

# **AGENDA**

Wednesday, April 20, 2016 - Pre- Conference		Meeting Room		
1:00 - 5:00 PM	Registration Check-in	Bandera A		
2:00 – 4:00 PM	Pre-Conference Session (#1)	Brandy		
	Sustainability - Michele Bosworth, MD, UTHSC - Tyler			
2:00 – 4:30 PM	Pre-Conference Session (#2)	Hondo		
	A Taster's Tour of Healthcare Systems Engineering at			
	UT MD Anderson Cancer Center			
	Overview - Victoria Jordan, PhD			
	<ul> <li>Proton Therapy – Douglas Durbin and Nick Olivieri</li> </ul>			
	<ul> <li>Room Utilization – Ashley Robinson</li> </ul>			
	<ul> <li>Access Algorithm – Laura Burke</li> </ul>			
	<ul> <li>Clinical Trial Planning and Operation Monitoring – Wei Liu, PhD</li> </ul>			
	<ul> <li>Perometer Variance Reduction (for Lymphedema screening)</li> </ul>			
	Parviz Kheirkhah, PhD and Simona F. Shaitelman, MD, Ed	M		
	<ul> <li>Radiation Therapy Treatment Planning Optimization under Uncert</li> </ul>	tainties		
	Maryam Zaghian, PhD			
5:00 – 6:30 PM	UT System Imaging Collaborative Discussion	Bandera B/C		
Joseph Steele, MD, UT MD Anderson Cancer Center				

<u>Thursday, April 21, 2016</u>				
7:30 AM	Registration and Continental Breakfast	Hill Country Ballroom Foyer		
8:30 AM	Opening Remarks	Hill Country Ballroom		
8:40 – 10:00 AM	Opening Keynote:  There's a Patient on the Care Team: A New Design for Laura Adams, President and CEO	r Health and Healing		
	Rhode Island Quality Institute			
10:00 - 10:15 AM	Coffee Break			
10:15 - 11:30 AM	Poster Session	Hill Country Ballroom E		
11:30 - 1:00 PM	Light Lunch and Keynote Speaker  Reliability in Health Care, Why is it Important?	Rogers Wiseman Pavilion		
John Hensing, MD, Executive Vice President and CMO				
	Banner Health			

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# Thursday, April 21, 2016 (cont.)

1:00 - 2:00 pm

ORAL PRESENTATIONS

#### SESSION 1 – SYSTEMS ENGINEERING GRANT REPORTS

Hill Country Ballroom F-G

**Meeting Room** 

Reducing Avoidable Harm from Device Related Healthcare Associated Infection

### Chanhaeng Rhee, MD, MBA

**UT Southwestern Medical Center Dallas** 

 Design an Elective Surgery Systematic Pathway and CORE Grant to support Systems Engineering Projects at UTMB

### Adam G. Spieker, MBA

**UT Medical Branch Galveston** 

### SESSION 2 - CS&E ABSTRACT PRESENTATIONS

Reducing Coagulase Negative Staphylococcus Aureus (CoNS) Contamination of Blood Cultures in the Neonatal Intensive Care Unit (NICU)

### Preethi Srinivasakumar, MD

**UT Southwestern Medical Center** 

• Improving the Quality of Oral Health Care for the Diabetic Patient in Dental School Outpatient Clinics

### **Gary Guest, DDS**

UT Health Science Center - San Antonio

Improving IDWG in Dialysis Patients

# Chandandeep Takkar, MD and Laura Montes, RN

UT Health Science Center - San Antonio

#### SESSION 3 – CS&E ABSTRACT PRESENTATIONS

Hill Country Ballroom A-D

Implementation of a Postpartum Depression Screening Tool in a Pediatric Outpatient Primary Care Resident Clinic

# Karen Wittenburg, MD, Michelle Gallas, DO and Tara Greendyk, MD

**UT Austin Dell Medical School** 

Scheduling Quality: Utilization of 4+1 Block Rotations to Build Systems of Care and Quality into Resident Education

# Megan Freeman, MD and Patricia Wathen, MD

UT Health Science Center - San Antonio

Fundamentals of Quality Improvement Certificate

# Robert Joyce, MS, CPLP and Barbara Shelton, MS

**UT MD Anderson Cancer Center** 

2:00 - 2:15 PM Move Rooms/Coffee Break

#### 2:15 - 3:15 PM ORAL PRESENTATIONS

### SESSION 4 - SYSTEMS ENGINEERING GRANT REPORTS

Hill Country Ballroom A-D

Improving Inpatient & Outpatient Throughput by Computer Simulation - ICU, DI, Rad Oncology

# Joseph Steele, MD, Joseph Nates, MD, Emily Norboge, MPSA

**UT MD Anderson Cancer Center** 

#### SESSION 5 – SYSTEMS ENGINEERING GRANT REPORTS

Brady

Improving Patient Flow and Resource Utilization in ED

### Yashwant Chathampally, MD

**UT Health Science Center Houston** 

Improving Lab Order, Verification and Follow-Up Processes at UT Physicians

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### Eric Thomas, MD, MPH

**UT Health Science Center Houston** 

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# Thursday, April 21, 2016 (cont.)

