor of Arts (B.A.)*, Buffalo State College, Buffalo, NY
Major: Art History

Certifications:

- Michigan School Administrators' Certification
- State of Michigan Permanent Professional Librarian Certificate
- ISTE Certification – anticipated 2021

Fellowships, Awards, and Honors

- **Faculty Award of Excellence: Excellence in Research, Scholarship and Inquiry.** National Louis University, Faculty Association. Awarded September 2021.
- **Fellow, Emerging Leaders Program**, National Louis University, September 2015 -2016.

- **Scholar of Excellence**, Eastern Michigan University, February 2015.
- **Stella and Rose Romanow Endowed Scholarship Fund for Excellence in Library Science**, May 2014
- **Skandalaris Business Plan Competition**, Winner. February 2014
- **HASTAC Scholar**, Humanities, Arts, Science, Technology Advanced Collaboratory (<http://www.hastac.org/blogs/angela-elkordy/2013/10/21/introduction-and-greetings-angela-elkordy>). 2014 academic year.
- **Doctoral Fellowship**, Eastern Michigan University, Leadership and Counseling Department, 2011-2014
- **Graduate Research Fair, Phi Delta Kappa Award (Teacher Education)**, March 2013
- **Graduate Research Fair, George Brower Award**, March 2012, March 2013
- **Finalist, Digital Media, and Learning Competition: Badges for Lifelong Learning**, March 2012
- **Outstanding Administrator Award**, Al-Ihsan Academy, 2010
- **Academic Fellowship**, Eastern Michigan University, 2008-2009, 2009-2010
- **Highest Distinguished Star Educator of the Year**, Hamadeh Educational Services, (H.E.S.) Academies, (2007), **Distinguished Star Educator of the Year**, H.E.S., 2004, 2005 & 2006
- **The Scout Report**, (A publication of the Internet Scout Report, Computer Sciences Dept., University of Wisconsin, Madison), Award (for the *Web Searching, Sleuthing and Sifting* Tutorial Series and web site), 1999.

Academic Appointments

2016 - 2019	Founding Chair, Learning Sciences Education , National College of Education, Educational Psychology, National Louis University, Chicago, IL
2015 - 2021	Director, Learning Technologies , National College of Education, National Louis University, Chicago, IL (online program)
2014 – <i>present</i>	Assistant Professor, Learning Sciences and Ed Leadership Studies , National College of Education, National Louis University, Chicago, IL
2011 - 2014	Doctoral Fellow , College of Education, Department of Leadership & Counseling, Eastern Michigan University, Ypsilanti, MI
2002 - 2004	Adjunct Instructor: Internet Professional Program , Washtenaw Community College, Ann Arbor, MI
1993 –1999	Assistant Professor, Coordinator of Electronic Resources , The Sage Colleges Libraries, Albany and Troy, NY

Academic Appointments (K-12)

- 2009 –2011 **School Principal, K-8**, Al-Ihsan (Excellence) Academy, Detroit, MI (K-8).
Educational leadership and administration.
- 2003 - 2009 **Director of Libraries and Instructional Resources**, Star International, Universal
& Universal Learning Academies, Dearborn Heights & Detroit, MI (PreK-12).
Educational leadership, teaching K-12, instructional coaching.
- 1999 – 2001 **Director and Teacher, Learning Technologies Lab**, (PreK-12)

Research projects

- 2019 – present **Principal investigator.** The changing face of teaching and learning: Adaptive
changes in the time of the COVID-19 pandemic. Educator preparation for
leveraging instructional technologies. The team includes Jack Denny, Ayn
Keneman, and Donna Wakefield. Funded.
- 2018- *present* **Principal investigator.** Actionable knowledge: teacher knowledge, expertise
building of learning sciences concepts and use of digital tools for instruction.
- 2018-2020 **Principal Investigator.** Educator preparation for instructional technologies:
National Louis University. Principal observations, expectations, and evidence
for robust digital technologies applications in the classroom. *Faculty Research
Residencies*. Co-PI's are Jack Denny and Ayn Keneman. Funded.
- 2017 - 2019 **Principal Investigator.** ISTE Technology Competencies for Teacher
Educators: A Model for Teacher Educator Technology Learning. *Engaged
Research and Innovation Seed Grant*. Co-PI is Arlene Borthwick. Funded.
- 2017 – 2018 **Principal Investigator.** Educator Preparation for Instructional Technologies:
National Louis University Teacher Candidate. *Faculty Research Residency*.
Co-PI's were Shani Beth-Halachmy, Jack Denny, Ayn Keneman, Nancy
Naughten, and Sandra Stringer. Funded.
- 2016-2018 **Principal Investigator.** Culturally relevant pedagogies for teaching computer
science and computational thinking concepts.
- 2016-2017 **Principal Investigator.** Exploration of Current Practices and Future Needs
Related to "Future Ready" Skills. *Faculty Research Residency*. Additional
P.I.'s were Shani Beth-Halachmy, Nancy Naughten, and Sandra Stringer.
Funded.
- 2016-2019 **Principal Investigator.** Makerspaces Model for Teacher Learning of
Engineering Practices. Collaborators are Ayn Keneman and Vito Dipinto.
Funded.
- 2014-2016 Master Science Teacher program: Understanding Teacher Learning

Trajectories. Noyce CoSec: National Science Foundation grant. Team member. Funded.

