Research Seminar

Deterministic and Stochastic Models for Manufacturing, Warehousing and Health Care Systems

in manufacturing and warehousing systems. We discuss in more detail a semi-open queuing network model for analyzing manufacturing and service systems in which an incoming customer must be paired with another resource and the two travel together until the last stage of service is completed for the customer.

In the second part of the talk, we present research for problems arising in emergency preparedness. We present facility location, routing and resource allocation models that can be used by personnel in the healthcare and public health (HPH) and emergency service sectors (ESS) during normal and medical surge conditions. These models utilize real