

Alexandr M. Sokolov

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EDUCATION

Ph.D., Industrial Systems Engineering, Engineering Management,

- University of Tennessee, Knoxville TN

M.B.A., Finance,

- Lincoln Memorial University, Knoxville TN

B.S., Biological Sciences,

- University of Tennessee, Knoxville TN

TEACHING & MENTORING EXPERIENCE

Director of Engineering Management Programs, Present

- College of Engineering and Computer Science, Arkansas State University.
- Teach, develop, and manage a variety of in-class and online courses.

Coordinator of Engineering Management Programs, Former

- College of Engineering and Computer Science, Arkansas State University.
- Teach, develop, and manage a variety of in-class and online courses.

Visiting Assistant Professor, Former

- Department of Engineering Management & Technology, University of Tennessee, Chattanooga.
- Undergraduate Engineering Management Program Coordinator.
- Graduate Engineering Management Program Coordinator.
- Taught undergraduate and graduate courses, Online & In-class

Adjunct Faculty, Former

- Department of Engineering & Information Technology, Chattanooga State Community College.
- Taught undergraduate courses.

Graduate Research Assistant, Former

- University of Tennessee Center for International Education.

Undergraduate Research Assistant, Former

- University of Tennessee Zhulin Lab Joint Institute for Computational Sciences.

RESEARCH & FUNDING

Books

1. The Engineering Management Handbook. 3rd Edition. American Society of Engineering Management. In Progress.

2. Value Engineering Theory. 2nd Edition. Lawrence D Miles Value Foundation. In Progress.

Publications

1. Nawafleh, D., **Sokolov, A. M.**, Ibne Hossain, N.U., “Resource Allocation Models to Meet the United States Hospitals Urgent Need of Ventilators During the COVID-19 Pandemic: A Review.” International Conference on Industrial Engineering and Operations Management. Proceeding. 2021.
2. **Sokolov, A. M.**, Ghimire, A., Nawafleh, D., Ibne Hossain, N.U., Ghimire, A., “Analysis of the Impact of Capital Structure in the Innovation of a Firm Using the Techniques of Financial Engineering.” International Conference on Industrial Engineering and Operations Management. Proceeding. 2021.
3. **Sokolov, A. M.**, Picklesimon, S., Nawafleh, D., Ibne Hossain, N.U., “The Effects of Poor Internal Quality on Customer Satisfaction” International Conference on Industrial Engineering and Operations Management. Proceeding. 2021.
4. Santanna, L. G. T., Lee, J., Ibne Hossain, N.U., **Sokolov, A. M.**, “Leveraging the Application of Forecasting Methods to Analyze the Scrap Data of a Tire Industry” International Conference on Industrial Engineering and Operations Management. Proceeding. 2021.
5. Shupti, M.N., Ibne Hossain, N.U., Ahmed, I., Kannan, G., Babski-Reeves, K., **Sokolov, A. M.**, “Leveraging Systems Modeling Language (SysML) in Configuration Level of the 5C Architecture.” American Society of Engineering Management. International Annual Conference. Proceeding. 2021.
6. **Sokolov, A. M.**, El-Khait, M., “Engineering Quality Management for Construction Projects.” American Society of Engineering Management. International Annual Conference. Proceeding. 2021.
7. Grubb, B., Kim, S. D., Mclean, A., **Sokolov, A. M.**, “Increasing Profit and Time Value for Home-Based Bakery, Using DMAIC Framework.” American Society of Engineering Management. International Annual Conference. Proceeding. 2020.
8. Ross, S., **Sokolov, A. M.**, Abrha, W., Yang, K., “Analysis of US Government Construction Projects in Afghanistan Using Value Engineering Principles.” American Society of Engineering Management. International Annual Conference. Proceeding. 2020.
9. Webb, C., **Sokolov, A. M.**, Abrha, W., Rodgers, A., “Cost-Efficiency of Nitrogen Removal in Storm-Water Devices.” American Society of Engineering Management. International Annual Conference. Proceeding. 2020.
10. Musgrave, B., K., **Sokolov, A. M.**, Baggett, P., Willingham, A. Blended Project Management for Construction. American Society of Engineering Management. International Annual Conference. Presentation. 2020.
11. Tantawi, K., **Sokolov, A.M.**, Tantawi, O., “Advances in Industrial Robotics: From Industry 3.0 Automation to Industry 4.0 Collaboration”. Institute of Electrical and Electronics Engineers. IEEE TIMES-iCON. Proceeding. 2019.
12. **Sokolov, A. M.**, Khojandi, A., Simonton, J. L., Abedi, R., “Numerical Evaluation of Research Project Performance.” Tennessee Research and Creative Exchange. Publication. 2019.
13. Sawhney, R. S., **Sokolov, A. M.**, Seif, J. Reliability, and Lean Concepts in E-Commerce. Presentation. Institute of Industrial and Systems Engineers. Engineering Lean and Six Sigma Conference. Proceeding. 2015.