2013-2014 **Principal Investigator.** Digital badges for STEM Learning in Secondary Contexts.

Publications

Manuscripts in preparation:

- *MindShift: Assessing shifts in teacher conceptualizations of learning processes using digital, cognitive tools and visual representations*
- *Practice, bolded: Explorations in how translational sciences inform teachers' technology practices with findings from the learning sciences*
- *Developing educators' metacognition through semi-structured, online journaling practices: Retrieval and elaboration to extend pedagogical reasoning*
- *Developing educators' critical thinking and instructional design practices through design challenges using digital tools in online contexts*

Manuscripts in progress:

Elkordy, A. (in progress, 2021). Teaching teachers about leveraging the learning sciences with instructional technologies.

Elkordy, A. & Wakefield, D. (in progress, 2021). Engaged by choice: Leveraging the science of engaged participation for online learning

Published works:

Books:

Elkordy, A. & Keneman, A. (September 2019). *Design Ed: Connecting Learning Sciences Research to Practice*. Portland, OR. International Society for Technology in Education (ISTE).

Refereed journal articles and book chapters

Elkordy, A. & Iovinelli, J. (2021). Competencies, culture, and change: A model for digital transformation. In D. Ifenthaler (Ed.), *Digital transformation of learning organizations*. New York, NY: Springer International Publishing.

Elkordy, A. & Keneman, A. (2019). Equity by design: Envisioning a critical pedagogy of Making for educators. *Trace: A Journal of Writing, Media, and Ecology*.

- Elkordy, A. & Zumpano, N. (submitted, in preparation). Designed and engaged: Leveraging social media and personal learning networks to create learning organizations for digital age educators. In M. Deshaine, R. Francis & D. Whale (Eds.) *Effective Educational Social Media*, NCPEA/ICPEL Press.
- Elkordy, A., & Keneman, A. (2018). Leading forward by learning-sciences informed design: ISTE technology competencies and teacher educator learning. INTED Conference Proceedings, Valencia, Spain
- Elkordy, A. & Zumpano, N. M. (2018). Hive-minded: Educators, professional learning networks , and knowledge exchange in the digital age. In D. Ifenthaler (Ed.), *Digital workplace learning: Bridging formal and informal learning with digital technologies* (pp. 307-318). New York, NY: Springer International Publishing.
- Elkordy, A., Keneman, A. & Dipinto, V. (2017). Behind the curtain: Effective design of instructional experiences for K-12 learners using digital game-based learning. In Y. Baek (Ed.) *Game-based learning: Theories, strategies, and outcomes*. Hauppauge, NY: Nova Science Publishers.
- Elkordy, A. (2017). Plugged into learning with digital badges: Making learning fun and effective. In M. Haiken (Ed.) *Gaming literacy: Boosting comprehension, collaboration, and learning*. Portland, OR: International Society for Technology in Education (ISTE)
- Elkordy, A. (2016). Development and implementation of digital badges for learning science, technology, engineering, and math (STEM) practices in secondary contexts: A pedagogical approach with empirical evidence. In D. Ifenthaler (Ed.), *Foundations of digital badges and micro-credentials*. New York, NY: Springer International Publishing.
- *Elkordy, A. (2016). Digital badge for STEM learning in secondary contexts: A mixed-methods study. Digital Commons@EMU, Eastern Michigan University: <http://commons.emich.edu/cgi/viewcontent.cgi?article=2190&context=theses>
- Fontichiaro, K., & Elkordy, A. (2016). Digital badges: Purposeful design in professional learning outcomes for K-12 educators. In D. Ifenthaler, (Ed.), *Foundations of Digital Badges and Micro-Credentials* (pp. 287-305). New York, NY: Springer International Publishing.
- * Fontichiaro, K. & Elkordy, A. (2015). From stars to constellations: Digital badging can chart growth. ISTE: *Entrsckt*
- *Elkordy, A. (2014). "Tech Talk #1 Digital badges: Visible learning." *School Librarians' Workshop*, August/September 2014. <http://goo.gl/4pJNGL>
- Fontichiaro, K. & Elkordy, A. (2013). From stars to constellations: Digital badging can chart growth. ISTE: *Leading and Learning*, <http://goo.gl/ji9Oza>
- Fontichiaro, K. & Elkordy, A. (2013). Getting started with digital badges. *MACUL Journal*, 34:1, pp. 30-31:

http://www.macul.org/downloads/journals/macul_journal_fall_2013_20130730_122011_1.pdf

*Elkordy, A. (2012). The future is now: Unpacking digital badging and micro-credentialing for K-20 educators. *Talking Points: Blog of the National Council of Professors of Educational Administration (NCPEA)*: <http://goo.gl/dw8Fdl>. Cross-posted: <http://goo.gl/III0sv>.

