

**David S. Ang, PhD**  
Auburn University Montgomery  
Dept. of Information Systems  
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## Experience

**2022 – Present**

***Professor of Information Systems, Auburn University Montgomery (AUM)***

**2014 – 2022**

***Department of Head & Professor of Information Systems***

*Ensure academic activities and resources align with the mission of the College of Business & University. Enhancing academic quality as well as student success. Managed department budget. Managed faculty recruitment. Managed faculty evaluations. Curriculum Innovation and Development.*

### **Key Accomplishments**

- ***HBUE & AUM BSBA IS Collaboration Degree Program Initiator and Coordinator.***  
*A degree program that involves collaboration between Hubei University of Economics (HBUE) and AUM to offer BSBA IS degree (2+2 BSBA IS degree program).*
- ***AUM MS MIS Degree SAP University Alliances Program Founder and Coordinator.***
  - *A successful SAP curriculum was developed and approved by SAP University Alliances.*
  - *Developed and offered MS MIS SAP ERP option degree program.*
  - *Developed and offered MS MIS SAP Business Analytics degree program.*
  - *Developed and Offered SAP Certified ERP and Business Analytics courses.*
- ***AUM MS MIS Online Degree Program Founder and Coordinator.***
  - *A successful fully online MS MIS degree program curriculum was developed and approved by University and SACSCOC.*
  - *Created a comprehensive quality assurance online degree program courses with the Department of Distance Learning at the AUM to certify all online courses as quality matter certified.*
- ***AUM COB Joint Undergraduate Graduate Program Coordinator.***
  - *Initiated the program and developed the curriculum to allow undergraduate students to study at the graduate level. By taking graduate courses your senior year.*
  - *To recruit AUM students to enroll in MS MIS degree program by reducing the time taken to get a graduate degree.*
- ***Alabama Consortium for Technology in Education (ACTE) Statewide Tech Fair Organizer (2014 – 2020)***
  - *A yearly event to promote technology competitions in Grades 3-12 across the state of Alabama.*
  - *Jointly organize Annual ACTE Statewide Technology Competition with Alabama Consortium Technology Education on AUM campus for School Children ranging from Grades 3-12 to compete in different computer technology competition categories.*
  - *Approximately 1100-1300 students and parents attended the event each year at AUM. During the event, AUM promoted itself and recruited students for both its College of Business and Department of Information Systems.*

**2014**

***Interim Department Head, Department of Business Administration***

**2009 – 2014**

**Professor of Information Systems, Auburn University at Montgomery.**

**1997 – 2009**

**Associate Professor of Information Systems, Auburn University at Montgomery.**

**1992 – 1997**

**Assistant Professor of Information Systems, Auburn University at Montgomery.**

## **Education**

Ph D, The University of Alabama in Huntsville, 1991.

Major: Industrial & Systems Engineering

Dissertation Title: An Expert System Economic Assessment Model for Manufacturing Cell Formation In Group Technology

MS, The University of Alabama in Huntsville, 1987.

Major: Systems Engineering

BS, Ohio University, 1985.

Major: Civil Engineering

## **RESEARCH**

### **Book**

Sahinoglu, M., Ang, D. S., Morton, S. (2016). *Quantitative Risk Assessment & Management Metrics for Airport Services* (pp. 92). Saarbrücken: LAP LAMBERT Academic Publishing.  
<https://www.amazon.com/Quantitative-Assessment-Management-Metrics-Services/dp/3330017716>

### **Refereed Journal Articles**

Marwan, R., El Badawy, T., Ingram, R., Ang, D. S. Public Policy and Society, The Case for Changing Smoking Behavior in the United States. *International Journal of Public Law and Policy* (Forthcoming).

