Yu-Kai Lin

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Employment

2017–Present	Assistant Professor	Georgia State University, Robinson College of Business	Atlanta, GA
2015–2017	Assistant Professor	Florida State University, College of Business	Tallahassee, FL
2010–2015	Research Associate	University of Arizona, Artificial Intelligence Lab	Tucson, AZ
2008–2010	Research Assistant	National Tsing Hua University	Hsinchu, Taiwan

Education

Ph.D.   Eller College of Management, Department of Management Information Systems
University of Arizona, 2015
Major: Management Information Systems
Minor: Economics
Dissertation Title: Health Analytics and Predictive Modeling: Four Essays on Health Informatics
Dissertation Committee: Hsinchun Chen (chair), Paulo Goes, Mingfeng Lin

M.B.A.   College of Technology Management, Institute of Technology Management
National Tsing Hua University, 2006

B.B.A.   College of Business, Department of Information Management
Chung Yuan Christian University, 2004

Research

- **Domains**: Digital Health, Business Intelligence and Analytics
- **Methods**: Econometric Modeling, Machine Learning

Peer-reviewed Journal Publications

1. Yu-Kai Lin, Mingfeng Lin, and Hsinchun Chen. (2018) "Do Electronic Health Records Affect Quality of Care? Evidence from the HITECH Act," *Information Systems Research* (Forthcoming).
2. Yu-Kai Lin, Hsinchun Chen, Randall Brown, and Shu-Hsing Li. (2017) "Healthcare Predictive Analytics for Risk Profiling in Chronic Care: A Bayesian Multitask Learning Approach," *MIS Quarterly* (41:2), pp. 473-495.
3. Yu-Kai Lin, Hsinchun Chen, Randall A Brown, Shu-Hsing Li, and Hung-Jen Yang. (2014) "Time-to-Event Predictive Modeling for Chronic Conditions Using Electronic Health Records," IEEE Intelligent Systems (29:3), pp. 14-20.
4. Yu-Kai Lin, Hsinchun Chen, and Randall A. Brown. (2013) "MedTime: A Temporal Information Extraction System for Clinical Narratives," *Journal of Biomedical Informatics* (46, Supplement).

5. Yu-Kai Lin, Randall A. Brown, Hung Jen Yang, Shu-Hsing Li, Hsin-Min Lu, and Hsinchun Chen. (2011) "Data Mining Large-Scale Electronic Health Records for Clinical Support," *IEEE Intelligent Systems* (26:5).

Work in Progress and Working Papers

1. "*Open Source Strategies and New Venture Performance*" with Likoebe Maruping
2. "*Information Hiding on Crowdfunding Platforms*" with Arun Rai and Yukun Yang
3. "*First, Do No Harm: Predictive Analytics to Reduce In-Hospital Adverse Events*" with Xiao Fang
4. "*To Join or To Take Over: External Corporate Ventures and the Choice between Investment and Acquisition in the IT Industry*" with Mingfeng Lin and Xinlin Tang