Presentations

1. Laniyan, O., **Sokolov, A. M.**, “Analyzing the Economic Impact of Adopting Remote Software Product Development Processes in Engineering Companies.”

- American Society of Engineering Management. International Annual Conference. Presentation. 2021.
2. **Sokolov, A. M.**, “SPMS In The Industry.” Industrial Engineering and Operations Management CAC Conference. Presentation. 2021
 3. **Sokolov, A. M.**, Ferren, D. M., Lesslie, K., Department of Energy’s Isotope Program. European Association of Nuclear Medicine. Presentation. 2017.
 4. **Sokolov, A. M.**, Ferren, D. M., Lesslie, K., Department of Energy’s Isotope Program. Society of Nuclear Medicine. Presentation. 2016.
 5. **Sokolov, A. M.**, Ferren, D. M., Shelton, J., Department of Energy’s Isotope Program. Society of Nuclear Medicine. Presentation. 2015.
 6. **Sokolov, A. M.**, Ferren, D. M., Lesslie, K., Department of Energy’s Isotope Program. International Chemical Congress of Pacific Basin Societies. Presentation. 2015.

Awarded Grants

1. Ignatius, F., Bathi, J.R., Sokolov A.M., Onyango M., Yu L., Wilson T., “Framework for Quantitative Assessment of the Environmental, Social, And Economic

HONORS & AWARDS

- A-State Co-Curricular Assessment Committee Faculty Fellow, A-State, 2022
- A-State Co-Curricular Assessment Committee Faculty Fellow, A-State, 2021
- Outstanding Teaching Award, UTC, 2019.
- Outstanding Teaching Award, UTC, 2018.
- Significant Event Award, ORNL, 2015.
- Top 10% of Upper Classmen, Alpha Chi National College Honor Society, 2012.
- Awards Chairman, Outstanding Academic Award, Phi Delta Theta, 2011.

PROFESSIONAL DEVELOPMENT

- American Society of Engineering Management International Annual Conference, 2021.
- Industrial Engineering and Operations Management CAC Conference, 2021
- Transportation Consortium of South-Central States Annual Conference, 2021
- American Society of Engineering Management International Annual Conference, 2020.
- Institute of Electrical and Electronics Engineers TIMES iCON Conference, 2019.
- University of Tennessee Technology Symposium, & Committee Member, 2018.
- University of Tennessee Entrepreneurship Conference, & Technology Chair, 2018
- Quality Matter’s Applying QM Rubric (APPQMR) workshop, October 17 – 31, 2017.
- European Association for Nuclear Medicine International Conference, 2017.
- Society of Nuclear Medicine International Conference, 2017.
- Society of Nuclear Medicine International Conference. 2016.
- Institute of Industrial and Systems Engineers International Conference. 2015
- Society of Nuclear Medicine International Conference, 2015.
- International Chemical Congress of Pacific Basin Societies Conference, 2015.

PROFESSIONAL SOCIETY MEMBERSHIP

- MDPI Systems Journal Reviewer 2022
- Industrial Engineering & Operations Management (IEOM) Reviewer 2021
- IEEE Transactions on Engineering Management Reviewer 2019
- Certified Professional of Engineering Management 2019

- American Society of Engineering Management (ASEM) Member
- Project Management Institute (PMI) Member
- Institute of Electrical and Electronics Engineers (IEEE) Member
- Institute of Industrial and Systems Engineers (IISE) Member