Ang, D. S., Edo, O. C., Etu, E., Tenebe, I., Edo, S. (2024). Why do healthcare workers adopt digital health technologies - A cross-sectional study integrating the TAM and UTAUT model in a developing economy. *International Journal of Information Management Data Insights*, 3(2).  
<https://www.sciencedirect.com/science/article/pii/S2667096823000332?via%3Dihub>

Ang, D. S., Edo, O. C., Billakota, P., Ho, J. (2024). A zero trust architecture for health information systems. *Springer Berlin Heidelberg*, 14(1), 189-199.  
<https://link.springer.com/article/10.1007/s12553-023-00809-4>

Ang, D. S., Ho, J., Noblitt, M., Satiago, S. (2023). Motivations for sustainable packaging in green supply chain management. *international journal of business research and information technology*, 9(1), 1 - 10. <https://www.iabpad.com/motivations-for-sustainable-packaging-in-green-supply-chain-management/>

- Ang, D. S., Ho, J. C., Noblitt, J. M., Checa, J., O'Neil Satiago, S. (2023). Motivations for sustainable packaging in green supply chain management. *Academy of Business and Public Administration Disciplines*, 9(1). <https://www.iabpad.com/journals/international-journal-of-business-research-and-information-technology-2/>
- Ang, D. S., Edo, O. C. (2022). Healthcare information system: A public healthcare facility framework. *International of Health Sciences*, 6(S2). <https://sciencescholar.us/journal/index.php/ijhs/article/view/9002>
- Kim, J., Ang, D., Kim, G.-h. (2021). Empirical Validation of Personal and Situational Traits in Usage of Transactional e-Government Services. *International Journal of Business and Applied Social Science*, 7(6), 47-60.
- Ang, D. S., Kim, J., Ho, J. (2020). CMS Grouping Process on Bottleneck Parts and Machines Issues: A Review. *Journal of Critical Reviews*, 7(19), 3256-3261. <https://www.scopus.com/sourceid/21100920227>
- Sahinoglu, M. S., Ang, D., Morton, S., Vasudev, P., Kramer, W. (2016). Quantitative Metrics to Assess and Manage Business Contracting Risk Using Risk-O-Meter Software. *International Journal of Business and Information*, 11(1), 26. <https://ijbi.org/ijbi/article/view/146>
- Kramer, W., Sahinoglu, M., Ang, D. S. (2015). Increase Return on Investment of Software Development Life Cycle by Managing the Risk. *Defense Acquisition Research Journal*, 22(73), 174-191.
- Ho, J., Ang, D. S., Lopez, F. (2015). TEACHING AGGREGATE PLANNING IN OPERATIONS MANAGEMENT. *The Coastal Business Journal*, 14(1), 42-61.
- Ang, D. S., Khadanga, D., Johnny, H. (2014). Reflections on Hybrid Production Layouts. *World Journal of Social Sciences*, 4(2), 107-113. <http://www.wjsspapers.com/static/documents/July/2014/10.%20David.pdf>
- Ho, J., Ang, D. S., Tseng, T.-L. (2014). PLAYING THE LOTTERY GAMES? *The Coastal Business Journal*, 14(1), 48-62.
- Sahinoglu, M., Ang, D. S., Cueva-Parra, L. (2012). Game-theoretic computing in risk analysis. *Wiley Interdisciplinary Reviews: Computational Statistics*, 4(3), 227-339. <http://onlinelibrary.wiley.com/doi/10.1002/wics.v4.3/issuetoc>
- Ang, D. S., Griffin, III, T. F., Goodson, J. R. (2010). ENTERPRISE SYSTEMS EDUCATION COMPETING THROUGH SUPPLY CHAIN MANAGEMENT. *Contemporary Management Research / CMR*, 6(1), 1-10. [cmr.atissr.org](http://cmr.atissr.org)
- Ho, J., Ang, D. S., Shalishali, M., Tseng, T.-L. (2009). Opportunities in Green Supply Chain Management. *The Coastal Business Journal*, 8(1), 18-31.
- Ang, D. S., Griffin, III, T. F. (2008). Supply Chain Management for Higher Education. *The Business Review, Cambridge*, 11(2), 28-33. [www.jaabc.com](http://www.jaabc.com)
- Griffin, III, T. F., Ang, D. S., Lucy-Bouler, T., Gehling, R. G., Davidson, N. W. (2006). Design and Analysis of Software Experiments. *Software Quality Professional*, 9(1), 16-20. [www.asq.org/pub/sqp/](http://www.asq.org/pub/sqp/)
- Griffin, III, T. F., Ang, D. S., Lucy-Bouler, T. Design for Software Experiments. *International Journal of Operations and Quantitative Management, College of Business, Prairie View A&M University*. [www.ijqom.org/default.htm](http://www.ijqom.org/default.htm)
- Griffin, III, T. F., Ang, D. S., Lucy-Bouler, T. Design for Software Experiments. *International Journal of Operations and Quantitative Management, College of Business, Prairie View A&M University*. [www.ijqom.org/default.htm](http://www.ijqom.org/default.htm)

