Healthcare Systems and Quality Engineering

**Healthcare Systems Engineering**
- Improve access to care and patient outcomes through simulation modeling and risk assessment
- Increase knowledge sharing through gamification and knowledge management systems
- Improve patient safety and reduce risk through systematic failure and reliability assessment
- Integrate care through a whole-person approach

**Quality/Six Sigma/Lean**
- Monitor conditions through pattern recognition for condition monitoring and fault prediction
- Improve patient flow and decrease length of stay through human factors and operations research principles
- Improve utilization of hospital resources and clinic space

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**Keywords**
- #Quality, #PatternRecognition, #Healthcare, #SixSigma, #Lean, #QualityHealthcare, #AccessstoCare

**Recitations**
- Fellow: ASQ, ASEM, and IIE
- International Academy for Quality
- Award: ASQ Feigenbaum Medal, ASQ Crosby Medal

**Collaborative Interests**
- Improving access to care, patient outcomes, and patient flow/scheduling

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