Elkordy, A. (2012). Technology and digital media impact: Considerations for leadership preparation in K-20 education. *Talking Points: Blog of the National Council of Professors of Educational Administration (NCPEA)*: <http://goo.gl/eCCoA9>.

*Kovacs, D. K. and Elkordy, A. (2000). Collection development in cyberspace: building an electronic library collection. *Library Hi Tech*, 18:4, pp. 335-361.

Elkordy, A. (1998+). Web searching, sifting, and sleuthing, award-winning digital literacy tutorial series based on an online course taught 700+ students worldwide. Duplicated and distributed by the United Nations, Council on Biodiversity as part of an "Internet Toolkit" to all its member countries (hundreds): <http://goo.gl/XZyvoC>

Grants and Funded Projects

- *Adaptive changes and instructional technologies during COVID: Preparing pre-service teachers. Research Residency grant.* Co-Principal Investigator. 2019-2021. (Funded)
- *ISTE Technology Competencies for Teacher Educators: A Model for Teacher Educator Technology Learning at N.L.U., Empowering Connected Learners in a Connected World. Engaged Research and Innovation Seed Grant.* Co-Principal Investigator. 2017-2019 (Funded.)
- *Educator Preparation for Instructional Technologies: Teacher Candidates. Research Residency grant.* Co-Principal Investigator. 2017-2019. (Funded)
- *Team Prairie Coders, STEM-C, N.S.F. grant proposal, and research practitioner partnership for culturally response pedagogy and digital badges to teach elementary students coding and computational thinking. (2017) Principal Investigator. (Not funded)*
- *Exploration of Current Practices and Future Needs Related to "Future Ready" Skills. Research Residency grant.* Co-Principal Investigator. 2016 –2017. (Funded.)
- *Chicago Codes and Computes. N.S.F. grant proposal and application for culturally response pedagogy students coding and computational thinking. 2016. Principal Investigator. (Not funded).*
- *MakerSpaces Model for Teacher Learning of Engineering Practices. (work funded through Teacher Quality Program grant. In progress).* Principal Investigator. 2016 –2019 (Supported through Teacher Quality Program grant (T.Q.P.) funds.)
- *Master Teacher Fellow, Science Middle School Teachers. N.S.F. grant-funded project. Team member, 2015-2017.*

- **Eastern Michigan University, eFellows grant.** January 2013. Faculty Collaborator. Dr. T. Saunders. Curriculum development using digital badge performance assessments for graduate course work. (Funded \$1500)
- **Elementary and Secondary Counseling Grant (2009)**, Department of Education; Student support for at-risk, primarily E.S.L., high poverty population) (**Funded, \$600,000 over three years**). Lead Project Coordinator, Researcher, and Writer; Project Director (implementation).
- **MI Champions Grant Program (2009)** (MACUL, professional development in technology integration for teams of teachers) (**Funded, total \$18000**). Coordinator / Grant writer.
- **Foreign Language Assistance Grant (2007-2010)**. (Department of Education, Office of English Language Acquisition), (1st year \$340,000), (**Funded: 3-year award, \$1 million-plus total**) Team lead, project development, researcher, and coordinator.
- **MI Champions Grant Program (2008, 2009)** (MACUL, professional development in technology integration for teams of teachers) (**Funded total, \$18000**). Coordinator / Grant writer.
- **Knowledge Adventure** software solutions for improving literacy in E.L.L. and at-risk populations, (2008.) (**Funded: \$16 000**). Project Lead / Grant writer.
- **Reading is Fundamental** (reading materials for E.S.L., E.L.L., and high poverty population, 2007-) (**Funded, \$26, 700**). Project Lead / Grant writer.
- **Library Services and Technology Act, (2007)** (State of Michigan), Selected for an **award** (all funding was postponed). \$63 000, Star International Academy. Program/ grant developer and writer.
- **Toshiba America Foundation, (2006)** K-6 grant for *Math Mambo* Activities. (**Funded, \$1000**)
- **MACUL grant**, Michigan Association for Computer Users in Learning (2006), (Bilingual Talking Books) (**Awarded, \$1500**)
- **E.D.S. Technology grant**, Spring 2006 (*Using DAISY compliant software to create talking bilingual books – funded \$2000*)
- **Technology for Authentic Problem Solving (TAPS)** grant (MACUL), Spring 2006 (*Digitizing of Arabic Language Instructional Materials*) (**Awarded: \$2000**)
- **Toshiba America Foundation, (2005)** K-6 grant for *Science Jamboree* Activities. (**Funded, \$1000**)
- **Laura Bush Foundation, (2005)**. Literacy materials. (**Funded, \$5000**).
- **Toshiba America Foundation, (2004)** K-6 grant for annual *Science Jamboree* Activities. (**Funded, \$1000**)
- Samsung "**Hope for Education**" essay contest, (2004) (Subject: Educational technologies as the hope for all children and our future, equity lens) National 1st place winner (funded, \$20 000).