- Ang, D. S. Supply Chain Management: An Effective Strategy to Maintain Currency of Information Technology Curricula.
- Ang, D. S. (2000). An Algorithm for Handling Exceptional Element in Cellular Manufacturing Systems. *Industrial Management & Data Systems*, 100(6), 251-254.
- Ang, D. S., Hegji, C. (2000). The Cost-Weighted Commonality Score: An Efficient Algorithm for Machine Grouping. *Journal of Engineering Valuation and Cost Analysis*, 3, 251-254.
- Ang, D. S., Budden, M. C. (1999). A Review of The State-of The-art in Exceptional Element Solutions in Cellular Manufacturing. *Southern Business Review*, 24(2), 1-10.
- Ang, D. S. (1998). Difficulties Associated with Detecting Randomness Using Runs Tests. *Alabama Journal of Mathematics*, 22(1), 20-29.
- Ang, D. S. (1998). Identification of Part Families and Bottleneck Parts in Cellular Manufacturing. *Industrial Management and Data Systems*, 1(1), 20-29.
- Ang, D. S., Budden, M. C. (1998). Trade Secrets Protection: The Missing Ingredient In A Production Operations Management Education. *Journal of Business and Management*, 5(3), 50-64.
- Ang, D. S., Hegji, C. E. (1997). An Algorithm for Part Families identification In Cellular Manufacturing. *International Journal of Materials and Product Technology*, 12(4), 320-328.
- Ang, D. S., Hegji, C. E. (1997). Quality Costs and Profits. *Southern Business Review*, 23(2), 1-10.

#### Refereed Conference Proceedings

- Ang, D. S., Nagineni, K. (2024). *Healthcare Data Handling with Machine Learning Systems: A Framework* (pp. 1331-1334). IEEE. <https://ieeexplore.ieee.org/document/10487630>
- Ho, J., Malherbe, M., Tabares, L., Ang, D. S. (2024). *Increasing project efficiencies by avoiding crashing*. Boston, MA: Northeast DSI. <https://nedsi.decisionsciences.org/conference/>
- Ang, D. S., Edo, O. C. International Conference on Global Business, Economics, Finance & Social Sciences, Research Society, Las Vegas, NV, "Healthcare Information System: A Public Healthcare Facility Framework", Academic, International, April 14, 2022
- Ang, D., Kim, J., Ho, J. (2020). *CMS Grouping Process on Bottleneck Parts and Machines Issues: A Review*. Lisbon: 22nd LISBON International Conference on Economics, Literature, Languages, and Social Sciences (ELLSS-20).
- Kim, J., Ang, D. (2018). In GAICS Review Committee (Ed.), *Risk-Trust Analysis of Citizens' e-Government Service Usage: The Case in South Korea* (pp. 18-34). Tokyo: 2018 International Conference On Industry, Business, and Social Sciences. [ibss2018.gaics.org/site/mypage.aspx?pid=12&lang=en&sid=1194](http://ibss2018.gaics.org/site/mypage.aspx?pid=12&lang=en&sid=1194)
- Ang, D., Hung, T.-W. (2017). (1st ed., vol. 6, pp. 606). Kyoto: 2017 International Symposium on Business and Management.
- Sahinoglu, M., Ang, D., Marghitu, D., Stockton, S. (2016). *Monte Carlo Simulation-Based Studies of Operational Variations for Onshore- Land and Offshore-Maritime Oil-Drilling Rigs to Assess and Manage Oil-Spill Risk* (02nd ed., vol. 13, pp. 185). Nagoya: 2016 International Conference on Business and Information.
- Sahinoglu, M., Ang, D., Morton, S., Vasudev, P. (2016). *Quantitative Metrics for Airport Services Satisfaction Risk Assessment and Management with Risk-0-Meter Software* (vol. 1, pp. 68-75). Taipei: 2016 Taiwan International Conference on Innovation and Management.

