The Added Value of SHS throughout Your Career

November 8, 2018

Young/Early Career Professionals Committee
Who We Are

Ali Hobbs
Healthcare Analyst, Catalyst, a Haskell Company
Industrial Engineering, BS/MS

Volume of IEs in Healthcare

Muyuan Li
Project Manager – Health System Engineer, BayCare Health Systems
Industrial Engineering, Ph.D.

Knowledge Transfer

Brianna Lohman
Staff Technologist, Booz Allen Hamilton
Bioengineering, BS
Healthcare Systems Engineering, MEng

Extended Networking

Indira Wildschut
Consultant for New Platforms and Services-BG Monitoring & Analytics & Therapeutic Care, Philips Healthcare
Industrial Engineering, BS

Variety of Roles in Healthcare

Aaron Kanne
Director, Implementation Services at Care Logistics
Industrial Engineering, BS
Health Systems, MSHS

Career Development
The purpose of the SHS YP Committee is to connect early-career industrial engineers working in the healthcare industry.

- Network
- Develop
- Learn
- Attend

Interested in joining? Learn more at www.iise.org/shs/
Only a handful of IE Professors or teachers focusing on healthcare.

Thought the concept was revolutionary apart from a few cases

Creating solid network of individuals who are making their way down the healthcare road

First realization of how many career paths and opportunities are out there for IEs in HC

Feel comfortable with where I am in my career and that there are many pathways to continue to build on the career and SHS can HELP!
Shear Volume of IEs in Healthcare

Account Exec.  
Adjunct Professor  
Administrative Officer  
Ambulatory Care Nutrition Section Chief  
Anesthesiologist  
Architect  
Assistant Professor  
Assistant Vice President  
Assoc. Professor  
Associate Dean & Associate Professor  
Associate Director, PC/NS  
Associate Editor  
Associate Industrial Engineer  
Associate Professor  
Associate Professor of Neurology  
Associate/Programmer/Planner  
AVP Consulting  

Business Analyst  
Business Consultant  

CEO  
Chief Methodologist/Process eng.  
Chief Strategy Officer  
Chief, Systems Redesign  
Client Advisor  
Client Services Manager  
Clinical Education Coordinator  
Clinical Operations Analyst  
Clinical Systems Engineer  
Computer Simulation Specialist  
Consultant  
Continuous Improvement Engineer  
Continuous Improvement Specialist  
Corporate Director  
Corporate Medical Dir.  
Data Analyst  
Department Chair, Mgmt. Engr. & Internal Consulting  
Design Research and Engagement  
Director Nursing, Financial Planning  
Director of Lean and Process Improvement  
Director of Lean Improvement  

Director of Management Engineering  
Director of New Business  
Director of Operations  
Director of Process Improvement  
Director of Process Improvement Engineering  
Director of Quality Improvement  
Director of Solutions Architecture & Project Mgmt  
Director of Strategic Solutions  
Director of Work Systems and throughput  
Director of Xenotransplantation Operations  
Director Performance Improvement  
Director Staffing Efficiency  
Director, Enterprise Project Management Office  
Director, Extension Research & Development  
Director, Healthcare Redesign  
Director, Implementation Services  
Director, Online Engineering Mgmt.  
Director, Pediatric Centers and Business  
Director, Process Improvement  
Director, Productivity Management  
Director, Quality Systems Improvement  
Doctor of Nursing Practice  
Engineer  
Enterprise Account Exec.  
Enterprise Account Mgr.  
Enterprise Consultant  
Enterprise Manager of Quality, Imaging Services  
Executive Director  
Executive Advisor  
Executive Chairman of Board  
Executive Director  
Executive Director Business Intelligence  
Executive Director of Corporate Services  
Executive Director, Project Mgt  
Executive Partner  
Graduate Research Assistant  
Graduate Research Associate  
Graduate Student  
Health Scientist  
Health System Engineer, Sr  
Health System Specialist  
Health Systems Management Engineer  
Health Systems Specialist  
Healthcare Analyst  
Healthcare Consultant  
Healthcare Management Engineer  
Healthcare Operations Engineer  
Healthcare Planning + Strategies Consultant  
Healthcare Systems Engineer  
Hospital Admin.  
Industrial Engineer  
Industrial Engineer/Program Analyst  
Industrial Engineering  
Innovation Manager  
Lead Industrial Engineer  
Leadership Advisor  
Lean Advisor, Lean Promotion Office  
Lean Facilitator/Data Analyst  
Lean Six Sigma Coordinator  
LPN  
LSS Black Belt  
LSS Black Belt Consultant  
Management Consultant  
Management Engineer  
Manager of Cardiology  
Manager of Research Projects  
Manager Performance Improvement  
Manager, Process Improvement  
Managerial Consultant  
Managing Director  
Managing Director, Healthcare  
MD  
MD/Cardiologist  
Mediator  
National Sales Manager  
Operations Manager  
Partner, Director of Continuous Improvement  
Patient Safety Consultant  
Performance Engineer  
Performance Excellence Engineer  
Performance Improvement Consultant  
Performance Improvement Leader  
Performance Improvement Specialist  