Conference Papers and Presentations

1. First, Do No Harm: Predictive Analytics for Risks of In-Hospital Adverse Events (with Xiao Fang); *The 2017 INFORMS Data Science Workshop (DS 2017)*
2. Differentiating the Impacts of Adoption and Use on Organizational Performance: The Case of Electronic Health Records (with Mingfeng Lin and Hsinchun Chen); *The 2017 Winter Conference on Business Analytics (WCBA 2017)*
3. Healthcare Predictive Analytics for Risk Profiling in Chronic Care: A Bayesian Multitask Learning Approach (with Hsinchun Chen, Randall Brown, Shu-Hsing Li, and Hung-Jen Yang); *The 2017 Winter Conference on Business Analytics (WCBA 2017)*
4. To Join or To Take Over: External Corporate Ventures and the Choice between Investment and Acquisition in the IT Industry (with Mingfeng Lin and Xinlin Tang); *The 2016 Workshop on Information Systems Economics (WISE 2016)*
5. Bayesian Multi-Task Learning for Risk Profiling in Chronic Care (with Hsinchun Chen, Randall Brown, Shu-Hsing Li, and Hung-Jen Yang); *The 2015 INFORMS Healthcare Conference*
6. Beyond Adoption: Does Meaningful Use of EHR Improve Quality of Care? (with Mingfeng Lin and Hsinchun Chen); *The 2014 Workshop on Information Systems Economics (WISE 2014)*
7. Healthcare Analytics and Clinical Intelligence: A Risk Prediction Framework for Chronic Care (with Hsinchun Chen, Randall Brown, Shu-Hsing Li, and Hung-Jen Yang); *The 2014 Workshop on Information Technologies and Systems (WITS 2014)*. **Nominated for Best Paper Award**
8. Predictive Analytics for Chronic Care: A Time-to-Event Modeling Framework using Electronic Health Records (with Hsinchun Chen, Randall Brown, Shu-Hsing Li, and Hung-Jen Yang); *The 2014 INFORMS Conference on Information Systems and Technology (CIST 2014)*
9. Beyond Adoption: Does Meaningful Use of EHR Improve Quality of Care? (with Mingfeng Lin and Hsinchun Chen); *The 2014 INFORMS Conference on Information Systems and Technology (CIST 2014)*
10. Beyond Adoption: Does Meaningful Use of EHR Improve Quality of Care? (with Mingfeng Lin and Hsinchun Chen); *The 5th Annual Workshop on Health IT and Economics (WHITE 2014)*
11. MedTime: A Temporal Information Extraction System for Clinical Narratives (with Randall A. Brown, and Hsinchun Chen); *The 2012 i2b2 Workshop*
12. Automatic Learning of A Supervised Classifier for Patent Prior Art Retrieval (with Hung-Chen Chen, Chih-Ping Wei, and Chin-Sheng Yang); *The 2010 Pacific Asia Conference on Information Systems (PACIS 2010)*
13. Exploiting Item Heterogeneity for Collaborative Filtering Recommendation (with Hung-Chen Chen, Chih-Ping Wei, and Ying-Siou Dai); *The 4th China Summer Workshop on Information Management (CSWIM 2010)*
14. Deriving Technology Roadmaps with Tech Mining Techniques (with Fu-Ren Lin, Chih-Ping Wei, and Yu-Liang Shyu); *The 2008 Pacific Asia Conference on Information Systems (PACIS 2008)*

Awards, Honors and Grants

- First Year Assistant Professor Award: *Innovation and Entrepreneurship in Digital Health* ($20,000), Florida State University, 2016
- Planning Grant: *Understanding the Impacts of Information Technology and Business Analytics in Healthcare* ($13,000; with Xinlin Tang), Florida State University, 2015
- The Wharton Customer Analytics Initiative (WCAI) Research Opportunity, 2015
- Best paper nomination, Workshop on Information Technology and Systems (WITS), 2014
- Selected participant, the Americas Conference on Information Systems (AMCIS) Doctoral Consortium, 2014

Service Activities

Professional Service Activities

- *Ad-hoc Reviewer (Journal)*
    - Management Information Systems Quarterly (MISQ)
    - Information Systems Research (ISR)
    - Journal of Management Information Systems (JMIS)
    - ACM Transactions on Management Information Systems (TMIS)
    - Decision Sciences
    - Information & Management
    - Artificial Intelligence in Medicine
    - IEEE Intelligent Systems
    - Journal of the Association for Information Science and Technology (JASIST)
- *Ad-hoc Reviewer (Conference)*
    - ICIS: International Conference on Information Systems, 2014, 2015, 2016
    - CIST: Conference on Information Systems and Technology, 2014, 2015, 2016
    - ECIS: European Conference on Information Systems, 2016, 2017
    - AMCIS: The Americas Conference on Information Systems, 2015
    - PACIS: Pacific Asia Conference on Information Systems, 2014, 2016
    - AMIA: American Medical Informatics Association Annual Symposium, 2014
- *Associate Editor / Program Committee (Conference)*
    - INFORMS Conference on Data Science, 2017
    - International Conference for Smart Health, 2017
    - WITS: Workshop on Information Technologies and Systems, 2014, 2016
    - PACIS: Pacific Asia Conference on Information Systems, 2016

Service Activities Internal to the University

- *College-Level Service*
    - Member, Analytics Pathway Task Force for MBA Course Redesign (2018)
- *Department-Level Service*
    - Faculty Advisor, GSU Student Chapter of the Association of Information Technology Professionals (2018)

Teaching Experience

Georgia State University

CIS 4730: Unstructured Data Management (Undergraduate)	Fall 2017 - Spring 2018
CIS 8040: Fundamentals of Database Management Systems (Graduate)	Fall 2017

Florida State University

ISM 4117: Business Intelligence (Undergraduate)　Fall 2015 - Spring 2017

University of Arizona

Summer 2014　MIS 373: Basic Operations Management (Undergraduate; Overall rating: 4.3/5.0)

Professional Membership

- Association for Information Systems (AIS)
- Institute for Operations Research and Management Sciences (INFORMS)

Technical Skills and Familiarity

- **Programming Language**: C, C++, JAVA, Python, R, SQL
- **Databases**: Access, MySQL, Oracle, PostgreSQL, CouchDB, MongoDB
- **Operating Systems**: Windows, Linux