*Presentations (*invited)*

- Elkordy, A. (scheduled – 2022, April). *Actionable knowledge: Educators’ beliefs, practices and the science of learning*. [Conference session]. American Educational Research Association (AERA), AERA Conference, San Diego, CA
- Denny, J., Elkordy, A., Keneman, A. & Wakefield, D. (scheduled – 2022, April). *Teaching, learning and changing: Instructional practices in K-21 contexts in the post COVID era*. [Conference session]. American Educational Research Association (AERA), AERA Conference, San Diego, CA
- Elkordy, A., & Keneman, A. (scheduled - 2022, February). *Design ed: Connecting learning science research to practice*. [Conference session]. Learning and the Brain Conference, co-sponsored by the Stanford College of Education. San Francisco, CA.
- Elkordy, A., (scheduled - 2022, February) *Scaffolding deep thought: Thinking, the brain and digital learners*. [Conference session]. Illinois Digital Educators Alliance (IDEA) IDEAcon conference, Schaumburg, IL.
- Elkordy, A., (scheduled - 2022, February) *Planning for success: A systems approach to technology planning*. [Conference session]. Illinois Digital Educators Alliance (IDEA) IDEAcon conference, Schaumburg, IL.
- *Elkordy, A. (October, 2021). *EdCamp: Design for Learning, Cognition*. [Invited panelist, conference session]. Digital Promise.
- Elkordy, A., Denny, J., Keneman, A. & Wakefield, D. (October, 2021). *Teaching, digital learning, and changing: Adaptive challenges in teacher preparation in the COVID-19 pandemic*. [Conference session]. Society for Information Technology and Teacher Education, SITE Interactive Online.
- Elkordy, A., Denny, J., Keneman, A. & Wakefield, D. (October, 2021). *Adaptive changes and instructional technologies during COVID: Preparing pre-service teachers*. [Conference session]. Illinois Association of Teacher Educators (IATE), Normal, IL.
- Elkordy, A. (2021, June). *Translational practices for educators: Unpacking research on the science of learning*. [Conference session]. International Society for Technology in Education Live (ISTE Live), Online.
- Elkordy, A., Denny, J. Keneman, A. & Wakefield, D. (2021, June). *Teaching, Learning and Changing: Adaptive Changes in the COVID-19 Pandemic*. [Conference session]. International Society for Technology in Education Live (ISTE Live), Online.
- Elkordy, A. & Schnell, N. (2021, June). *Mindset arts: Amplifying the science of belonging*. [Conference session]. Virtual Summit on Belonging, Chicago, IL
- Elkordy, A., Denny, J. Keneman, A. & Wakefield, D. (2021, March). *Teaching, Learning and Changing: Adaptive Changes in the COVID-19 Pandemic*. [Conference session]. Michigan Association for Computer Users in Learning, (MACUL), Detroit, MI

- *Elkordy, A. & Keneman, A., (2021, March) *What Every Educator Needs to Know: Connecting Learning Science Research to Practice*. (Keynote). TeachFest, Chicago, IL.
- Elkordy, A. (2020, December). *How does knowledge of the science of learning impact teacher practice?* [Conference session]. International Society for Technology in Education Live (ISTE Live), Online.
- Elkordy, A. & Keneman, A. (2020, December). *Level up! 10 Essential learning science principles for instructional leaders?* [Conference session]. International Society for Technology in Education Live (ISTE Live), Online.
- *Elkordy, A. (2020, April). *Teaching as a design science: A scholarship journey*. National College of Education, National Louis University, Chicago, IL
- Elkordy, A., (2020, February) *Design Ed: Connecting Learning Science Research to Practice (Instructional Leaders Edition)*. [Conference session]. Illinois Digital Educators Alliance (formerly I.C.E.) IDEAcon conference, Schaumburg, IL.
- Elkordy, A., Dipinto, V. & Keneman, A., (2020, February). *Design playgrounds for learning: Leveraging failure*. [Conference session]. TeachCraft Online Conference, Chicago, IL
- Veselovsky, A. & Elkordy, A. (2020, February). *Attending to Culturally Relevant Instruction in Math*. [Conference session]. TeachCraft Online Conference, Chicago, IL
- Elkordy, A., (2019, October). *Actionable knowledge: Refining educators' practice with the science of learning*. [Conference session]. N.S.F. Cyberlearning Conference: Exploring Contradictions in Achieving Equitable Futures, Arlington, VA
- *Elkordy, A., (2019, July) *Digital badges and micro-credentials*, presentation to the National Advisory Group for Competency-based Learning with Rodel Consultants, for the State of Delaware.
- Elkordy, A., (2019, June). *Design Ed: Connecting learning science research to practice (Educators' Secret Sauce Edition)*. [Conference session]. International Society for Technology in Education (ISTE), Annual Meeting, Philadelphia, PA, (with Dr. Ayn Keneman).
- Elkordy, A., (2019, June). *Design Ed: Connecting learning science research to practice (Instructional Leaders Edition)*. [Conference session]. International Society for Technology in Education (ISTE), Annual Meeting, Philadelphia, PA, (with Dr. Ayn Keneman).
- Denny, J., Elkordy, A., & Keneman, A., (2019, June). *New teachers' and principals' experiences about integrating technology in schools*, Research Residency, presentation.
- Elkordy, A., (2019, March). *Spring professional development jam*. [Conference session]. Online conference (NLU. hosted), development, project management, and organization.
- Elkordy, A., (2019, March). *Design Ed.: 10 tools & strategies for creative thinkers*. [Conference session]. Michigan Association for Computer Users in Learning, (MACUL), Detroit, MI.
- Elkordy, A., (2019, February). *Design Ed.: Connecting learning science research to practice*. [Conference session]. Illinois Computing Educators (I.C.E.), Schaumburg, IL

