

# Laura C. Amo

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## **Experience**

2013 - present  
University at Buffalo  
School of Management  
Department of Management Science and Systems  
Visiting Assistant Professor

## **Education**

- Ph.D. Educational Psychology and Quantitative Methods  
University at Buffalo  
Buffalo, New York  
2015
- M.A. Educational Psychology and Quantitative Methods  
University at Buffalo  
Buffalo, New York  
2010
- B.A. Psychology with minor in Industrial/Organizational Psychology  
Canisius College  
Buffalo, New York  
2004 (cum laude)

## **Externally Funded Projects**

- 2016-2017 National Security Agency and National Science Foundation (\$99,452.61), **Co-PI**  
GenCyber 2016
- 2015-2017 National Science Foundation (\$199,759), **Co-PI**  
SaTC EDU Collaborative: Cybersecurity for Middle School students at Museums: An Informal Learning Approach, DGE-1523174
- 2015-2016 National Science Foundation & National Security Agency, GenCyber (\$86,393), **Senior Personnel**, Supplement to NSF Grant, DGE-1241709

## **Externally Funded Projects (under Review)**

- 2017 National Security Agency and National Science Foundation (co-PI, \$95,346.02)  
GenCyber 2017

## **Internally Funded Projects**

- 2016-2017 UB School of Management MSS-OHR Dyadic Studies, Center for Leadership and Organizational Effectiveness, \$7000

## **Publications**

- Amo, L.C. (2016). Education-Based gaps in eHealth: A weighted logistic regression approach. *Journal of Medical Internet Research*, 18(10), [DOI: 10.2196/jmir.5188](https://doi.org/10.2196/jmir.5188)
- Amo, L.C. (2016). Addressing gender gaps in teens' cybersecurity engagement and self-efficacy. *IEEE Security & Privacy*, January/February, 2 - 5.
- Lee, J. & Amo, L.C. (2016). High-stakes testing for what and for whom? International and interstate analyses of student- and school-targeted accountability policy effects. *Handbook of Comparative Education* (Ed. Don Sharpes). Information Age Publishers.

Aloe, A.M., Amo, L.C., & Shanahan, M. (2014) Multivariate meta-analysis of teacher classroom management self-efficacy and burnout. *Educational Psychology Review*, 26, 101-126, <http://dx.doi.org/10.1007/s10648-013-9244-0>

Amo, L.C. & Lee, J. (2013). Review of SAT Wars: The Case for Test Optional College Admissions. *Review of Higher Education* (2-year impact factor of 1.307).

Lee, J., Shin, H., & Amo, L.C. (2013). Tracking the impact of school AYP interventions under NCLB in New York State. *Education Policy Analysis Archives*.

Lee, J., Liu, X., Amo, L.C., and Wang, W.C. (2013). Multilevel linkages between state standards, teacher standards, and student achievement: Testing external vs. internal standards-based education models. *Educational Policy*. doi 10.1177/0895904813475708.

Amo, L.C., Ada, S., and Sharman, R. (2012). The role of scholar status in the academic publication process. *International Journal of Doctoral Studies*, 7, 79-92.

### **Manuscripts Under Review**

Amo, L.C., Lemoine, G.J., Grijalva, E. *Gender differences in computer abuse: Insights into a complex relationship*. Under first review at *Information Systems Research*.

### **Manuscripts Under Review in Preparation and Development**

Amo, L.C., Grijalva, E., Herath, T., Lemoine, G.J., & Rao, H.R. *Antecedents to insider threats*. Study 2 data collection stage. Target is *MIS Quarterly* in January 2017.

Amo, L.C., Liao, R., Pearson, C., Mazzei, A.M. Gamification adds value and extends engagement. Target journal is *Journal of Consumer Research* in January 2017.

### **Presentations & Workshops**

Amo, L.C., Liao, R., & Pearson, C. (2016). *Analytics to inform and improve user experiences in a museum*. Abstract accepted for Decision Sciences Institute annual meeting, November 12<sup>th</sup>, 2016, Austin, Texas.

Amo, L.C. (2016). *Using Excel and R to teach introductory analytics*. Accepted presentation for Data Analysis and Statistics Instruction SIG, Decision Sciences Institute annual meeting, November 12<sup>th</sup>, 2016, Austin, Texas.