Performance Manager  
Perioperative Services Research Engineer  
Ph.D. Student  
Planner/Designer  
President  
Principal  
Principal Healthcare Practice Leader  
Principal Consultant  
Principal, Clinic Operations, Practice Redesign  
Process Improvement Consultant  
Process Improvement Engineer  
Process Improvement Manager  
Process Improvement Specialist  
Process Optimization Specialist  
Productivity Analyst  
Professor  
Professor and Director  
Professor SSIE  
Program Director for Performance Improvement  
Project Coordinator  
Project Engineer for Health System Design  
Project Management Consultant  
Project Manager  
Project Manager for Health System Design  
Project Manager/Coach  

Quality Consultant  
Quality Improvement Advisor  
Quality Improvement Analyst - MICU  
Quality Improvement Facilitator  
Quality Improvement Specialist  
Quality Outcome Specialist  

Regional Manager  
Regional Vice President  
Research Assistant  
Research Associate  
Research Engineer  
Research Scientist  
Senior Application Engineer  
Senior Consultant  
Senior Decision Support Implementation Facilitator  
Senior Director  
Senior Engineer  

Senior Evidence-Based Practice Analyst, Value Inst  
Senior Healthcare Analyst  
Senior Lean Program Manager  
Senior Management Engineer  
Senior Performance Excellence Consultant  
Senior Performance Improvement Specialist  
Senior Process Improvement Engineer  
Senior Research Scientist  
Senior Vice President  
Software Consultant  
Sr. Director, Performance Improvement  
Sr. Lean Management Consultant  
Sr. Manager  
Sr. Manager of Premier Services  
Sr. Performance Improvement Specialist  
Sr. Project Manager  
Sr. Quality Analyst  
Strategic Planning Analyst  
Student  
Supply Chain Optimization Area Manager  
System Director Performance Improvement  
System Redesign Specialist  

Systems Engineer  
Systems Redesign  

Transformation Engineer  

Transplant Analyst/PI Advisor  
Vice President of Lean Support Services  
Vice President, Operational Excellence  
Vice President, Quality  
Virtual Care Program Manager  
VP  
VP Engineering  
VP Sales  

SOCIETY FOR HEALTHCARE LEADERSHIP IN QUALITY 

Shear Volume of IEs in Healthcare

The Different IE Roles in Healthcare

- SHS shows shear volume AND variety of IEs in Healthcare

Logistics  Manufacturing  Finance  Hospital Operations  Project Management  IT/Network

There is a need for DIFFERENT Industrial Engineers in health systems
The Different IE Roles in Healthcare

Georgia Institute of Technology-ISyE  
Quality & Statistics

- Halyard Health
  - Supply Chain Engineer
- Centers for Disease Control
  - Resource Allocation Researcher-Optimization Models and Data Simulation
- StartBox Company
  - Business Analyst
- Philips Healthcare
Pathways to Healthcare

- Architecture
- Bioengineering
- Industrial Engineering
- Nursing

**Continuing Education**
- Master’s in Health Systems/Healthcare Engineering
- Master’s in Industrial Engineering
- PhD in Industrial Engineering

**Title**
- Healthcare Consultant
- Business/Data Analyst
- Junior Consultant
- Process Engineer in Healthcare System
- Process Improvement Engineer
- Management Engineering

**Miscellaneous**
- Logistics
- Manufacturing
- Finance
- Hospital Operations
- Project Management
- IT/Network
Networking beyond day-to-day

- Brianna
  - With having a unique path to healthcare systems engineering and straying from patient-focused engineering, the opportunity to connect back with others with common interests and aspirations.
  - Building your network greater than current company and university alumni.
  - Conference putting faces to names and reconnecting with those who helped you along your journey and sharing lessons learned.
Career Development - Aaron