- Veselovsky, A. & Elkordy, A., (2019, February). *Using technology to deliver culturally appropriate instruction*. National Louis University (N.L.U.), Chicago, IL
- * Elkordy, A., *Technology in the field*. (2018, December). National Louis University (N.L.U.), Supervisors' Bi-annual professional development.
- Elkordy, A., (2018, November). *Understanding teachers' conceptions of learning through concept mapping*. [Conference session]. International Visual Literacy Society, (IVLA), Chicago, IL. (with Dr. Ayn Keneman).
- Elkordy, A., (2018, June). *Learner: Lessons from the learning sciences for every teacher* (workshop). [Conference session]. International Society for Technology in Education, (ISTE), Chicago, IL (with Dr. Ayn Keneman).
- Elkordy, A., (2018, June). *Meaningful making: Teacher learning of design thinking in an online community*. [Conference session]. International Society for Technology in Education, (ISTE), Chicago, IL (with Dr. Ayn Keneman).
- Elkordy, A. & Keneman, A., *Leading as a learner: Lessons from the learning sciences for every teacher*. [Conference session]. National Louis University (N.L.U.), Faculty Research Symposium. Wheeling, IL, June 2018.
- Beth-Halachmy, S., Denny, J., Elkordy, A., Keneman, A., Naughten, N. & Stringer, S. *Experiences of student teachers in schools that integrate technology*. National Louis University (N.L.U.), Faculty Research Symposium. Wheeling, IL, June 2018.
- Elkordy, A. & Keneman, A., *Leading forward by learning-sciences informed design: ISTE technology competencies and teacher educator learning*. [Conference session]. International Technology, Education, and Development Conference (INTED), Valencia, Spain, March 2018.
- Elkordy, A., Keneman, A., Alland, T., Gutsell, M. & van Dyke, D., *IRL (In Real Life): Designing digital learning experiences* [Conference workshop]. Illinois Computing Educators (I.C.E.), Schaumburg, IL, February 2018.
- Elkordy, A., *Thinking like a maker: Low- or no-cost activities for inclusive making*. [Conference session]. Illinois Computing Educators (I.C.E.), Schaumburg, IL, February 2018.
- Elkordy, A., Elzy, J., Keneman, A & Zilla, K. (2018, February). *What and how do we learn through our teaching practices? Facilitating discussions: Co-construction, responsive conversation, engagement, and accessibility*. National Louis University (N.L.U.), Faculty Research Symposium. Wheeling, IL.
- Chesner, G., Elkordy, A. & Lems, K. (2018, February). *What and how do we learn through our teaching practices? Supporting teamwork: Learning in three program contexts*. National Louis University (N.L.U.), Faculty Research Symposium. Wheeling, IL.
- Wakefield, D., Keneman, A. & Elkordy, A. (2017, October). *Unlocking literacy through U.D.L. and ULEs: iPad apps for supporting universal design, literacy, and student engagement*. [Conference session]. Illinois Reading Conference, (I.R.C.), Peoria, IL.

