

# MSOM Lunch and Learn Webinar Series



**Thursday, February 22nd at 12pm CST:**

***Engineering Management, Presented By: Dr. Matt Cilli***

In today's environment, organizations need people that are well versed in the hard sciences complemented with a rich palette of conceptual thinking tools so that they can apply quantitative reasoning to the most pressing issues. The University of Arkansas' Master of Science in Engineering Management program will help students develop such talents and abilities so that they can reach across disciplines, think critically, draw well-reasoned conclusions, and move people to action toward a compelling future. The University of Arkansas' Engineering Management curriculum will introduce students to historical and contemporary management theories and provide them with practical techniques to apply managerial best practices within technical environments. Students will learn about the major management functions of leading, planning, organizing, and controlling across a product's life-cycle of research, design, and production. The curriculum will have students mine the disciplines of engineering economics, marketing, project management, systems thinking, decision science, information visualization, and ethics for elements that can be directly applied to the engineering management role.

**MORE INFORMATION IS AVAILABLE ONLINE AT:** <https://operations-management.uark.edu/webinar-series.php>

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## **About the Presenter:**

Dr. Matthew Cilli earned his Ph.D. in Systems Engineering from Stevens Institute of Technology in December 2015 with a dissertation focused on the integration of the holistic perspective of systems engineering discipline with the mathematical reasoning prevalent throughout the operations research discipline. He was first introduced to decision analysis as part of the coursework associated with the Masters of Technology Management from the University of Pennsylvania's Wharton Business School awarded to me in May 1998. He also holds a Bachelor of Science degree and a Masters of Science degree in Electrical Engineering from Villanova University (1989) and NYU Polytechnic (1992) respectively.

In a full-time capacity, Dr. Cilli serves as a principal systems engineering manager and data scientist for a research and development organization of the U.S. Army where he is responsible for leading multi-organizational teams through trade-space exploration exercises to help teams find system level solutions that balance competing trades of cost, schedule, and performance in the presence of uncertainty.

Dr. Cilli has been teaching *Introduction to Decision Support Tools* online for the University of Arkansas since the summer of 2016 and started teaching *Introduction to Engineering Management* in the fall of 2017.