Amo, L.C. (2016). *Lessons learned from GenCyber 2015*. Bi-annual conference for the National Security Agency in San Francisco, California, May 16, 2016.

Amo, L.C. (2016). *Assessment Birds of a Feather*. Bi-annual conference for the National Security Agency in San Francisco, California, May 17, 2016.

Amo, L.C. (2015). *Bootstrapping Confidence Intervals*. Invited guest lecture at Purdue University's Discovery Advancement through Analytics (DATA) lab. December 2, 2105.

Amo, L.C. (2015). *Gender Differences in Cybersecurity Engagement and Self-Efficacy Growth Trajectory*. Invited talk for at Purdue University's Center for Education and Research in Information Assurance and Security [CERIAS]. Available for online viewing at [https://www.cerias.purdue.edu/news\\_and\\_events/events/security\\_seminar/details/index/1lgcp94s27llnar63hl3lub41g](https://www.cerias.purdue.edu/news_and_events/events/security_seminar/details/index/1lgcp94s27llnar63hl3lub41g)

Amo, L.C. (2015). *Establishing Reliability and Validity of the Cybersecurity Engagement and Self-Efficacy Scale*. Invited speaker at the plenary session at the annual conference for the National Initiative for Cybersecurity Education, San Diego, CA.

- Amo, L.C. (2015). Birds of a Feather presenter. Annual conference for the National Initiative for Cybersecurity Education, San Diego, CA.
- Amo, L.C. (2015). *Pre-assessment in GenCyber camps*. Invited panelist for the semi-annual NSA conference on GenCyber in New Orleans, Louisiana, September 19, 2015.
- Amo, L.C. (2013). *Estimating the Effects of Test-Driven Principal Accountability on Principal Instructional Influence and Student Math Gains*. Paper accepted for roundtable discussion at 2013 annual meeting of American Educational Research Association, San Francisco, California.
- Lee, J. & Amo, L.C. (2013). *International and Interstate Comparisons of Test-driven Student/School Accountability Policy Results: Comparative Interrupted Time-series Analyses of Math Achievement Trend Data from NAEP, TIMSS and PISA*. Paper accepted for roundtable discussion at 2013 annual meeting of American Educational Research Association, San Francisco, California.
- Lee, J., Shin, H., and Amo, L.C. (2012). *Tracking the impact of school AYP interventions under NCLB*. Paper presentation at 2012 annual meeting of American Educational Review Association, Vancouver, British Columbia, Canada.

### **Consulting and Applied Service**

- 2016 Consultant for Purdue University internal grant to develop curriculum in cybersecurity analytics
- 2015 Evaluator for the National Science Foundation and National Security Agency's GenCyber program for a project at Purdue University

### **Teaching**

**Course:** Introduction to Statistics and Computing (MGQ201)

**Semesters:** Fall 2015 ( $n = 865$  students, 112 of whom are in Singapore), Spring 2015 ( $n = 564$ ), Spring 2014 ( $n = 636$ ), Fall 2014 ( $n = 821$  students, 113 of whom were in Singapore), The 4-credit course is my main teaching appointment and I have revised the course significantly in the past year.

Highlights from live section in Spring 2015 ( $n = 34$  respondents)

- Overall rating of course excellence = **4.44 out of 5** (SOM mean = 4.08)
- Overall rating of instructor's excellence = **4.72 out of 5** (SOM mean = 4.33)

**Course:** Statistical Decisions in Management (MGQ301)

**Semester:** Summer 2013

**Role:** main instructor

Highlights from course evaluation results ( $n = 20$  respondents)

- Overall, how much learned = **4.15 out of 5** (SOM mean = 3.79)
- Overall rating of instructor's teaching effectiveness = **4.5 out of 5** (SOM mean = 3.86)
- Overall rating of the course = **4.5 out of 5** (SOM mean = 3.84)

### **Editorial Experience**

- Reviewer for IEEE Security and Privacy
- Reviewer for Journal of Medical Internet Research
- Reviewer for *Communications of the Association of Information Systems*
- Graduate Student Reviewer for *American Educational Research Journal Social and Institutional Analysis* (ISI 2010 impact factor = 2.479) under the co-Associate Editorship of Lois Weis, Ph.D., and Jaekyung Lee, Ph.D. from 2009 - 2011