TUESDAY, OCTOBER 25 • 7:30AM- 8:00AM – Registration & Continental Breakfast

8:45AM The Future of Process Safety - Dr. Sam Mannan, MKOPSC and Trish Kerin, IChemE Safety Centre

9:45AM Break and Exhibit Hall - Ballroom

10:15AM "Normalizing Deviance: 30 Years after the Challenger Explosion" Joey Cranston, Albermarle

10:45AM "Smart HAZOPs - PHAs in a Cash and Hazard Investigation Board

11:15AM "CFD Explosion Sensitivity Analysis" Dennis Taylor, Worley Parsons

11:45AM "Case Study/Lessons Learned I Hazard Assessment I Risk Assessment/LOPA I Pipelines

12:15PM Lunch and Exhibit Hall - Ballroom

2:15PM "Catastrophic Domino Effect Due to Explosion Of Structural Fragments Generated by Inner Explosions of Tanks Offshore Oil Drilling industry: The Cuban Regulatory approach." Ruben Ferro, ORASEN

2:45PM Break and Exhibit Hall (*Door Prizes at 3:00PM) - Ballroom

3:15PM "Multiscale Modeling of Buoyant Fires" Niveditha Fouchier, Von Karman Institute of Fluid Dynamics

3:45PM "Evaluation of Computational Fluid Dynamics (CFD) vs. Target Gas Cloud for Indoor Gas Detection Design" James McNay, Micropack

4:15PM "Large-Scale Ventilated Deflagration Tests" Peter Diakow, BakerRisk

4:45PM "Experimental investigation of blast wave propagation in an urban environment" Charline Fouchier, Von Karman Institute of Fluid Dynamics

5:15-7:00PM Cocktail Reception (*Door Prizes at 6:00PM) - Ballroom

5:30-7:30PM Poster Session - Inside Ballroom
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<tr>
<td>9:15AM</td>
<td>11:30AM Lunch and Exhibit Hall - Ballroom</td>
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<tr>
<td>8:00AM</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:45AM</td>
<td>Presentation of Trevor Kletz Merit Award, Harry West Service Award, &amp; Lamiya Zahn Memorial Safety Scholarship – Dr. Sam Mannan, MKOPSC</td>
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**Track I**

- Oakwood North/South 40
- Chairs: Kathy Shell, Scott Ostrowski
- Facility Siting
- PSRM for Contractors
- Improving Contractor Safety Experience & Engagement – Greg Fletcher and Katherine Molly, North Highland

**Track II**

- Chairs: Michela Gentile, Kiran Krishna, Mike Marshall
- Facility Siting
- Improving Contractor Safety Experience & Engagement – Greg Fletcher and Katherine Molly, North Highland

**Track III**

- Chairs: Sara Sasana, Ramasamy Ravi
- Hazard Assessment
- High Pressure Relief Systems in LNG Receiving Terminals – A Safety Case for HP Flare “Sunny Chol”, IRESIC

**Track IV**

- Chairs: Marc Levin, Neysan Koc-Karabacak, Victor Carreto
- LNG
- Improving Prevention and Mitigation Efforts Related to Accidental Releases of LNG – Jesse Brumbaugh, Smith & Burgers

**Lunch and Exhibit Hall - Ballroom**

- 12:30PM Human Error Reduction: Timely Lessons from Neuroscience Mike Mangan, Dekra Insight
  - Static Head – The Unrecognized Hazard in Relief System Design – Robert Simi, Siemens
  - The Role of Process History in Reducing False Alarms – Alan Mahoney, PPCL
  - General Method for Uncertainty of Safety Integrity Level Calculations – Randy Freeman
  - Align PHA Scenarios with PSV One-System – Boyd George
  - Pros & Cons of Electronic Marshalling for a Safety System – Manuel Hernandez, Fluor
  - The hazards associated with the ignition sensitivity of hybrid mixtures – Emmanuel Addai, University of Magdeburg

**Break and Exhibit Hall**

- 2:00PM Break and Exhibit Hall – Ballroom
  - Door Prizes at 2:30PM

**Vapor Cloud Explosions**

- Facility Siting
- Reactive Chemicals
- Accounting for Channeling and Shielding Effects for Vapor Cloud Explosions – James Wesevich, Wadlinger Applied Science
  - Probabilistic Approach to Deriving Oil Spill Size – Elaine Kleiner, BSEE
  - Effects of environmental temperature and heat dissipation condition on thermal runaway of lithium ion battery during charge-discharge process – Linsheng Guo, Nanjing Tech University

**Symposium Ethics Session (1 hr) – Brazos Room**

- 6:30PM Symposium Banquet at Traditions Club – (Ticketed Event)
- Buses arrive at 6:00 at the Fountain Entrance
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<tr>
<td>8:00AM</td>
<td>&quot;West Texas Fertilizer Explosion&quot; Vanessa Allen Sutherland, Chairperson, US Chemical Safety and Hazard Investigation Board</td>
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<tr>
<td>8:30AM</td>
<td>Safety Culture Panel Discussion - Mark Griffon, Retired CSB Chairman</td>
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<tr>
<td>Oakwood</td>
<td>North/South 40</td>
<td>Brazos</td>
<td>Mockingbird</td>
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<tr>
<th>Chairs</th>
<th>PSM</th>
<th>Data Analysis</th>
<th>Case Study/Lessons Learned</th>
<th>Consequence Analysis II</th>
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12:00PM – Close (Box lunches available)