- Elkordy, A. (2017, March). *Making it happen: Coding in the classroom*. [Conference session]. Michigan Association for Computer Users in Learning, (MACUL), Detroit, MI.
- Elkordy, A. (2017, February). *Pandora's Makerspace: Teaching design thinking and tinkering*. [Conference session]. Illinois Computing Educators (I.C.E.), Schaumburg, IL.
- Elkordy, A. (2017, February). *Examining our core teaching practices: Using formative assessment to inform instruction*. National Louis University (N.L.U.), Faculty Research Symposium. Wheeling, IL.
- Elkordy, A. (2017, February). *Examining our core teaching practices: Facilitating teamwork with technology*. National Louis University (N.L.U.), Faculty Research Symposium. Wheeling, IL.
- Elkordy, A. (2016, November). *Coding, and computational thinking for every kid (and teacher!)*. [Conference session]. 33rd Annual Michigan State University (M.S.U.), College of Education Technology Conference, (COETC), Center for Teaching and Technology, Lansing, MI.
- Elkordy, A. (2016, June). *Engaged: Teaching teachers engineering with design challenges in MakerSpaces*. [Conference session]. International Society for Technology in Education, (ISTE), Denver, CO (with Dr. Ayn Keneman).
- Elkordy, A. (2016, February). *Engagement by design: MakerSpaces & engineering in the classroom*. [Conference session]. Illinois Computing Educators (I.C.E.), St. Charles, IL, February 2016.
- Elkordy, A. (2015, June). *Learning by design with digital badges*. [Conference session]. International Society for Technology in Education, (ISTE), Philadelphia, PA.
- Elkordy, A. (2015, February). *iSpaces: Leverage learning with digital badges*. [Conference session]. Michigan Association for Computer Users in Learning, (MACUL), Detroit, MI.
- Elkordy, A. (2015, February). *Designed for success: Professional development and digital badges*. [Conference session]. Illinois Computing Educators (I.C.E.), St. Charles, IL.
- Elkordy, A. (2014, November). *Workshop: Digital badges for learning*. [Conference workshop]. 31st Annual Michigan State University (M.S.U.), College of Education Technology Conference, (COETC), Center for Teaching and Technology, Lansing, MI.
- Elkordy, A. (2014, April). *Research overview*. National Louis University (N.L.U.), Chicago, IL.
- Elkordy, A. (2014, March). *Digital badging in K-12 environments*. [Conference session]. Digital Media and Learning Conference, (D.M.L.), D.M.L. Café, Boston, MA.
- Elkordy, A. (2014, March). *Digital badges for STEM learning: A comparative analysis of participant outcomes*. [Conference session]. Michigan Association of Professors of Educational Administration (MAPEA), Virtual Symposium.

- Elkordy, A. (2014, March). *What do you know? Professional learning possibilities using digital badging*. [Conference session]. Michigan Association for Computer Users in Learning, (MACUL), Grand Rapids, MI.
- * Elkordy, A. (2014, February). *Getting Started with Digital Badges*. Pre-Conference Workshop, sponsored by Special Interest Group: Media Specialists (SIGMS), Michigan Association for Computer Users in Learning, (MACUL), Grand Rapids, MI.
- *Elkordy, A. (2014, February). *Badgebox & Socialpreneurs*. [Conference session]. SESI MidWestern Entrepreneur Conference, Eastern Michigan University, Ypsilanti, MI. (Competition winner).
- *Elkordy, A. & Saunders, T. (2014, February). *Introduction to digital badges*. [Conference session]. Eastern Michigan University, CONNECT Faculty Development Conference, Ypsilanti, MI.
- *Elkordy, A. (2014, January). *Overview of digital badges in higher education contexts*. Oakland Community College (O.C.C.), Farmington Hills, MI.
- Elkordy, A. (2013, November). *Digital badges for learning*. [Conference session]. 31st Annual Michigan State University (M.S.U.), College of Education Technology Conference, (COETC), Center for Teaching and Technology, Lansing, MI.
- Elkordy, A. (2013, November). *Showcase learning with digital badges*. [Conference session]. Michigan Digital Learning Conference, Macomb I.S.D., Macomb, MI.
- * Elkordy, A. (2013, November). *Workshop: Digital badges for learning*, MI Academy, Ann Arbor, MI.
- * Elkordy, A. (2013, August). *Workshop: Digital badges for learning*, H.E.S. Academies, Dearborn Heights, MI.
- Elkordy, A. (2013, April). *Digital badges: Assessment for learning 21st-century skills in formal and informal contexts*. [Conference session]. HASTAC (Humanities, Arts, Science, Technology Advanced Collaboratory), Toronto, Ontario, Canada.
- Elkordy, A. (2013, March). *More administrators' essentials: Technology tools to stay on top*. [Conference session]. Michigan Association for Computer Users in Learning, (MACUL), Detroit, MI.
- Elkordy, A. (2013, March). *Digital badges for STEM learning: A comparative analysis of participant outcomes using hierarchical linear modeling*. [Conference session]. Michigan Association of Professors of Educational Administration, (MAPEA), Virtual Symposium.
- Elkordy, A. (2013, March). *Digital badges for STEM learning*. [Conference session]. Eastern Michigan University, Graduate Research Fair. Poster presentation. Ypsilanti, MI.
- Elkordy, A. & Jeffrey, K., (2013, March). *Digital badging in K-12 environments*. [Conference session]. Digital Media and Learning Conference, Tech Café co-organizer, Chicago, IL.
- Elkordy, A. & Bell, B. (2013, January). *Digital dreamers: Digital equity*. [Conference session]. Martin Luther King Symposium, Eastern Michigan University, Ypsilanti, MI.