2:15 - 3:15 PM ORAL PRESENTATIONS

SESSION 6 – CS&E ABSTRACT PRESENTATIONS

**Meeting Room** 

Hill Country Ballroom F-G

• Decreasing Drug Transfer Times Between Retail Pharmacies – Drug Trac

Nikki Bui, PharmD and Thuy Tran, PharmD

**UT MD Anderson Cancer Center** 

 Preventing Over-inflation of the Tracheal Tube Cuff During General Anesthesia

Eric Rosero, MD and Meghan Michael, MD

**UT Southwestern Medical Center** 

 Reduced Scan Time for Computed Tomography Patients with Delayed Images

Bilal Mujtaba, MD and Priya Bhosale, MD

**UT MD Anderson Cancer Center** 

3:15 - 3:30 PM Move Rooms/Coffee Break

3:30 – 5:00 PM Choose one of the following panel discussions to attend

Improving Diagnosis in Healthcare Hill Country Ballroom F-G

Moderator: Eric Thomas, MD, MPH, UTHSC- Houston

Panelists: Hardeep Singh, MD, MPH, Baylor Medical & Houston VA

**Dean F. Sittig, PhD**, UT Health School of Biomedical Informatics, UTHSC - Houston

Non-Traditional Applications of Healthcare Systems Engineering Hill Country Ballroom A-D

Moderator: Victoria Jordan, PhD, UT MD Anderson Cancer Center

Panelists: **Douglas Morrice, PhD, UT** Austin McCombs School of Business

**Operations Management** 

**Tim Peglow, MBA, MSE,** UT MD Anderson Cancer Center Using Lean and Six Sigma in Housekeeping and Maintenance at UT MD Anderson Cancer Center

Pam Redden, MS, BSN, RN EDAC, UT Austin Dell Medical School

Using Systems Engineering Tools Such as Value Stream Mapping

and Mathematical Simulation to Optimize Facility Design

6:30 - 7:00 PM Reception (cash bar) Rogers Wiseman Pavilion

7:00 - 8:30 PM Awards Dinner Rogers Wiseman Pavilion

CS & E awards, new fellows introduced and program update

Friday, April 22, 2016

8:00 AM Continental Breakfast Independence Ballroom Foyer 8:30 - 9:30 AM Keynote Speaker Independence Ballroom 1-3

Accelerating Innovations in Health

S. Clay Johnston, MD, PhD

**Dean and Vice President for Medical Affairs** 

The University of Texas at Austin Dell Medical School

9:30 - 9:45 AM Move Rooms/Coffee Break

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# Friday, April 22, 2016 (cont.)

# **Meeting Room**

9:45 - 10:45 AM ORAL PRESENTATIONS

#### SESSION 7 – SYSTEMS ENGINEERING GRANT REPORTS

**Brady** 

• Implementing a Patient-Centered Surgical Home

Luci K. Leykum, MD

UT Health Science Center at San Antonio

 Optimizing House Staff Schedules and Patient Access in Primary Care Teaching Clinics

Luci K. Leykum, MD

UT Health Science Center at San Antonio

#### SESSION 8 - CS&E ABSTRACT PRESENTATIONS

Bandera

• Get to Green: Improving Team Communication to Reduce Ventilator Hours

# Alexandris Aman and Bela Patel, MD

**UT Health Science Center - Houston** 

 Reporting to FDA MedWatch: Evaluating the Implementation of a Standardized Adverse Drug Reaction Reporting Algorithm in a Comprehensive Cancer Center

# Sayer Monroe, PharmD

**UT MD Anderson Cancer Center** 

• My Pain's a 10, Doc!

# Adrian Nedelcut and Lisa Bailey, RN

**UT Health Science Center Tyler** 

#### SESSION 9 – CS&E ABSTRACT PRESENTATIONS

Independence Ballroom 1-3

Reduce Wait Time for Add-on OR Patients in Clinical Nuclear Medicine (CNM)

# Dao Le, PharmD and Scottie Jones, MBA

**UT MD Anderson Cancer Center** 

Optimizing General Ultrasound Workflow

### Rhoda Reading, BSBA, RDMA, RT and Silvana Faria, MD, PhD

**UT MD Anderson Cancer Center** 

• Improved Colorectal Cancer Screening Rates in East Texas

# Carlton Allen, MS

**UT Health Science Center Tyler** 

10:45 - 11:00 AM Move Rooms/Coffee Break

11:00 - 12:00 PM ORAL PRESENTATIONS

### SESSION 10 - SYSTEMS ENGINEERING GRANT REPORTS

Brady

Improving Diabetes and Obesity Care in Sparse Population Areas

# Hiram Moya, PhD

**UT Rio Grande Valley** 

Improving Inventory Management Systems in the Division of Pharmacy

### Parviz Kheirkhah, PhD

**UT MD Anderson Cancer Center** 

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# **Meeting Room**

# SESSION 11 - SYSTEMS ENGINEERING GRANT REPORTS

Bandera

• Integrated Care for Patients with COPD

Gulshan Sharma, MD, MPH

**UT Medical Branch Galveston** 

• Money for Training and Industrial Engineering Support

Michele Bosworth, MD and Brenda Lee, MSN, RN

UT Health Science Center - Tyler

# SESSION 12 - CS&E ABSTRACT PRESENTATIONS

Independence Ballroom 1-3

• The DISINFECT Initiative: Decreasing the Incidence of Surgical Infections in Gynecologic Oncology

Jolyn Taylor, MD and Claire Marten, PharmD

**UT MD Anderson Cancer Center** 

 Improving Bone Health for Prostate Cancer Patients on Androgen Deprivation Therapy

Jeong-he Ku, MD

**UT Southwestern Medical Center** 

 Impact of a Physician Dashboard on Episiotomy Utilization at William P. Clements, Jr. University Hospital

Katherine Xiong and Robyn Horsager-Boehrer, MD

**UT Southwestern Medical Center** 

12:00 NOON Conference Concludes

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