

Research Monographs

- Waguespack, L. J. (2019). *Designing Thriving Systems: Marrying Technical Rationality and Appreciative Systems*. London: Springer-Verlag, 978-3-030-03924-0. ([cover](#))
- Waguespack, L. J. (2010). *Thriving Systems Theory and Metaphor-Driven Modeling*. London: Springer-Verlag, ISBN: 978-1-84996-301-5.

Curriculum Contribution

- [Computing Curricula 2020 \(CC2020\): Paradigms for Global Computing Education](#) - contributor

Journal Publications

- Takada, S., Cuadros-Vargas, E., Impagliazzo, J., Gordon, S., Marshall, L., Topi, H., van der Veer, G., Waguespack, L., Toward the visual understanding of computing curricula, *Education and Information Technology*, Springer, <https://doi.org/10.1007/s10639-020-10127-1>, received: 1 October 2019 / accepted: 10 January 2020 / published online: 02 April 2020.
- Babb, J., Jr., Waguespack, L., & Abdullat, A. (2019). Invited Paper: Subsumption of Information Systems Education towards a Discipline of Design. *Journal of Information Systems Education*, 30(4), 311-320. <http://jise.org/Volume30/n4/JISEv30n4p311.html>
- Yates, D., Frydenberg, M., Waguespack, L., McDermott, I., O'Connell, J., Chen, F., Babb, J. S. (2019). Dotting i's and Crossing T's: Integrating Breadth and Depth in an Undergraduate Cybersecurity Course, *Information Systems Education Journal*, 17(6) pp 41-62. <http://isedj.org/2019-17/> ISSN: 1545-679X. (A preliminary version appears in The Proceedings of EDSIGCON 2018)
- Waguespack, L., Babb, J. (2019). Toward Visualizing Computing Curricula: The Challenge of Competency, *Information Systems Education Journal*, 17(4) pp 51-69. <http://isedj.org/2019-17/> ISSN: 1545-679X. (A preliminary version appears in The Proceedings of EDSIGCON 2018)
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- Babb, J., Nurbjerg, J., Yates, David J. & Waguespack, Leslie J., "The Empire Strikes Back: The end of Agile as we know it?" (2017). *Selected Papers of the IRIS*, Issue Nr 8 (2017). 8.
- Waguespack, L., Babb, J. (2017). Grounding IS Design Education in the First Principles of a Designerly Way of Knowing, *Information Systems Education Journal*, 15(6) pp 62-71. <http://isedj.org/2017-15/> ISSN: 1545-679X. (A preliminary version appears in The Proceedings of EDSIG 2016)
- Waguespack, Leslie J., Schiano, William T., Yates, David J. (2016). "Trust = Utility + Security: Designing for that Elusive Quality in Cloud Computing," *Design Principles and Practices: An International Journal - Annual Review*, Vol. 10, ISSN: 1833-1874 (Print), ISSN: 2473-5736 (Online), doi: 10.18848/1833/CGP/v10/25-40 (Article), November.
- Waguespack, L. (2016). IS Design Pedagogy: A Special Ontology and Prospects for Curricula, *Information Systems Education Journal*, 14(6) pp 4-13. <http://isedj.org/2016-14/> ISSN: 1545-679X. (A preliminary version appears in The Proceedings of EDSIG 2015)
- Longenecker, B., Babb, J. S., Waguespack, L., Tastle, W., Landry, J. (2016). Use of Failure in IS Development Statistics: Lessons for IS Curriculum Design, *Information Systems Education Journal*, 14(5) pp 44-61. <http://isedj.org/2016-14/> ISSN: 1545-679X. (A preliminary version appears in The Proceedings of EDSIG 2015)
- Waguespack, L. (2015). A Design Quality Learning Unit in OO Modeling Bridging the Engineer and the Artist, *Information Systems Education Journal*, 13(1) pp 58-70. <http://isedj.org/2015-13/> ISSN: 1545-679X. (A preliminary version appears in The Proceedings of ISECON 2011) [Slides.pdf](#)