- Elkordy, A. (2012, April). *Staying current and organized; Technology tools for productivity*. Phi Delta Kappa, (P.D.K.), Eastern Michigan University Chapter, Ypsilanti MI.
- * Elkordy, A. (2012, April). *Digital badges and learning in K-12 environments*. Eastern Michigan University, Graduate Day Representative, The Capitol, Lansing, MI.
- Elkordy, A. (2012, April). *Digital badges, and learning in K-12 environments*. [Conference session]. Eastern Michigan University, Graduate Research Fair, Ypsilanti, MI.
- Elkordy, A. (2012, March). *Exploring Bloom's digital taxonomy*. [Conference session]. Michigan Association for Computer Users in Learning, (MACUL), Grand Rapids, MI.
- Elkordy, A. (2012, March). *Technology productivity tools for administrators*. [Conference session]. Michigan Association for Computer Users in Learning, (MACUL), Grand Rapids, MI, March 2012.
- Elkordy, A. & Jeffrey, A. (2012, March). *Lifelens; Digital badges for teens*. Finalist, Digital Media and Learning (D.M.L.) Competition (Badging system aligned with state and national standards), San Francisco, CA.
- * Elkordy, A. (2011, October). *Teacher evaluation and supervision*, presented to the Education Secretary of Vanuatu, Eastern Michigan University, Ypsilanti, MI.
- Elkordy, A. (2011, March). *Connected educators: Social media, 101*. [Conference session]. Michigan Association for Computer Users in Learning, (MACUL), Detroit, MI.
- Elkordy, A. (2011, March). *Upper elementary roundup: Tools and resources*. [Conference session]. Michigan Association for Computer Users in Learning, (MACUL), Detroit.
- Elkordy, A., (March, 2010). *Nings to Knols; Social Learning Structures for Professional Development*, Michigan Association for Computer Users in Learning, (MACUL), Grand Rapids, MI.
- Elkordy, A., *Student technology showcase (Student Team)*. Michigan Association for Computer Users in Learning, (MACUL), The Capitol, Lansing, MI, November 2011.
- Elkordy, A., *Integrating technology tools for non-linguistic representations, collaborative learning, formulating, and testing hypotheses*. Michigan Association for Computer Users in Learning, (MACUL), Detroit, MI, March 2009.
- Elkordy, A., *Digitally speaking, Tools for language and literacy*. Michigan Association for Computer Users in Learning, (MACUL), Detroit, MI, March 2007.
- Elkordy, A., *Student technology showcase (Student Team, MI Academy)*. Michigan Association for Computer Users in Learning, (MACUL), The Capitol, Lansing, MI, November 2007.
- *Elkordy, A. & Beukema, J., *Library services for Arab-American youth and families*. Michigan Library Association (M.L.A.), Multicultural Roundtable, Dearborn Heights, MI, Spring 2007.
- Elkordy, A., *M squared: Multicultural mix, services for culturally diverse populations*. Michigan Association for Media in Education, (MAME), Detroit, MI, October 2006.

- Elkordy, A., *Creative library programming for diverse populations*. Michigan Association for Media in Education (MAME), Detroit, Michigan, November 2005.
- Elkordy, A., *Strategies for staying web-savvy in K-12 environment*. Michigan Association for Computer Users in Learning, (MACUL), Grand Rapids, MI, March 2002.
- Elkordy, A., *Student technology showcase (Student Team, MI Academy)*. Michigan Association for Computer Users in Learning, (MACUL), The Capitol, Lansing, MI, November 2001.

Service

Editorial Service and Reviewing

- **i.e.: Inquiry in Education**. Reviewer, 2019 –
- **International Society for Learning Sciences (ICLS)**, Reviewer, 2019-
- **Educational Technology Research & Development, (ETR&D)**, 2018-
- **Mentor and Tutoring: Partnership in Learning**, Editorial Review Board, Member, 2017 -
- **ICPEL, (International Council of Professors of Educational Administration)**, Reviewer, 2016-
- **Illinois State Board of Education (ISBE), Illinois Licensure Testing System (ILTS) Content Advisory Committee**, 2016, 2017, 2019. (Technology Education – Framework review, Technology Specialist – Framework review and Content validity)
- **ISTE, (International Society for Technology in Education)**, Reviewer, including Research session proposals, Innovative Learning Environments, Maker and STEM (2022, 2021, 2020, 2018, 2016, 2015 conferences), International Society for Technology in Education
- **AERA, (American Educational Research Association)**, Reviewer, Research session proposals (2021, 2020, 2019, 2018, 2017, 2016 conferences). Divisions C (Learning and Instruction) and K (Teaching and Teacher Education), SIGS: Instructional Technology, Teacher as Researcher and Technology, Instruction, Cognition, and Learning.
- **Technical Reviewer**, *Practical Statistics for Educators* (5th edition) & *Study Guide for Practical Statistics for Educators*. Rowman & Littlefield Publishers. (March 2015)

