2016

Department of Information Systems & Supply Chain Management Annual Report, 2015-2016

Raj Soin College of Business, Wright State University

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Department of Information Systems & Supply Chain Management (ISSCM)

Annual Report
2015-2016
Welcome

Thank you for a wonderful year! I hope that your days and months in the past year were fruitful with accomplishments and joy.

The ISSCM Department continues to grow and fulfill our mission to educate and prepare our students for careers in both Supply Chain Management and Information Systems.

This 2016 Annual Report of the Department of Information Systems & Supply Chain Management documents the achievements and accomplishments of our students and faculty as well as the collaboration with our business partners and communities. We hope to provide you a brief overview of the highlights of the department in this annual report.

Please enjoy reading and I hope you feel proud of our students and faculty!

Dr. Shu Schiller
Chair & Associate Professor
Table of Contents

Quick Facts
Student Success
Experiential Learning
Curriculum Innovation
Master Programs
Scholarship & Awards
Faculty Achievement
Quick Facts
Background

- 12 faculty, 1 director, and 2 staff
- 204 undergraduate students in MIS and SCM major
- 53 students in two master programs - M.S. in Logistics & Supply Chain Management and Master of Information Systems
- 15 industry experts on the ISSCM Advisory Board
- 107 sessions of classes taught at the Dayton and Lake campuses
- 59 major events hosted or participated
- 7 volumes of newsletters distributed
- 597 members in the LinkedIn group

All statistics are from the 2015-16 school year
ISSCM Faculty & Staff

Dr. Daniel Asamoah  Dr. Kevin Duffy  Dr. Jim Hamister  Dr. Greg Kellar
Dr. Arijit Sengupta  Dr. Amir Zadeh  Alan Chesen  Dr. David Hall
Dr. Anand Jeyaraj  Dr. George Polak  Dr. Larry Weinstein  Dr. Shu Schiller
Don Hopkins  Kelli Smith  Rachel Testa
ISSCM Adjunct Faculty

- Kara Brown
- Collin Johnson
- Jeremy Lutz
- Craig Przybyla
- Russ Roysden
- Valerie Stueland
ISSCM Advisory Board 2014-16

Chair
Donald Hopkins
Retired CIO
IGT, NCR

Bob Goodman
Peerless Technology
VP Strategic Sourcing

Paul Moorman
Catalyst Paper
Senior IT Strategist/Architect

Diana Bolden
Teradata
SVP of IT & Operations

Steve Hangen
Mikesell's Snack Food Company
CIO

Brent Probasco
R+L Carriers
VP Logistics

Mikki Clancy
Miami Valley Hospital
COO

Bill Harris
Honda of America Mfg.
Unit Manager & Senior Staff Engr

Ben Rhinehart
Crown Equipment
Director of Purchasing & Trade Compliance

Doug Couch
Speedway
VP of IT

Dave Hoskins
CareSource
Director of IT Workflow and Collaboration

Nick Timmerman
Midmark, Manager
Enterprise Infrastructure

Jeff Van Fleet
Lighthouse Technology
President

Jeff Kyler
Siemens PLM Software
Global Account Manager

Diana Tullio
Former CIO of Standard Register
Key Events

59 Events, 2015-16
Young Talent

- The department hosted multiple groups of high school students who are interested in learning more about business majors.

- Both SCM and MIS majors attract young leaders and many choose the Raj Soin College of Business for their higher education.

Community Connection

- Hosted local professional group meetings
- Infrastructure Forum of Technology First, featuring special guest Mr. Craig Woolley, CIO of WSU
- Business Intelligence group meetings
Student Success
Student Club

MIS Club President: Joshua Rowland

SCM Club President: Christeeana Parsons

Welcome Club Officers 2016-17

President: Christeeana Parsons

VP: Tadaejah Allen
Secretary: Chris Watts
Treasurer: Megan Gibson
Event Coordinator: Sam Ford
Public Relations: Zack Money

June 7, 2016
Student Clubs

- The ISSCM Student Clubs hosted and participated in 21 events in the 2015-16 school year
- The two clubs, MIS and SCM are now combined into one club starting Fall 2016
Senior Capstone Projects - SCM