- Longenecker, B., Babb, J. S., Waguespack, L., Janicki, T., Feinstein, D. (2015). Establishing the Basis for a CIS (Computer Information Systems) Undergraduate Degree Program: On Seeking the Body of Knowledge, *Information Systems Education Journal*, 13(5) pp 37-61. <http://isedj.org/2015-13/> ISSN: 1545-679X. (A preliminary version appears in *The Proceedings of ISECON 2014*)
- Babb, J. S., Waguespack, L. (2014). In Search of Design-Focus in IS Curricula, *Information Systems Education Journal*, 12(4) pp 29-39. <http://isedj.org/2014-12/> ISSN: 1545-679X. (A preliminary version appears in *The Proceedings of ISECON 2013*)
- Waguespack, L. (2014). Computer Security Primer: Systems Architecture, Special Ontology and Cloud Virtual Machines, *Information Systems Education Journal*, 12(2) pp 18-28. <http://isedj.org/2014-12/> ISSN: 1545-679X. (A preliminary version appears in *The Proceedings of ISECON 2013*)
- Schiano, William T., Yates, David J., Waguespack, Leslie J. (2013) Apache Web Server: Applying Lessons from Physical Architecture to Enable Systems to Thrive, *The International Journal of Design management and Professional Practice*, (<http://ijgmpp.cgpublisher.com/product/pub.239/prod.32>).
- Waguespack, L. J. (2011). Design, the “Straw” Missing from the “Bricks” of IS Curricula, *Information Systems Education Journal*, Vol. 9 No. 2, pp. 101-108, ISSN: 1545-679X, <http://isedj.org/2011-9/N2/ISEDJv9n2p101.pdf> (A preliminary version appears in *The Proceedings of ISECON 2010: §1334*, Nashville, TN Oct 27-31, 2010. meritorious paper award) Slides.pdf.
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- Waguespack, L. J., Schiano, W. T., Yates, D. J. (2010). Translating Architectural Design Quality from the Physical Domain to Information Systems. *Design Principles and Practices: An International Journal*, 4, 179-194. Slides.pdf
- Waguespack (2009). A Two-Page “OO Green Card” for Students and Teachers, *Information Systems Education Journal*, 7 (61). <http://isedj.org/7/61/>. ISSN: 1545-679X. (A preliminary version appears in *The Proceedings of ISECON 2007: §3743*. ISSN: 1542-7382.)
- Waguespack (2008). Hammers, Nails, Windows, Doors and Teaching Great Design, *Information Systems Education Journal*, 6 (45). <http://isedj.org/6/45/>. ISSN: 1545-679X. (Also appears in *The Proceedings of ISECON 2007: §3324*. ISSN: 1542-7382. meritorious paper award)
- Waguespack (2008). The Tinkertoy(tm) Exercise for Motivating Formal System Modeling, *Information Systems Education Journal*, 6 (46). <http://isedj.org/6/46/>. ISSN: 1545-679X. (Also appears in *The Proceedings of ISECON 2006: §3342*. ISSN: 1542-7382.)
- Waguespack (2006). Metaphors, Polymorphism, Domain Analysis, and Reuse: Teaching Modeling in the Object-Oriented Paradigm, *Information Systems Education Journal*, 4 (81). ISSN: 1545-679X. (Also appears in *The Proceedings of ISECON 2005: §2332*. ISSN: 1542-7382.)
- Waguespack (2005). An Implementation of IS2002: BSCIS'04 - Bentley College, *Information Systems Education Journal*, 3 (18). ISSN: 1545-679X. (Also appears in *The Proceedings of ISECON 2004: §3414*. ISSN: 1542-7382.)

Refereed Conference Publications

- Waguespack, L.J., Topi, H., Frezza, S., Babb, J., Marshall, L., Takada, S., van der Veer, G., Pears, A., (2019) “Adopting Competency Mindful of Professionalism in Baccalaureate Computing Curricula,” EDSIGCON - Conference on Information Systems and Computing Education, Cleveland, OH, November 2019. ISSN: 2473-3857, v5 n4955.
- Babb, J., Sharp, H.S., Waguespack, L.J., Abdullat, A., Dana, K., (2019) “eXtensible Computing Curriculum Reporting Language (XCCRL),” EDSIGCON - Conference on Information Systems and

Computing Education, Cleveland, OH, November 2019. ISSN: 2473-3857, v5 n4962.