- He, X., Holifield, F., Ang, D. (2015). *Mobile Apps: Characteristics, Demand and Supply, and Value Creation*. In Proceedings of the 2015 Annual Meeting Decision Sciences Institute.
- Ang, D., Ho, J. (2015). *Understanding of Workers Grouping in Group Technology* (pp. 1241). Macau: 2015 International Conference on Business and Information.
- Sahinoglu, M., Ang, D., Morton, S., Vasudev, P., Kramer, W. (2015). *Quantitative Metrics to Assess and Manage Business Contracting Risk Using Risk-O-Meter Software* (pp. 1-21). Kuala Lumpur: 2015 International Symposium on Business and Management.
- Sahinoglu, M. S., Kramer, W., Ang, D. (2014). *How to Increase the ROI of a Software Development Lifecycle by Managing the Risk using Monte Carlo and Discrete Event Simulation - A Case Study* (pp. 3126-3135). Osaka: 2014 International Conference on Business and Information.
- Sahinoglu, M., Krammer, W., Ang, D. (2014). *How to increase the ROI of software development lifecycle by managing the risk using Monte Carlo and discrete event simulation - A Case Study* (pp. 10). Taipei: International Business Academics Consortium.
- Ang, D., Ho, J. (2014). In Prof. dr Jiri Strouhal (Ed.), *Handling of Bottleneck Machines Parts: A Strategic Approach* (pp. 111-114). Kuala Lumpur: International Conference on Business, Sociology and Applied Sciences (ICBSAS'14).
- Ang, D., Ho, J. (2014). *Handling of Bottleneck Machines Parts: A Strategic Approach* (pp. 3126-3135). Proceedings of International Conference on Business, Sociology and Applied Sciences (ICBSAS'14). [dx.doi.org/10.15242/ICEHM.ED0314547](https://doi.org/10.15242/ICEHM.ED0314547) 109
- Ang, D. S., Khadanga, D., Sahinoglu, M. (2013). *Organizational Competitive Principles in Cellular Manufacturing* (1st ed., vol. 10, pp. F235-F239). Bali, Indonesia: Proceedings of International Conference On Business And Information. [ibac-conference.org](http://ibac-conference.org)
- Ang, D. S., Khadanga, D., Ho, J. (2013). *Reflections on Hybrid Production Layouts*. Beijing, China: Proceedings of 7th Global Business and Social Science Research Conference. [www.wbiworldconpro.com](http://www.wbiworldconpro.com)
- Ho, J., Ang, D. S., Tseng, T.-L. (2012). *TEACHING AGGREGATE PLANNING IN AN OPERATIONS MANAGEMENT COURSE* (pp. 452-460). 2012 Southeastern INFORMS Conference Proceedings.
- Sahinoglu, M., Akkaya, A. D., Ang, D. S. (2012). *Can We Assess and Monitor Privacy and Security Risk for* (vol. 57, pp. 163-169). Elsevier Procedia Social and Behavioral Sciences. [www.sciencedirect.com](http://www.sciencedirect.com)
- Ang, D. S., Sahinoglu, M. (2012). *Achieving Educational Learning Objectives through Innovative Production Management Systems* (pp. F438-441). Sapporo: Business and Information 2012. [bai-conference.org](http://bai-conference.org)
- Ang, D. S. (2011). In Eldon Li (Ed.), *Exceptional Elements Framework in Group Technology* (1539-1191 ed., pp. 559-564). The Grand Hotel, Taipei: The 11th International Conference of Decision Sciences Institute and The 16th Annual Conference of Asia-Pacific Decision Sciences Institute.
- Ang, D. S. (2011). In Wenchang Fang (Ed.), *The Handling of Bottleneck Machines and Parts in Cellular Manufacturing* (1st ed., vol. 8, pp. 312-318). Bangkok, Thailand: International Conference on Business and Information 2011.
- Ang, D. S. (2010). *Quality Management Implementation Key Factors Identification for Local Industries*. Kitakyushu: International Conference on Business and Information.

