Inkyu Kim

Accounting and Information Systems
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EDUCATION

Michigan State University   May 2021 (Expected)
   Ph. D. in Information Technology Management

Yonsei University, Seoul, Korea   June 2016
   M.S. in Management Information Systems

Michigan State University   December 2013
   B.A. in Supply Chain Management

RESEARCH INTERESTS

Sharing Economy	Electronic Medical Records
Economics of Information Systems	Sequence Analysis
Business Analytics	Affordance Network
Text Mining	Organizational Routines

JOURNAL PUBLICATIONS

1. Wolf, J. R., Xie, Y., Kim, I., Pentland, A. P., Frank, K., & Pentland, B. T. (2019). 619 Team Documentation Influences Clinic Complexity and Patient Satisfaction. *Journal of Investigative Dermatology*, *139*(5), S106.

CONFERENCE PROCEEDING AND PRESENTATIONS

1. Kim, I., Guo, C., & Susarla, A. "The Impact of Crime on the Sharing Economy: A Spatial Analysis," *INFORMS 2019 Annual Meeting*, Seattle, WA. (Planned)

2. Kim, I., Pentland, B.T., Wolf, J.R., Xie, Y., Frank, K., & Pentland, A.P. "Effect of Attribute Alignment on Action Sequence Variability: Evidence from Electronic Medical Records" *BPM Forum 2019,* Vienna, Austria

3. Pentland, B.T., Wolf, J.R., Xie, Y., Kim, I., Frank, K., & Pentland, A.P. "Visualizing Clinical Routines: What Can We See with Digital Trace Data" *PROS 2019,* Crete, Greece

4. Kim, I., Guo, C., & Susarla, A. "Natural Language Processing on Online Community Forums to Predict New Product Development Efforts: A Research Framework", *DSI 2018 Annual Meeting,* Chicago, IL

5. Pentland, B., Recker, J., & Kim, I. "Capturing Reality in Flight? Empirical Tools for Strong Process Theory"*, 38th International Conference on Information Systems (ICIS) 2017*, Seoul, Korea

WORKING PAPERS

1. **"Affordance Networks: Towards a Relational Theory of Technology and Organizing"** with Pentland, B.T., Jan, R., & You., Y., Preparing for submitting to *Organization Science*

2. **"The Impact of Crime on the Sharing Economy: A Spatial Analysis"** with Guo, C. and Susarla, A., Preparing for submitting to *Information Systems Research*

3. **"Antecedents of Complexity in Healthcare Routines: Evidence from the EMR Audit Trail"** – with Pentland, B.T., Wolf, J., Xie, Y., Frank, K., Pentland, A.P., Data Analysis in Progress

4. **"A Natural Language Processing Framework to Predict New Product Ideation from Online Community Forums"** with Guo, C. and Susarla, A., Data Analysis in Progress

TEACHING INTERESTS

Business Intelligence & Analytics
Data/Text Mining
Data Visualization
Database Management

Social Media Analytics
Business Process Modeling
Sequence Analysis
Management Information Systems

TEACHING EXPERIENCE

Instructor, Michigan State University
Overall Rating: **4.1** (Summer 2019), and **4.1** (Summer 2018) out of 5.0

Introduction to Business Information Systems (Undergraduate Core)	Summer 2019
Introduction to Business Information Systems (Undergraduate Core)	Summer 2018

Teaching Assistant, Michigan State University   Spring 2017 – Spring 2018
Introduction to Business Information Systems (Undergraduate Core)
Recitation Lecturer
Overall Rating: **4.2** (Spring 2018), **4.3** (Fall 2017), and **4.3** (Spring 2017) out of 5.0
- Business Process Modeling (Arena Simulation Software)
- Data Visualization (Microsoft Tableau)
- Database Management (Microsoft Access)

Introduction to Business Analytics (Undergraduate Level)   Spring 2019
Lab Assistant
- Data Visualization (Microsoft Tableau)
- Data Analytics (R)
- Database Management (SQL)
- Social Network Analysis (Gephi)
- Web Crawling and Text Mining (Python)

Data Management and Visualization (graduate Level)   Spring 2019
Lab Assistant
- Data Visualization (Microsoft Tableau)
- Data Analytics (R)
- Database Management (SQL)
- Social Network Analysis (Gephi)
- Web Crawling and Text Mining (Python)

Teaching Assistant Coordinator, **Michigan State University**
Introduction to Business Information Systems (Undergraduate Core)   Fall 2017 – Fall 2018

- Developed Recitation Materials
- Managed 8 TAs workload (20 sections with over 1,000 students)

Course Assistant, **Yonsei University**
Big Data Business Model (MBA Core Course)   Fall 2015 – Spring 2016
- Developed and Graded Assignments

WORK EXPERIENCE

Graduate Assistant, Michigan State University   Fall 2016–Present

Graduate Assistant, Yonsei University   August 2014 – June 2016

HONORS AND AWARDS

Ph.D. Student Excellence in Teaching Department of Accounting and Information Systems, Michigan State University, 2018

Doctoral Fellowship, Department of Accounting and Information Systems, Michigan State University, 2016 – Present

SERVICES

Reviewer Processor, *International Conference on Information Systems* (ICIS)   2017, 2019
European Conference on Information Systems (ECIS)   2017

SKILLS

Programming Languages: Python
Database Management: MySQL, Microsoft Access
Data Analysis Tools: R, MATLAB, Stata, SmartPLS, SPSS, Tableau, Arena Simulation, Weka, GePhi
Documentation Tools: R Markdown, LaTeX

GRADUATE COURSES

Information Systems Core Coursework
Ph.D. Seminar in Information Systems	Dr. Brian Pentland
Ph.D. Seminar in Economic-Based Research	Dr. Ranjani Krishnan
Ph.D. Seminar in Empirical Methods for Information Systems	Dr. Chenhui Guo
Ph.D. Seminar in Network Analysis	Dr. Anjana Susarla

Methodology Coursework
Data Mining	Dr. Fatme El-Moukaddem
Computational Techniques for Large-Scale Data Analysis	Dr. Arend Hintze
Pattern Recognition and Analysis	Dr. Arun Ross
Organizational Research Methods	Dr. John Hollenbeck
Simulation Methods	Dr. Stanley Griffis
Mathematical Applications in Economics	Dr. John Hoehn
Microeconomic Analysis	Dr. John Hoehn
Quantitative Methods	Dr. Leah Lakdawala
Probability and Statistics for Econometrics	Dr. Jeffrey Wooldridge
Introduction to Econometrics	Dr. Peter Schmidt
Cross Section Econometrics	Dr. Jeffrey Wooldridge

CONFERENCES ATTENDANCES

2019   INFORMS Annual Meeting 2019, Seattle, WA (Planned)
        CIST 2019, Seattle, WA (Planned)
2018   Association for Education in Journalism and Mass Communication (AEJMC) Annual Conference
        2015, San Francisco, CA
        American Academy of Advertising (AAA) 2015, Chicago, IL
2017   ICIS 2017, Seoul, Korea (Planned)
        NFORMS Annual Meeting 2017, Houston TX
        AMCIS 2017, Boston, MA

REFERENCES

Dr. Brian T. Pentland (Dissertation Committee Chair)

The Main Street Capital Intellectual Capital Endowed Professor of Information Systems
Director of Center for Business and Social Analytics
Department of Accounting and Information Systems
Eli Broad College of Business
Michigan State University
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Dr. Anjana Susarla

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Dr. (Julian) Chenhui Guo

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