- Waguespack, L.J., Babb, J., (2018) “Toward Visualizing Computing Curricula: The Challenge of Competency,” EDSIGCON - Conference on Information Systems and Computing Education, Norfolk, VA, November 2018. ISSN: 2473-3857, v4 n4633.
- Yates, D., Frydenberg, M., Waguespack, L.J., McDermott, I., O’Connell, J., Chen, F., (2018) “Dotting I’s and Crossing T’s: Integrating Breadth and Depth in an Undergraduate Cybersecurity Course,” Conference on Information Systems and Computing Education, Norfolk, VA, November 2018. ISSN: 2473-3857, v4 n4654.
- Waguespack, L.J., Babb, J., Yates, D., (2018) “In Search of a Cure for a Psychosis in Information Systems Design: Co-created Design and Metaphorical Appreciation,” Hawaii International Conference on Systems Sciences, Hawaii, HI January, 2018. (paper) (HICSS-51 Slides 18-1-5.m4v)
- Waguespack, L.J., Babb, J., Yates, D., (2017) “Triangulating Coding Bootcamps in IS Education: Bootleg Education or Disruptive Innovation?,” EDSIGCON - Conference on Information Systems and Computing Education, Austin, TX, November 2017, ISSN: 2473-3857, v3 n4367.
- Jafar, M., Waguespack, L.J., Babb, J., (2017) “A Visual Analytics Approach to Gain insights into the Structure of Computing Curricula,” EDSIGCON - Conference on Information Systems and Computing Education, Austin, TX, November 2017, ISSN: 2473-3857, v3 n4377.
- Babb, J., Waguespack, L.J., Jafar, J., Sharp, J., Tastle, W., Landry, J., (2017) “2017 Progress Report of the EDSIG Standing Committee for Curricular Matters,” Panel: Conference on Information Systems and Computing Education, Austin, TX, November 2017.
- Waguespack, L.J., Babb, J., Yates, D., (2017) “ ‘Refactoring’ Refactoring,” Hawaii International Conference on Systems Sciences, Hawaii, HI January 7, 2017. [best paper nominee] (PDF) (Slides) (Talk)
- Waguespack, L.J., Babb, J., (2016) “Grounding IS Design Education in the First Principles of a Designerly Way of Knowing,” EDSIGCON - Conference on Information Systems and Computing Education, Las Vegas, NV, November 2016 (Slides) (Talk).
- Longenecker, H, Babb, J., Waguespack, L.J., Tastle, W., Feinstein, D., (2016) “An Update on the CIS Curriculum Project,” EDSIGCON - Conference on Information Systems and Computing Education, Las Vegas, NV, November 2016. (Slides)
- Waguespack, L.J., (2015) “IS Design Pedagogy: A Special Ontology and Prospects for Curricula,” EDSIGCON - Conference on Information Systems and Computing Education, Wilmington, NC, v1 n3445, November, 2015. (Slides) (Talk)
- Longenecker, Jr. H.E., Babb, J., Waguespack, L.J., Tastle, W. and Landry, J., (2015) “Use of Failure in IS Development Statistics: Lessons for IS Curriculum Design,” EDSIGCON - Conference on Information Systems and Computing Education, Wilmington, NC, v1 n3466, November, 2015.
- Longenecker, Jr. H.E., Babb, J., Waguespack, L.J., Tastle, W., Landry, J., (2015). [Panel] Report of the EDSIG CIS Curriculum Task Group: Status; Immediate Issues - Mapping Body of Knowledge to Exit Objectives; Call for Participation . Proceedings of the EDSIG Conference, n3556, Wilmington, NC, November, 2015.
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- Waguespack, Leslie J., Yates, David J., Schiano, William T. (2014) “Towards a Design Theory for Trustworthy Information Systems,” Hawaii International Conference on Systems Sciences, Hawaii, HI, January 9, 2014 (slides) (video talk)
- Waguespack, L.J., (2013) “Computer Security Primer: Systems Architecture, Special Ontology and Cloud Virtual Machines,” Information Systems Education Conference, San Antonio, TX, (<http://proc.isecon.org/2013/pdf/2511.pdf>) Meritorious Paper Award.