Employee Scheduling

Yousef Alqattan
Sultan Sabti
Noor Alsenan
Craig Koehler *

Country of Origin

Terell Shaw
Jason Barrett
Andrew Jones
Kaydee Davidson *

Analysis of Shipping

William Yokum
Connor Lunsford
Ali Al-Ameer
Clint Backus *

* Team Lead
Senior Capstone Projects - MIS

3D Printing
Nori Acevedo-Marrero *
Mohammed Alissa
Gina Kilbane

Document Mgmt Sys
Fritzgerald Akqabutu
Michael Mashburn
Madison Susey *

Men’s Soccer
Robert Carnicom
Timothy Skrinak *
Joseph Wright-Knapke

Women’s Soccer
Corey Johnson
Jared Van Houten
Bryan Wilson *

Education Website
Ibrahim Almahasin
Victoria Grewe *
Tom Nang’oda
Shaelyn Taylor

Student Talent Database
Mohammed Albarrak
Saeed Alshaikhi
Mathew McKelvey *
Aaron Sorrell

* Team Lead
Award Nominations

- Two student projects were nominated for the Technology First Leadership Award.
- The award recognizes college students or student teams that exhibited excellence while delivering a capstone project.

**Speedway 3-D Printing Project**
- Nori Acevedo-Marrero (team lead)
- Mohammed Alissa
- Gina Kilbane

**WinSupply Business Intelligence Project**
- John McKenzie (Master of Logistics & SCM capstone)

Advisor: Dr. Kevin Duffy

Advisor: Dr. Jim Hamister
Alumni Recognition

- **Mark Anderson**, Director of Web Development and Strategy, Office of Marketing won the **2015 President’s Award for Excellence** in the category of Spirit of Innovation
- Mark was a graduate of the 2008 Master of Information Systems program
Experiential Learning
Mentor Program

- Ten students participated in the 2015-16 Mentor Program
- Each was advised and mentored by an Advisory Board member

- Tadaejah Allen
- Mona Almasoudi
- Robert Carnicom
- Aaron Deckard
- Megan Gibson
- Carleigh Green
- Travis Hoy
- Christeena Parsons
- Joshua Rowland
- Tim Skrinak
Honda

- Honda provided a Civic for students for hands-on learning!
- Managers Monica Oliverio and Bill Harris visited students and spoke in Dr. Jim Hamister’s class.

The Power of Dreams

Tuesday, Oct 13th, 2015
5:30pm Rike Lobby

A Real Honda Civic Si on Campus
Interactive Workshop

Department of Information Systems & Supply Chain Management
Speedway

- Doug Couch and his team delivered an informative and passionate presentation on Speedway.
- Over 150 students participated.
Digital Mixer

- 133 students from three universities
- 25 companies
- The Digital Mixer provided an unique opportunity for networking and career preparation
- Co-organized by the ISSCM Department and Technology First
30 students and faculty visited CareSource on March 8th, 2016

Deep dive in business analytics in healthcare
R&L Carrier

- R&L Hometown Showcase hauler visited campus on April 15th, 2016.
- The hauler features HD video displays, technologically advanced seating simulator, interactive kiosks, and more! Students lined up to play the simulator, apply for scholarship, and seek career opportunities.
UPS

- Flying the $14 million Airbus simulator over Alaska, Pearl Harbor, and Paris!
- 13 students, lead by Dr. Larry Weinstein visited the UPS Worldport Air Hub in Louisville, KY on April 15th. The student club raised $1,140 to fund this trip.
Thank You to Our Industry Partners!

[Logos of various companies]
Curriculum Innovation
Sourcing Industry Group

- The ISSCM Department is now a member of the Sourcing Industry Group’s Student Talent Outreach Program.
- The membership provides our Supply Chain students the opportunities for attending special events, networking with executives, and hiring positions by the Fortune 500 and Global 1000 companies.
- Thanks to board member Mr. Bill Harris and Dr. Jim Hamister for leading this great opportunity!
Certification

- Microsoft Dynamics Student Certificate is now available to students, free of cost.
- Azure platform
- Microsoft Dynamics AX
- Free for students who take MIS 4500 (ERP) and SCM 4250 (Supply Chain IT)
- SAS joint certification in-progress
Business Analytics

- MIS 4300 Business Analytics now offered every Spring semester
- Electives MIS 4600 Geographic Information Systems and MIS 4800 Data Science now available
- Senior MIS capstone projects in Spring 2016 featured Sports Analytics with the WSU soccer teams
- Mark Houston from Capital One visited on November 10, 2015. He spoke in multiple classes and presented the best practices of analytics at Capital One.
- Multiple Tableau workshops were offered to 54 participants in the DAVE lab
- SAS Enterprise Mining software now available
Sports Analytics

