

James M. Locke

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POSITIONS HELD

Visiting Professor Auburn University at Montgomery
Fall 2021 to present Department of Information Systems

Department Chair Auburn University at Montgomery
July 1 to July 30 Department of Information Systems

EDUCATION

Ph.D. 2021 Management Information Systems, Auburn University
Department of Systems & Technology
Activation Functions as Parameters for Improved Deep Learning

M.S. 2016 Management Information Systems, Auburn University
Department of Systems & Technology

B.A. 1989 Economics, Auburn University

OTHER EDUCATION

O.P.M. 2001 Harvard Graduate School of Business Administration

RESEARCH

Conferences 2019 ICIS, San Francisco, California
2020 ICIS, Virtual
2024 HICSS, Honolulu, Hawaii

Journal manuscripts accepted

Mitigating bias through random activation function selection. Neural Computing and Applications, 2024. James Locke, David Paradice, RK Rainer

Mentored manuscripts

Real-time Object Detection: Achieving High Accuracy in Detecting Intruders in Video Streams using YOLO v7 and Convolutional Neural Networks. AUM Digital Archives. James Locke and Duc Minh Tran

Conference manuscripts accepted

Using Agile Methods for Course and Curriculum Development in Higher Education. ISCAP 2024. Benjamin Larson, Jeffrey Bohler, Cali M. Davis, Anand Krishnamoorthy, James Locke

Teaching Artificial Intelligence and Machine Learning to Everyone Else. HICSS 2024. James Locke, RK Rainer

Neural Network Fraud Detection Dilemma: The Curious Role of Activation Functions. 2018 Pre-ICIS SIGDSA Symposium. James Locke, Jay Claiborne

Convolutional Neural Networks to Mitigate Transit Crowd Impacts. 2018 Pre-ICIS SIGDSA Symposium. Jay Claiborne, James Locke

Activation Functions as Parameters. 2020 Pre-ICIS SIGDSA Symposium (virtual), James Locke

Manuscripts submitted

Digital Content and Physical World: The Diversity in User Perception of Mobile Augmented Reality Apps for Online Shopping. Journal of Management Information Systems. Joonghee Lee, James Locke, Pei Xu. First submission

The Formation of Attitude Towards Shopping in Augmented Reality: A Dual Process Approach. AMCIS 2018. Joonghee Lee, Pei Xu, James Locke. First submission.

Spatial Ability: A Moderator for Mobile Augmented Reality Usability in eCommerce? AMCIS 2018. James Locke, Pei Xu, Joonghee Lee. First submission (retracted at request of department).

Manuscripts completed, not yet submitted

Spatial Rotational Ability and Technology Self-efficacy: Moderators and Mediators for Mobile Augmented Reality App Adoption. James Locke, 2023.

User Sentiment as Retail Giants Walmart and Amazon Compete with Mobile Apps on Porter's Playing Field. James Locke, 2023.

Manuscripts in progress

Case Method Pedagogy in the Undergraduate MIS Introductory Course. Communications of the AIS (anticipated). James Locke, 2024.

Manuscripts in research

Decisions along the curve: The manager's derivative. James Locke, 2024.

Sampling versus Stereotyping: Logical Equivalents?. James Locke, 2024.

TEACHING

Auburn University

ISMN 2140/3140 Introduction to Management Information Systems 2 Sem. Hrs.

ISMN 5370/6370 Project Management 3 Sem. Hrs.

BUAL 2600 Business Analytics I 3 Sem. Hrs.

BUAL 5860 Communicating Quantitative Results in Business 3 Sem. Hrs.
(Capstone analytics course)

Auburn University at Montgomery

QMTD 2740 Business Statistics I

QMTD 2750 Business Statistics II

MNGT 3380 Management Organizational Behavior

INFO 2030 Introduction to Artificial Intelligence

INFO 3070 Management Systems, Technology and Data

INFO 3700 Data Communications

INFO 3850 Machine Learning and AI

INFO 4970 Special Problems/Deep Learning

INFO 6410 Information Security

INFO 6500 Machine Learning

INFO 6550 Deep Learning

INFO 6790 Innovation Strategy

INFO 6900 Independent Study

INFO 6924 Internship in Information Systems

INFO 6990 Information Systems Thesis

Textbooks

Artificial Intelligence. Chapter contribution to Introduction to Information Systems, 9th Ed., R. Kelly Rainer.

Machine Learning and AI. (Working title). Non-computer science textbook, collaboration with R. Kelly Rainer, accepted for publication by Wiley.

Teaching Cases Written

Organik Lips. James Locke, 2015.

Compos-it & Gulfstream. James Locke, 2015.

Carnock Construction. James Locke, 2015.

EAGLEsport Racing. James Locke, with HBS, 2015.

RR Donneley & Sons. James Locke, with HBS, 2015.

Calyx & Corolla. James Locke, with HBS, 2015.

Disney's Billion Dollar Bet. James Locke, 2017.

Gnosis. James Locke, 2017.

Miniscule. James Locke, 2017.

Simply Southern. James Locke, 2017.

Civil Air Patrol – Innovation versus Command. James Locke, 2018.

Hilbern University. James Locke, 2018.

Sovereign Systems. James Locke, 2018.

Aiva Technologies – Controversy in Creative AI. James Locke, 2019.