



# WEEKEND TALK

WEEK – 32  
No Participation Fee



## On Safety Engineering, Management and Analytics (SEMA)

Conducted under  
“AZADI KA AMRIT MAHOTSAV”  
- 75 years of India's Independence



### TOPIC: INDUSTRIAL ENGINEERING AND OPERATIONS RESEARCH (IEOR) APPLICATIONS IN CYBERSECURITY AND HEALTHCARE MANAGEMENT



**Dr. Theodore T. Allen**  
Associate Professor,  
Industrial and Systems  
Engineering,  
Ohio State University, Ohio

Dr. Theodore T. Allen, is an associate professor of Industrial and Systems Engineering and Computer Science Engineering (courtesy) at The Ohio State University. He is the author of over 70 refereed publications focusing on the intersection of optimization and novel experimental planning methods including for games, "high-level" data, and multiple fidelity optimization. These include two textbooks published by Springer Verlag including a third edition textbook on engineering statistics. Dr. Allen is a fellow of American Society for Quality (ASQ). He has been awarded approximately \$5M of research. He is an area editor of *Computers and Industrial Engineering* (IF:3.5) and a past associate editor of the *Journal of Manufacturing Systems* (IF:3.6) and has been a reviewer and on the editorial board for numerous journals and organizations including *Operations Research*, *IIE Transactions*, and *Technometrics*. Dr. Allen has developed novel methods and theory inspired by multiple impactful applications. These include contributing to savings of likely over \$200M for DHL, helping millions of people to vote more easily, shortening the response times at OSU's four hospitals and shortening hospital discharge times. Dr. Allen is the past president of the INFORMS Social Media Analytics Section and the president and founder of the educational non-profit organization 'FactSpread'. He is an expert in the field of Experimental Design, AI: Machine learning, Cybersecurity analytics and Operations Research.

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**Moderators:** Mom Mitra, Tata Steel, and Souvik Das (7384804020),  
Ashish Garg (7477514701), Sinjana Choudhuri, IIT Kharagpur  
**Contact us:** coesea2020@gmail.com

**Date**  
January 07, 2022

**Time**  
8.00 pm -9.00 pm (IST),  
10.30 am - 11.30 am (EDT),  
9.30 am - 10.30 am (CDT),  
7.30 am - 8.30 am (PDT),  
4.30 pm – 5.30 pm (CET)