- Business Keynote 2015 featured Sports Analytics
- Dr. Dave Schrader delivered the state-of-the-art overview on sports analytics
- A research workshop was held in the DAVE lab to continue the conversation
Business Analytics - What’s Next

- Drs. Kevin Duffy and Anand Jeyaraj lead a task force on the design and development of a new Business Analytics major
- The new major will collaborate with other business majors in the college
- New topics such as Data Visualization are being developed
- Accountancy students will soon receive analytics and big data content starting Fall 2016
- SAS Joint Certification for students is under planning
Pedagogy Innovation

- Our faculty has developed and implemented new pedagogy and instructional design from their own research

**Business Statistics**

Hall, D., Kellar, G., & Weinstein, L. (2016). The Impact of An Activity-Based Learning Environment and Grade Point Average on Student Final Course Grade in An Undergraduate Business Statistics Class, *Academy of Educational Leadership Journal*

**Data Modeling**


**Data Science**

Master Programs
2015-16 Cohort - Master of I.S.
Highlight of Master Cohorts

▶ In January 2016, U.S. News Best Online Programs ranked our two master programs together 59th out of the 91 programs in the nation.

▶ Fall 2015 Cohorts
  ▶ 27 students now studying in the M.IS program
  ▶ 24 students now studying in M.S. LSCM program

▶ Fall 2016 Cohorts
  ▶ We have received 36 application and admitted 19 students (10 in M.IS and 9 in M.S. LSCM)
  ▶ Enrollment is open. Contact donald.hopkins@wright.edu for details.
Companies

Our master students came from the leading companies in the Dayton region such as:

- WPAFB
- WinSupply Inc.
- Taylor Communications
- Henny Penny
- Trimble
- F&P American Mfg
- Greentree Group
- Creative Products
- Lockheed Martin
- Assurant Speciality Property
- LexisNexis
- American Choice Health

- Sygma Networks
- Kock Foods
- Woodforest National Bank (Texas)
- Celina Aluminum Precision Technologies
- Copper & Brass
- Aramark
- Ecowas
- AstraZenecs
- Tyler Technologies
- Air National Guard
- Fidelity
- Gates-Promises Rentals, LLC
Highlight of Master Capstone Project

- **Technology First Emerging Tech Leader Nominee**

- **John McKenzie**, M.S. of Logistics & Supply Chain Management (2015-16)

- WinSupply Business Intelligence Project

  - The project analyses over 35,000 SKUs across 8 distinct suppliers over the course of a trailing twelve months. A reverse cash flow and a 'lite' total cost analysis is performed to determine whether C-and-D inventory items are appropriate for WinSupply regional distribution centers. A unique factor is the WinSupply business model, which is shared equity among the 570+ locations. Therefore, automatic pull by a branch from a DC is not guaranteed.

- **WinSupply**

  - WinSupply Inc. is a leading industrial distributor of wholesale plumbing, PVF, HVACR, electrical, and municipal water works infrastructure products with headquarters in Dayton, Ohio with over 5,000 employees nationwide comprise the $2.7 billion organization.
Highlight of Master Capstone Project

- Master of Information Systems, 2015-16 cohort
- Home Health Management Software System for Americans Choice Healthcare Services
- The team implemented an e-healthcare solution that converts paper-based processes to electronic.
- This new system has brought many benefits to Americans Choice. It has made the agency more organized and efficient in their patients’ intake, scheduling, billing, point of care documentation, filing, storage, and reporting processes. The agency continues to see an increase in revenue resulting from the increased efficiency, an increase in quality caregivers due to the organization the new system has provided and the elimination of multiple administrative positions.
Outstanding Master Students 2014-15

- Outstanding Master of Information Systems Student
  - Jerry Hensley
  - Mr. Jerry Hensley works for Wright State University. His capstone project was on the possibility of providing additional accessibility at the university.