Ang, D. S., Griffin, III, T. F., Goodson, J. R. (2008). *ENTERPRISE SYSTEMS EDUCATION COMPETING THROUGH SUPPLY CHAIN MANAGEMENT*. Seoul, S. Korea: International Confernece on Business and Information.

Griffin, III, T. F., Ang, D. S., Lucy-Bouler, T. (2008). *Design for Software Experiments*. Montgomery, AL: AUM, School of Business, Working Paper Series and Presentation. [www.ijoqm.org/default.htm](http://www.ijoqm.org/default.htm)

Griffin, III, T. F., Ang, D. S., Lucy-Bouler, T. (2008). *Design for Software Experiments*. Montgomery, AL: AUM, School of Business, Working Paper Series and Presentation. [www.ijoqm.org/default.htm](http://www.ijoqm.org/default.htm)

Ang, D. S. (Presenter & Author), Griffin, III, T. F. (Author Only), The Economics and International Business Research Conference, Miami, FL, "Supply Change Management: The Performance Measure", Academic, National, December 12, 2008

## SERVICE

### Academic Service

IS Department Tenure and Promotion Committee.  
IS Department Faculty Recruitment Committee member.  
IS Department MS Program Committee  
IS Department BSBA IS Program Committee  
IS Department Stat Curriculum Committee chair and member.  
IS Department online degree programs Committee.  
IS Department Assessment Committee

COB Lowder-Weil Chair Search Committee  
COB Strategic Planning Committee  
COB Faculty Development Committee  
COB SACSCOC Assessment Committee  
COB AACSB Assessment Committee  
COB HBUE AUM Collaboration Program Coordinator  
COB Honor Program Committee  
COB AOL Assessment Committee  
COB Student Advisor Search Committee  
COB Graduate Student Orientation Committee  
COB International Business Committee

AUM Senator COB Representative  
AUM Distance Learning Director Recruitment Committee  
AUM Annual Performance Evaluation Review Committee  
AUM Teaching Effectiveness Committee  
AUM Professional Improvement Committee  
AUM Leadership Academy  
AUM SACSCOC Committee  
AUM Quantitative Assessment Committee  
AUM HBUE AUM Collaboration Program Initiator  
AUM Ad Hoc Faculty Annual Evaluation Committee  
AUM Academic Standard Committee  
AUM Faculty Welfare Committee  
AUM Alabama 2 yr. College and AUM Concurrent Enrollment Committee  
AUM International Student Orientation Panel Guest Speaker  
AUM Institute Research Senior Officer Search Committee

AUM Informatics Institute Director Search Committee  
AUM Technology Roundtable Participant, Center for Advanced Technologies

### **Professional Service**

Committee Chair, Global Academic-Industrial Cooperative Society (GAICS), Indiana, PA. (January 1, 2017 - Present).

Program Coordinator, The International Conference on Business And Information, Taipei. (July 6, 2009 - Present).

Committee Member, International Conference on Business And Information, Taipei. (January 31, 2009 - Present).

Editorial Review Board Member, Contemporary Management Research, Taipei. (September 11, 2008 - Present).

2020 Conference Chair, International Conference on Social Sciences, Economics and Business, Virtual Conference Aug 21-22, 2020, Chairperson, Tokyo, Japan.

2020 Conference Chair, International Conference on Industry, Business and Social Sciences, Aug 17-19, Kyoto, Japan.

2019 Conference Chair, International Conference on Industry, Business, and Social Science, Osaka, Japan, Aug 17-19, Osaka, Japan.

