

**O a R a c a d E M a a**  
**S a S**

**Research Seminar**

**A Va I a S C a :**  
**A Ca E S I a c A ac**

**Dr. Charu Chandra**

**Tuesday, December 7, 2021**  
**11:00 a.m. – 12:00 p.m.**  
**Caruth 147**

**Abstract**

In this talk, I shall present an overview of my research activities on investigating enterprise systems and supply chain management problems from the perspective of design and modeling issues that arise in managing information for logistics / provider networks in manufacturing and service enterprises. Specifically, I shall present my efforts in developing inter-disciplinary

body of knowledge available in Systems Theory, Axiomatic Design, Information Science, Data Science, and Industrial Engineering & Operations Research fields applied uniquely to issues and problems in the enterprise systems applications domain.

I will describe how in the current global supply chain disruption situation, an approach to multiple-steps forecasts can be applied to restrain the bullwhip effect and improve inventory performance. I will also present implementation of augmented analytics for an application of campus services to students.

## **Bio**

Charu is a member of academic societies IISE, INFORMS, Institute of Supply Management, Academy Health and Association for the Advancement of Artificial Intelligence.