- Outstanding M.S. in Logistics & Supply Chain Management Student
  - Nathan Jackson
  - Mr. Nathan Jackson works for Crown Equipment. His capstone was on the use of returnable packaging for a manufacturing company in its exports to support European product assembly.
Master Programs’ Events

- Lunch and Learn @ Taylor Communications
- Southwest Ohio Logistics Conference
- Technology First Security Conference
- Taste Your Master’s, January and May, 2016
- 6 recruitment meetings at major companies
- CIO Forum at Technology First
- WP AFP Expo in June, 2016
Scholarship & Awards
Scholarship & Awards

Denison Scholarship
Recipient: Megan Walker

Hamister Family Foundation
Recipient: Jason Holloway
Scholarship & Awards

AFCEA Scholarship
Recipient: Megan Brdicka

Dr. Dwight Smith-Daniels Scholarship
Recipient: Christeena Parsons
Scholarship & Awards

Tullio Family Scholarship
Recipient: Megan Gibson

Hopkins Family Scholarship
Recipient: Erin Fannin
Scholarship & Awards

Dr. Coleman Scholarship

Recipient: David Baugham

Outstanding Graduating Senior

Recipients: Victoria Grewe Andrew Jones
Scholarship & Awards

Outstanding Service Award

Recipients:
Kaydee Davidson
Tim Skrinak
Scholarship & Awards

Outstanding Leadership Award

Recipients:
Christeena Parsons
Joshua Rowland

ISSCM Scholarship

Recipients:
Justin Gomez
Tammy Maynard
Sarah Tritle
Faculty Achievement
Awards, Grants & Research Highlight

- Dr. George Polak made a number of research presentations during his Professional Development Leave and visited the Ohio State University, Indiana University, University of Cincinnati, Dartmouth College, and University of Tennessee.

- Dr. Jim Hamister won the Raj Soin College of Business Service Award in 2015.
- Dr. Jim Hamister served on the panel of Business without Borders at the Manufacturing & Distribution Executive Summit on November 5th, 2015.

- Dr. Kevin Duffy won the Raj Soin College of Business Teaching Award in 2015.
- Dr. Kevin Duffy won the competition to participate in the 2016 Active Learning program designed to help developing curricula in an active learning environment.
Awards, Grants & Research Highlight

Dr. Anand Jeyaraj won the 2016 Raj Soin College of Business Outstanding Award in Research

Dr. Daniel Asamoah advised a research project of Scott Duberstein, a CS student that was featured at the 2016 WSU Celebration of Research, Scholarship and Creative Activities:

- Finding Specific, Topic Related Information from a Sea of Social Media Posts

Dr. Amir Zadeh (PI) won a 2016 Research Initiation Grant on the project of Wearable Technology and Data Science for Injury Prevention in Sports, with co-PI Assistant Professor Scott Bruce in Kinesiology & Health.

Dr. Amir Zadeh won the Oklahoma State University’s Graduate Research Excellence Award, a prestigious university award for graduate research at OSU [Link to website](#)
Recent Journal Publications


- **Hall, D., Kellar, G., & Weinstein, L. (2016).** The Impact of An Activity-Based Learning Environment and Grade Point Average on Student Final Course Grade in An Undergraduate Business Statistics Class, *Academy of Educational Leadership Journal (AELJ)*


Conference Presentations

  - Best Research Paper Award


- Ramesh Sharda, **Daniel Asamoah**, **Amir Zadeh** & Pankush Kalgotra (2015). Teaching a Big Data Analytics Class in MIS Programs, Business Analytics Congress, Pre-ICIS, Fort Worth, TX

- **Daniel Asamoah**, Derek Doran & **Shu Schiller** (2015). Teaching the Foundations of Data Science: An Interdisciplinary Approach, Business Analytics Congress, Pre-ICIS
  - Runner-Up for the Best Teaching Paper Award
Conference Presentations

Dr. David Hall presented at the Production and Operations Management Society (POMS) conference in Orlando on May 6th, 2016:

- Market Penalties and Long-Term Operating Performance Impacts of Product Recalls: The Role of Firm Disclosure

- Organizational Learning from Product Recalls: The Role of Firm Disclosure of Quality Failure Sources

Dr. George Polak presented at the Institute for Operations Research and the Management Sciences (INFORMS) conference in Philadelphia on November 1, 2015. And at the POMS conference in Washington, D.C. on May 8th, 2015:

- Category Captain’s Orders: Integrated Optimization Modeling at the Supply Chain’s Fulcrum

- Decision-Making In Portfolio Optimization Using Information Entropy
Faculty Retreat

- The ISSCM faculty participated in a day-long strength-based leadership workshop on Aug. 28th, 2015
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Monday, September 26th, 2016