2019 Conference Chair, International Symposium on Business and Management, Fukuoka, Japan, Japan. April 1, 2019 - April 3, 2019.

2018 Conference Chair, International Conference on Industry, Business, and Social Sciences, Aug 22-24, Chairperson, Tokyo, Japan. August 22, 2018 - August 24, 2018.

2018 Conference Chair, International Symposium on Business and Management, Osaka, Japan, April 1, 2018 - April 3, 2018.

2017 Conference and Session Chairs, International Symposium on Business and Management, Kyoto, Japan. April 4, 2017 - April 6, 2017.

2016 Review Committee, International Conference on Business and Information, Review Committee, Nagoya, Japan. December 3, 2015 - May 15, 2016

2016 Conference Chair, International Conference on Innovation and Management, Taipei, Taiwan. January 13, 2016 - January 15, 2016.

2015 Keynote Speaker and Co-Conference Chair, International Symposium on Business and Management, Kuala Lumpur, Malaysia, April 1, 2015 - April 3, 2015.

2014, Keynote Speaker, International Conference on Business, Sociology and Applied Sciences (ICBSAS' 14), Kuala Lumpur, Malaysia. March 26, 2014 - March 27, 2014.

2010, Session Chair, International Conference on Business and Information, Session Chair, Kitakyushu, Japan, July 5, 2010 - July 7, 2010.

2008, Session Chair, The Economics & International Business Research, Chairperson, Miami, Florida, U.S.A., December 12, 2008.

### **Public Service**

Board Member, Downtown YMCA Montgomery, AL, Montgomery, AL. (January 9, 2019 - Present).

Board Member, LIFE Organization, Montgomery, AL, Montgomery, AL. (August 1, 2018 - 2022).

Board Member, That's My Child, Montgomery, AL. (August 1, 2018 - 2021).

Board Member, Southeast YMCA Montgomery, AL, Montgomery, Alabama. (January 15, 2014 - 2019).

Task Force Member, Advanced Manufacturing Career Academy Committee, Montgomery, Alabama. (January 15, 2010 - 2015).

SACS Review Participant, Forest Avenue Academic Magnet Elementary School

### **Licensures and Certifications**

AUM FDI Bb Certified Online Teaching  
AUM FDI Canvas Certified Online Teaching  
AUM Leadership Academy  
Certificate of Completion Developing and Delivering Online Instruction, Auburn Montgomery. (May 5, 2010 - Present).  
Windows NT 4.0, Supporting NT 4.0 Tech. Supp. (922) (MS922), Advanced Training Group Auburn University Montgomery. (June 16, 2000 - Present).  
Windows NT 4.0, Networking Essentials (578) (MS578), Advanced Training Group Auburn University Montgomery. (May 12, 2000 - Present).  
Windows 98, Implementing and Supporting (955) (MS798), Advanced Training Group Auburn University Montgomery. (April 15, 2000 - Present).  
Windows 98, Implementing and Supporting (955) (MS798), Advanced Training Group Auburn University Montgomery. (April 15, 2000 - Present).  
Windows NT 4.0, Administering NT (803) (MS803), Advanced Training Auburn University Montgomery. (March 16, 2000 - Present).  
1997 Journal Editors' Forum, The Auburn University Montgomery Lecture Series. (May 2, 1997 - Present).  
SAS Programming, SAS Institute Inc. (September 21, 1990 - Present).  
Fundamentals of The SAS System (Version 6), SAS Institute Inc. (September 7, 1990 - Present).  
Taguchi-Design of Experiment, Alabama Center for Quality and Productivity. (August 22, 1990 - Present).

## **Professional Memberships**

Editorial Members, Contemporary Management Research. (May 15, 2010 - Present).  
Member, Alabama Academy of Science. (September 1, 1994 - Present).  
Member, National Decision Science Institute. (September 1, 1993 - Present).  
Member, Alpha Pi Mu (Industrial Engineering Honor Society), (May 1, 1990 - Present).  
International Committee Chair, Business and Information. (May 15, 2012 - Present).  
Associate Member, American Institute of Industrial Engineers. (June 1, 1987 - Present).