# AGENDA

**Wednesday, April 20, 2016 - Pre-Conference**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Meeting Room</th>
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<tbody>
<tr>
<td>1:00 - 5:00 PM</td>
<td>Registration Check-in</td>
<td>Bandera A</td>
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<tr>
<td>2:00 – 4:00 PM</td>
<td>Pre-Conference Session (#1)</td>
<td>Brandy</td>
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<td></td>
<td><em>Sustainability</em> - Michele Bosworth, MD, UTHSC - Tyler</td>
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<tr>
<td>2:00 – 4:30 PM</td>
<td>Pre-Conference Session (#2)</td>
<td>Hondo</td>
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<td></td>
<td><em>A Taster’s Tour of Healthcare Systems Engineering at</em></td>
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<td></td>
<td><strong>UT MD Anderson Cancer Center</strong></td>
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<tr>
<td></td>
<td>• Overview - Victoria Jordan, PhD</td>
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<td></td>
<td>• Proton Therapy – Douglas Durbin and Nick Olivieri</td>
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<td>• Room Utilization – Ashley Robinson</td>
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<td>• Access Algorithm – Laura Burke</td>
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<td></td>
<td>• Clinical Trial Planning and Operation Monitoring – Wei Liu, PhD</td>
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<td>• Perometer Variance Reduction (for Lymphedema screening)</td>
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<td>Parviz Kheirkhah, PhD and Simona F. Shaitelman, MD, EdM</td>
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<td>• Radiation Therapy Treatment Planning Optimization under Uncertainties</td>
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<td>Maryam Zaghian, PhD</td>
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<tr>
<td>5:00 – 6:30 PM</td>
<td>UT System Imaging Collaborative Discussion</td>
<td>Bandera B/C</td>
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<td><em>Joseph Steele, MD, UT MD Anderson Cancer Center</em></td>
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**Thursday, April 21, 2016**

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

1:00 – 2:00 pm

**ORAL PRESENTATIONS**

**SESSION 1 – SYSTEMS ENGINEERING GRANT REPORTS**

**Meeting Room**

**Hill Country Ballroom F-G**

- *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*
  
  Chandandeeep Takkar, MD and Laura Montes, RN
  
  UT Health Science Center - San Antonio

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

- *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**

- *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*
  
  Eric Thomas, MD, MPH
  
  UT Health Science Center Houston
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, IMS, 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)

7:00 - 8:30 PM

Awards Dinner

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
Friday, April 22, 2016 (cont.)

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
Friday, April 22, 2016 (cont.)

SESSION 11 – SYSTEMS ENGINEERING GRANT REPORTS

- **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

- **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