



**Hoo Sang Ko, Ph.D.**

**Title:** Assistant Professor

**Department:** Industrial and Manufacturing Engineering

**Institution:** Southern Illinois University Edwardsville

**Email:** hko@siue.edu

**Phone:** 618-650-5962

**Web URL:** N/A

---

**1. What are your current 3 main areas of research?**

- Applications of IT to industrial systems, including supply networks and production systems
- Machine learning and engineering control techniques for artificial pancreas
- RFID and wireless sensor networks for systems monitoring and control

**2. What are the top 3 areas of expertise/tools you are looking for in a research collaborator?**

- Potential research projects in healthcare, manufacturing, or retail industry
- Expertise in those settings
- Real massive data sets from those settings

**3. What 3 skills/tools that you have access to, are you willing to share with a potential research collaborator?**

- Various engineering/statistics/data mining/simulation tools and techniques
- RFID tags/readers and wireless sensor nodes
- Time