

# Laurel Miller

Asst Professor Practice Trk, FSBM:Management Information Systems

## Overview

Laurel Miller joined the faculty in the Fox School's Management Information Systems (MIS) department as Assistant Professor of Practice in 2015. She has served as an adjunct faculty member since 2001.

Since 2006, she has served as Director of Temple University's Institute for Business and Information Technology (IBIT). In this role, she manages external relations for IBIT and the MIS Department, including the Fox IT Symposium Series, the annual Fox School IT Awards, the IBIT membership program, and The IBIT Report, a whitepaper-style series of reports. She also co-manages the Fox IT Advisory board, which includes senior level executives from companies across the country.

Laurel co-created and co-raised \$1.27 million in funding for the Digital Innovation Foundry who's mission is to generate digital innovation by assessing, integrating, and prototyping digital technologies.

Additionally, Laurel coordinates faculty and student projects with corporate and community partners, an industry speaker series, and funding for student scholarships as well as MIS' student professional organization. She also organizes the IT Career Fair, which is going into it's eighth year, and was created specifically for business school students who are completing a major or minor in an IT related field. Laurel also co-organizes the Temple Analytics Challenge and the National AIS Analytics Challenge which is also going into it's eighth year.

In 2017, Laurel won the Full time faculty teaching award which was announced at the 2017 Fox IT Awards. She also was co-recipient of the IMPACT award for her work on the Analytics Challenge.

She earned her Bachelor of Science in Early Childhood and Elementary Education and Master of Science in Education degrees from Temple University.

## Experience

### Academic Appointments

Assistant Professor, Fox School of Business, Temple University, Philadelphia	2015-present
Director, Institute for Business and Information Technology, Temple University, Philadelphia	2006-present
Associate Director, E-Business Institute, Temple University, Philadelphia	2004-2006
Corporate and Administrative Coordinator, Management Information Systems, Temple University, Philadelphia	2001-2004
Administrative Assistant, Management Information Systems, Temple University, Philadelphia	2000-2001
Financial Assistant, Office of the Provost, Temple University, Philadelphia	1997-2000

## Education

## Degrees

MS Education, Temple University, Philadelphia

BS Early Childhood Education and Elementary Education, Temple University, Philadelphia

## Distinctions

Impact award, <i>co-recipient for Temple Analytics Challenge</i>	2017
Full time faculty teaching award for 2016-2017, <i>Announced at the annual IT Awards</i>	2017
Fox School Crystal Teaching Award, <i>For Use of IT in the classroom</i>	2010
Administrative Leadership Award	2003
Administrative Leadership Award	2001

## Teaching Activity

### Course taught

Managing Information in the Enterprise	Summer I 2021
Data Centric Application Development	Spring 2021
Data Science	Spring 2021
MIS Co op Experience	Spring 2021
Managing Information in the Enterprise	Fall 2020
Data Centric Application Development	Fall 2020
Honors Data Science	Fall 2020
MIS Co op Experience	Summer 2020
Information Technology Management	Summer 2020
Data Centric Application Development	Spring 2020
Honors Data Science	Spring 2020
Data Centric Application Development	Fall 2019
Honors Data Science	Fall 2019
MIS Co op Experience	Summer 2019
Honors Data Science	Spring 2019
Data Science	Spring 2019

Data Science	Fall 2018
Data Science	Fall 2018
MIS Co op Experience	Summer 2018
Data Science	Spring 2018
MIS Co op Experience	Spring 2018
Data Science	Fall 2017
Data Science	Fall 2017
MIS Co op Experience	Fall 2017

### **Academic Assignments**

Course coordinator for MIS 0855-Data Science for 2020-2021 year

Course coordinator for MIS 0855-Data Science for 2019-2020 year

Course coordinator for MIS 0855-Data Science for 2018-2019 year

Course coordinator for MIS 0855-Data Science for 2017-2018 year

### **Professional Activity**

#### **Service**

Co-lead the Digital Innovation Foundry	Ongoing
Co-lead Fox IT Advisory Board which includes senior level executives from 15 firms from across the country	Ongoing
Managed the needs of 10 IBIT members on recruiting, speaking opportunities, research opportunities and other various activities	Ongoing
Co-lead the Community platform which is the LMS for the MIS department as well as the Professional Development Program for the MIS majors	Ongoing
Manage the IBIT mentoring Program-matching senior executives with MIS majors	Ongoing
Faculty advisor for the Small Business Digital Transformation Initiative	Ongoing
Assist in managing the Small Business Digital Transformation Initiative	Ongoing