*Programs and Committees (*invited)*

- *** Academic Technology Committee**, Co-Chair, National College of Education, National Louis University, Chicago, IL, 2015-
- **Scholarship and Development Committee, National College of Education**, Co-Chair, National Louis University, Chicago, IL, 2019-
- **Strategic Initiative: Become a Model for Faculty Development and Promote Thought Leadership in Teaching & Learning Task Force**: Suite of Faculty Development Opportunities, Center for Teaching and Learning Excellence, 2019-2021
- ***National Advisory Committee, Competency-based Learning, and Digital Badging**, working with the State of Delaware and Rodel consultants, 2019 -2020
- ***CAEP Self-Study Team, Strand #5, Member**, National Louis University (by invitation), Chicago, IL. October 2015 – 2018
- **FAST Committee, (Faculty Academic Support and Technology)**, National Louis University, Chicago, IL, 2014-2018
- ***Advisory Committee, STEM Success Grant (STEM & E.S.L. student success)**, by invitation. October 2015 – 2016
- ***Digital Badges Advisory Committee**, Skyline High School, Ann Arbor, MI, **Member**, 2013
- **P.D.K.**, Chapter #0099, Eastern Michigan University (EMU), **Scholarship Officer**, 2012-2014
- **Dissertation and Academic Writing Group**, (EMU), *Group Founder. Chair*, 2012-2014
- **Technology Committee**, Star International Academy, **Chair**, 2004-2009
- **Literacy Committee**, Star International Academy, **Chair**, 2004-2009
- ***School Improvement Committees**, Star International, Universal and Universal Learning Academies, **Member**, 2003-2009
- ***International Baccalaureate Middle Years Program, (IB M.Y.P.)**, Steering Committee, **Member**, 2005-2009
- ***Mentoring**, Computer Science Teachers, H.E.S., 2007-2009
- **Science Education Outreach Team, Member**, Pfizer Global Research and Development, Member, 2002-2003
- **Library Web Development Team**, The Sage Colleges, **Lead**, 1996-1999
- **Web Advisory Group**, The Sage Colleges, **Member**, 1997-1999

Professional Affiliations

- American Psychological Association (APA), Member, 2019-
- Association for the Advancement of Computing in Education (AACE), Member, 2019-
- American Educational Research Association (AERA), Member, 2014-
- Illinois Digital Educators Alliance (IDEA) formerly, Illinois Computing Educators (ICE), Member, 2015 -
- International Society for Technology in Education, (ISTE), Member, 2006-
- International Society of the Learning Sciences (ISLS), Member, 2015-
- Michigan Association for Technology Users in Learning (MACUL), 2006-

Courses Taught/ Designed (select)

** new course, * course redesign

Learning Technologies:

- TIE 300 Introduction to Technology in the Classroom
- TIE 525 Designing Digital Age Learning Environments**
- TIE 532 Visionary Leadership for Digital Learning Contexts
- TIE 535 Instructional Design for Digital Age Learning Environments*
- TIE 575 Leading Professional Learning in Learning Technologies*
- TIE 585X Digital Games and Learning**
- TIE 585Q Google Apps in Education**
- TIE 585AQ Introduction to Maker Spaces & STEAM**
- TIE 585AW Maker Movement and STEAM Education**
- TIE 592 Portfolio Development Seminar*
- TIE 593 Research Seminar: Emerging Technologies, Teaching & Learning*

Learning Sciences/ Educational Psychology/ Research and Foundations / Data Science:

- EPS 513 Frameworks for Data-Driven Instruction*
- EPS 541 Learning and Cognition
- LSE 500 Introduction to Learning Sciences and Technology**
- LSE 520 Introduction to Design-based Research**
- LSE 530 Cognition in Socio-cultural Contexts **
- LSE 593 Seminar in the Learning Sciences **
- ESR 502 Research Methods for Educational Psychologists

- ESR 505 Educational Inquiry and Assessment
- ESR 514 Action Research: Becoming Research Practitioners
- ESR 608 Foundations of Doctoral Research *
- ESR 612 Statistical Methods in Research*
- CCD 605 Scholarly Habits of Mind*
- CCD 690 Special Topics: Frameworks of Thinking

Educational Leadership:

- EDL 520 Leading Diverse Schools
- EDL 521 Building School Community Partnerships
- EDL 524 Negotiations and Resolving Conflict in Educational Settings
- EDL 526 Realizing Vision: Technology, Human & Financial Resources*
- EDL 573 Educational Leadership Project (Field-based)
- EDL 608 Communities: Engagement with Staff and Families
- EDL 625 Scholarly Writing for Practitioners
- EDL 624 Improving Instruction through Professional Development
- EDL 628 Analyzing and Using Data for Systems Improvement
- EDL 630 Understanding and Using Educational Research
- EDL 632 Utilizing Data-Informed Decision Making
- EDL 690 Educational Leadership Internship (Field-based)
- LDR 521 Guiding Data Teams in Schools**

References (Additional references upon request)

- **Endorsements: LinkedIn profile:** www.linkedin.com/pub/angela-elkordy/8/5b2/837

Doctoral Advisees

I supervise doctoral students in the following program areas:

- 1) Teaching and Learning Doctoral Program, with majors
 - Curriculum, Advocacy, and Policy (C.A.P.)
 - Disability and Equity (DEE)
 - Reading
- 2) Educational Leadership Doctoral Program (EDL)
- 3) Educational Psychology dissertations (HL&D)

- Six candidates completed doctoral degree requirements in 2018-2021 under my supervision.

- Currently chair several dissertations and serve as a member on additional dissertation committees. Information upon request.