- HCA - 2005 - 2008
  - Southeast Division Management Engineering Intern
  - Atlanta Market Management Engineer (3 hospitals)
  - TriStar Division Management Engineer (18 hospitals)
- Care Logistics – 2008 - Present
  - Project Manager
  - Senior Project Manager
  - Manager, Implementation Services
  - Director, Implementation Services
Career Development - Aaron

- SHS provides you with many opportunities to hone and enhance your skills:
  - HSPI Conference as a catalyst
  - Network of SHS contacts for idea sharing
- Next career move could be a fellow SHS member away!
Knowledge Transfer Opportunities

- HSPI Conference
  - Meeting professionals with various backgrounds.
  - Building relationship to share knowledge.
- SHS YP Webinars
  - 8 webinars annually
  - IISE webinar
  - Healthcare webinar
- Other
  - newsletters, lean coffee and mentorship program

### 2018 Webinars

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Events to get involved in

- YP committee
- Conference Events
  - Dutch Treat Dinners – Margaritaville!
  - Student Networking Reception
  - Student Paper Competition
  - Student Award
- Conference Committee
  - Social Events Committee
- Webinars
- Lean Coffee
- Mentorship Program
- Post-Graduate Membership Rate for SHS
Survey Stories

- **Passion for HC**
  - “Staying connected to this organization is crucial if you are doing process improvement work in healthcare situations. The learnings during conferences and webinar help you will comfortable with new challenges and the networking helps you realize you are not alone in a large healthcare setting full of MHAs, Doctors, and nurses.”

- **Career Opportunities**
  - “Career opportunities - Every role that I have held (across 4 organizations in 2 states) have come directly from connections I have made through SHS.”

- **Knowledge Transfer**
  - “SHS provides me with opportunities to share knowledge with the industry through webinars and conference presentations. I have also had the opportunity to give back to the Society as a Board Member and participant on several committees.”
February 20 – 22, 2019
San Antonio, TX
2019 HSPIC: Keynote Speaker

Dr. Rubin Pillay

A medical futurist and Professor of Healthcare Innovation, currently the Assistant Dean for Global Health Innovation at the School of Medicine, and the Chief Innovation Officer of the Health System at the University of Alabama in Birmingham

2019 HSPIC: Keynote Speaker

Mark Graban

Internationally recognized consultant, published author, professional speaker, podcaster and blogger. Author of *Measures of Success: React Less, Lead Better, Improve More, Lean Hospitals* and *Healthcare Kaizen*

Register today at: [www.iise.org/shs/hspi](http://www.iise.org/shs/hspi)
**2019 HSPIC: Site Tour**

Toyota Motor Manufacturing Plant

Reserve one of the 40 signup slots to walk through the 2.2 M sqft manufacturing facility that is responsible for producing the Toyota Tacoma and Tundra. See the foundations of the world-renowned Toyota Production System.

Register today at: [www.iise.org/shs/hspi](http://www.iise.org/shs/hspi)

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**2019 HSPIC: Site Tour**

Southwest Texas Regional Advisory Council Facility

This exciting tour will offer the opportunity to see the people, equipment, and operations behind trauma care in Southwest Texas, including the swift water rescue team and a 40ft communication trailer used during tornadoes, floods, and mass casualty events.
The Healthcare Systems Process Improvement Conference 2019 is your source for the latest in operational and quality improvement tools, methods and concepts such as

- Lean
- Six Sigma
- Productivity
- Benchmarking
- Simulation
- Project management
- And More...

Throughout the conference you can enjoy extensive learning opportunities, rich networking events, and a chance to connect with fellow healthcare improvement professionals and students.

**Registration is now OPEN!**
 register by December 14th to save $200 with early bird rates!

Register today at: [www.iise.org/shs/hspi](http://www.iise.org/shs/hspi)
Questions?

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- Indira Wildschut, Philips Healthcare
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- Aaron Kanne, Care Logistics
  akanne@carelogistics.com

“But most of all, you have to be involved or you're not going to have a network you can tap. If you only learn from your limited sphere of influence, you are not growing. You're stagnant in your vision, learning, scope and understanding. Healthcare is a dynamic industry and requires dynamic minds. If you're not going to participate then you lost opportunity to advance in this volatile industry.”

- SHS Survey Response