Judge in Penn Milken competition	Spring 2021
Moderator in the Digital Leader Fireside Chat	Spring 2021
Organize and led the National Analytics Challenge involving 101 students from 15 universities. Scholastic Corporation provided data and prizes for the challenge.	Spring 2020
Chair of departmental teaching award committee-revised guidelines for the teaching award for full time and part time faculty	Fall 2019
Judge in Penn Milken competition	Fall 2019
Member of NTT hiring committee for department	Fall 2019
Member of Assistant Director hiring committee	Fall 2019
Organized Fox IT Career Fair with 37 companies and approximately 250 students	Fall 2019
Co-chair of the Digitization 20 conference which featured 8 industry executives and 10 academics from across the country	Fall 2019
Member of the teaching excellence committee	Fall 2019
Member of the 20th year committee-discussed different activities that would be included as part of the 20 year celebration of MIS and IBIT	2019-2020
Organize and led the Temple Analytics Challenge involving 291 students from 5 schools/colleges. Alexion provided data and prizes for the challenge.	2019-2020
Department Merit committee member	2019-2020
IMPACT Awards committee member	2019-2020
Co-created and co-raised \$1.27 million in funding for the Digital Innovation Foundry whose mission is to generate digital innovation by assessing, integrating, and prototyping digital technologies.	March 2019
Fox School Merit committee member	2018-2019
Department Merit committee member	2018-2019
IMPACT Awards committee member	2018-2019
Organize the Fox IT Awards for approximately 350 attendees	Spring 2019
Organize and led the National Analytics Challenge involving 39 entries from 17 universities. Three companies, NBCUniversal, AmerisourceBergen and Alexion, provided data and prizes for the challenge.	Spring 2019
Organized Fox IT Career Fair with 40 companies and approximately 250 students	Fall 2018
Organize and led the Temple Analytics Challenge involving 354 students from 6 schools/colleges. Three companies, NBCUniversal, AmerisourceBergen and Alexion, provided data and prizes for the challenge.	Fall 2018

Organize the Fox IT Awards for approximately 350 attendees	Spring 2018
Organize and led the National Analytics Challenge involving 53 entries from 25 universities. Three companies, NBCUniversal, Pfizer and QVC, provided data and prizes for the challenge.	Spring 2018
Organize and led 2018 National Cyber Analyst Conference. The conference participants featured academic and industry experts from Amazon, Pfizer, Leidos, NBCU, Vanguard, Penn State, U of Maryland, CMU, BYU and Temple.	Spring 2018
Organized Fox IT Career Fair with 32 companies and approximately 200 students	Fall 2017
Organize and led the Temple Analytics Challenge involving 582 students from 10 schools/colleges. Three companies, NBCUniversal, Pfizer and QVC, provided data and prizes for the challenge.	Fall 2017
Co-led a symposium on "The Practical Path Forward: Cognitive Computing, Artificial Intelligence, and Analytics, November 2017." A panel of experts from DARPA, Alexion, QVC, LiquidHub, AmerisourceBergen, Comcast, Aetna and MuHu participated with a keynote from Pfizer	Fall 2017
Co-led 2017 National Cyber Analyst Competition and Conference with 22 Universities	Fall 2017
1 new executive in residence members. Jeff Hamilton, SVP, Pfizer	2017-2018
Fox School Merit committee member	2017-2018
IMPACT Awards committee member	2017-2018
Managing Editor of the IBIT Report- -industry facing white paper series. Produced 2 IBIT Reports	Ongoing

## Grants

"Digital Innovation Foundry." M. Mandviwalla, L. Miller, and M. Chacko. \$1,272,500 includes \$392,500 in individual contributions, \$250,000 Capgemini, \$380,000 Fox School and \$250,000 IBIT match.	March 2019
Leidos, NBCUniversal, Pfizer, Vanguard, 2018 National Cyber Analyst Challenge/conference, \$235,000	2017-2018
Lockheed Martin, 2016 National Cyber Analyst Challenge/conference, \$265,000	2016-2017
Lockheed Martin, 2015 National Cyber Analyst Challenge/conference, \$205,000	2015-2016

## Conference Proceedings

Miller, L. "Data Science: Recruiting, Comforting and Intertwining Multi-disciplinary Students in the General Education Curriculum," AMCIS 2018, August 16-18, 2018, New Orleans, LA.

## Conference Presentations

Miller, L. and Schuff, D. "Fostering Digital Identity Management and Professional Development Using E-Portfolios," UBTech 2013 Conference, June 10-12, 2013, Orlando, FL.

## **Patents**

Mandviwalla, M., Chacko, M. and Miller, L. "System and Method for Quantifying Professional Development." U.S. Utility Patent Application No. 16/286,910, filed February 27, 2019 based on U.S. Provisional Patent Application No. 62/732,151, filed September 17, 2018.

## **Publications and other related work**

"The digital transformation of higher education: Applying design science to structure and measure student development." Munir Mandviwalla, David Schuff, Laurel Miller, Manoj Chacko. Revising to submit to Information Systems Research

Mandviwalla, M., Chacko, M. and Miller, L. "System and Method for Quantifying Professional Development." U.S. Utility Patent Application No. 16/286,910, filed February 27, 2019 based on U.S. Provisional Patent Application No. 62/732,151, filed September 17, 2018.

Mandviwalla, M., Schuff, D., Chacko, M. and Miller, L. (2013). Is That All There Is? Taking Education to New Levels in the Social Media Era. *Change: The Magazine of Higher Learning*, Vol. 45-5, pp-51-58, September 2013.

Co-Inventor, Temple Community Platform: 2008 – present. With Manoj Chacko and Munir Mandviwalla. The Temple Community Platform (TCP) consists of three distinct innovations:

- new type of learning management system (LMS) that applies social and open concepts to change learning and student development.
- A structured measurable professional development program that gets undergraduate students ready for the workplace.
- A model and associated software for offering 100% online graduate degree programs at low cost to achieve very high retention and satisfaction.
- The software is being used at Temple University, San Jose State University, and Scholastic Inc. It has also been used at Georgia State University and Loyola University Maryland.
- U.S. Utility Patent Application No. 16/286,910, filed February 27, 2019.
- The project has generated several conference and journal publications.