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- Waguespack, L J. Threaded Live Case Study Lessons Learned. In The Proceedings of ISECON 2000, v 17 (Philadelphia): §411.
- Waguespack, L. and W. T. Schiano, "The Foxboro Company: Adopting Object Orientation," North American Case Research Association 1999 Conference, Santa Rosa, California, October 28-30, 1999.
- Waguespack, Leslie J., Jr. and Schiano, William T., "Managing the Migration to Object Orientation," Information Resources Management Association, Boston, MA, Idea Group Publishing, May 1998, pp. 908-910.
- Waguespack, Leslie J., Jr., "Threaded Live Case Studies," Proceedings of ISECON '97 Orlando, FL, October 1997.
- Waguespack, Leslie J., Jr., "Domain Analysis is an Essential Skill of the OO Analyst" Proceedings of ISECON '94 Louisville, KY , October 1994.
- Waguespack, Leslie J., Jr., "Integrating Object Orientation into the IS Curriculum" Proceedings of ISECON '93 Phoenix, AZ, October 1993.

Research Seminar Presentations

- Waguespack, L.J., Babb, J., Yates, D., (2017) “Contemplating Design Pedagogy in Computing Education,” Eleventh International Conference on Design Principles & Practices, Toronto, CA. 4-6 March, 2017 (Slides).
- Waguespack, Leslie J., Schiano, William T., Yates, David J. (2015) “Trust = Utility + Security: Designing for that Elusive Quality in Cloud Computing,” 9th International Conference on Design Principles and Practices, Chicago, 12-14 March 2015. (slides)
- Waguespack, L., Babb, J. S., Feinstein, D., Longenecker, B., Janicki, T., (2014). EDSIG Special Committee on Curricular Matters: Establishing the Basis for a CIS Undergraduate Program: On Seeking the Body of Knowledge. The Proceedings of the Information Systems Education Conference, v.31 n.3158, Baltimore, Maryland.

- Petkov, D., Waguespack, L., Schell, G., Petkova, O., Babb, J. S., (2014). Teaching Systems Thinking in Information Systems Programs. The Proceedings of the Information Systems Education Conference, v.31 n.3157, Baltimore, Maryland.
- Nezlek, G., Dekleva, S., Hidding, G., Reithel, B., Waguespack, L.. The Proceedings of the Information Systems Education Conference, v.29 n.2029, New Orleans, LA.. (2012) LJW Slides.pdf.
- Waguespack, L J., “Thriving Systems Theory: Pursuing a Universal Foundation of System Design Quality,” Invited Visiting Lecture, School of Computing, University of South Alabama, Mobile, AL, 19 March 2012. USASlides (19 megs).
- Waguespack, L J., “Thriving Systems Theory and Design Quality: Explicating Fundamental Characteristics of Architectural Quality in Software and Systems,” Special Seminar, 3 March 2011, Lincoln Laboratories, MIT, Bedford Ma, Poster: LincolnLabsPoster.pdf, Slides: Waguespack2011-3-3.pdf (15 megs.)
- Waguespack, L J., “Thriving Systems Theory and Design Quality,” CIS/IPM Research Seminar, 14 February 2011, Bentley College. Slides.pdf (16 megs.)
- Waguespack, L J., “Thriving Systems Theory,” Bentley University Annual Research Poster Reception, Best Poster Prize, 31 August, 2010. (WaguespackThrivingSystems.pdf)
- Waguespack, L J., “From Understanding Great Design in Architecture to Achieving Great Design in Informations Systems,” CIS/IPM Research Seminar, 7 April 2008, Bentley College. Slides.pdf

Selected Technical Reports

- Waguespack, L. and W. T. Schiano, "A Reuse Immersion Grid for Strategic Reuse Goals Assessment"
- Waguespack, L. and W. T. Schiano, "Focusing on Reuse and Domain Analysis in Computing Curricula"