Day	Time	Session	Location	Topic	Session Chair	Block	Speaker First Name	Last Name	Organization	*Contributed Sessions Presentation Title
Mon., Jun. 5th	8-9am	Breakfast	Skyline	Machine Learning	Poria Dorali, UH					
	9-10:30am	Short Course 1				9-12:30	Ying	Lin	University of Houston	Machine Learning-based Process Modeling & Monitoring
	10:30-11am	Break								
	11am-12pm	Short Course 1								
	12:30-1:30pm	Lunch								
	1:30-3pm	Short Course 2				1:30-5	Na	Zou	Texas A&M University	Fair Machine Learning in Healthcare
	3-3:30pm	Break								
	3:30-5pm	Short Course 2								
Tues., Jun. 6th	8-9am	Breakfast	Multipurpose							
	8:50-9am	Opening		Remarks	Jami Kovach, UH					
	9-10am	Plenary 1		Data Science	Poria Dorali, UH		Yu	Ding	Texas A&M University	Data Science for Wind Energy
	10-10:30am	Demo 1		Software	David Luo, MD Anderson		Kevin	Potcner	JMP	Introducing JMP's New "Easy DOE" Platform for Setting Up & Analyzing Experiments
	10:30-11am	Break								
	11am-12pm	Session 1A	Multipurpose	Process & Continuous Improvement	Matthew Hu, UH	11-11:30	Forrest	Breyfogle	Smarter Solutions	Performance Measurement Goals and Process Improvement: The Good, Bad & Ugly
						11:30-12	Matthew	Hu	University of Houston	The Power of Design for Six Sigma & Digital Transformation to Drive Continuous Improvement
		Session 1B	Skyline	Deep Learning	Edgard Maboudou, UCF	11-11:30	Hayden	Hampton*	University of Central Florida	Deep Learning Least Squares One-Class Classification
						11:30-12	Edgard	Maboudou*		
		Session 1C	Heights	Human Factors & Reliability	David Han, UTSA	11-11:30	David	Lou	MD Anderson	Human Factors in Health Care
						11:30-12	David	Han	University of Texas at San Antonio	Condition-Based Maintenance Policy Under Tweedie Exponential Dispersion Process
	12-1pm	Lunch	Multipurpose							
	1-2:30pm	Session 2A	Multipurpose	Process Monitoring & Design	Eric Chicken, FSU	1-1:30	Daniel	Timme	Florida State University	Nonparametric Multivariate Profile Monitoring Using Regression Trees and Kolmogorov-Smirnov Test
						1:30-2	Felipe	Barrientos		A Bayesian Approach for Nonparametric Multivariate Process Monitoring using Universal Residuals
						2-2:30	Jonathan	Stewart		Profile Monitoring of Random Functions with Gaussian Process Basis Expansions
		Session 2B	Skyline	Problem Solving & Analysis	Scott Wise, JMP	1-1:30	Nathan	Soderborg	E^{x}ponent	Statistical Problem Solving in Industry: The People Side of the Process
						1:30-2	Sarah	Burke	Air Force Inst. of Tech.	Improving Job Analysis Surveys in the Air Force
						2-2:30	Scott	Wise*	JMP	Expand Your Horizons: 3D Representation in a 2D World
		Session 2C	Heights	Data in Industry	D. Abuzar Yousef Ali Ahmed, King Saud University	1-1:30	Jhonathan	Herrera-Shaikh	Grant Thornton	Banking & Financial Services Data Management & Data Science in a Business Context
						1:30-2	Heidi	Russell	UTHealth Houston	Measuring Health Care Quality During a Workforce Upheaval
						2-2:30	D. Abuzar Yousef Ali	Ahmed	King Saud University	Measuring and Analyzing the Value Exports of Saudi Dates to Indonesia
	2:30-3pm	Break								
	3-3:30pm	Demo 2	Multipurpose	Software	Miguel Lozano, MD Anderson		Tom	Williams	Minitab	Using Minitab Products in Industry

Day	Time	Session	Location	Topic	Session Chair	Block	Speaker First Name	Last Name	Organization	*Contributed Sessions Presentation Title
Tues., Jun. 6th	3:30-5pm	Session 3A	Multipurpose	Big Data & Statistics	M.Z. Anis, Indian Statistical Institute	3:30-4	Wenshuang	Wang*	University of Houston	The Use Cases of Big Data in Smart Grid Applications
						4-4:30	Karen	Hulting	Medtronic	Engineering Statistics Challenges in the Medical Device Industry
						4:30-5	M.Z.	Anis	Indian Statistical Institute	On Assessing Process Capability for Auto-correlated Data in the Presence of Measurement Errors
		Session 3B	Skyline	Process Automation & Cybersecurity	Lila Carden, UH	3:30-4:15	Antonio	Marin	US Med-Equip	From ERP Implementations & Process Automation to Robotics Process Automation (RPA)
						4:15-5	Lila	Carden	University of Houston	The People Side of Automation
	5-6pm	Poster Session & Networking	Multipurpose	Research Posters	Yaping Wang, UH					While networking with your colleagues, please visit the posters on display, talk with the poster presenters & cast your votes for the best student research projects.
	6-8pm	Banquet		Honored Guest	Jami Kovach, UH		Nicole	Radziwill	Ultranauts Inc.	The Intelligent Architecture of Fear & Inspiration
Wed., Jun. 7th	8-9am	Breakfast	Multipurpose							
	9-10am	Plenary 2		Lean Thinking	Poria Dorali, UH		Hung-da	Wan	The University of Texas at San Antonio	Thinking Lean in the Era of Data Analytics
	10-11am	Session 4		Natrella Scholar Presentations	Emmanuel Yashchin, IBM	10-10:30	Michael	Biehler	Georgia Tech	DETONATE: Nonlinear Dynamic Evolution Modeling of Time-dependent 3-dimensional Point Cloud Profiles
						10:30-11	Ann Marie	Weideman	UNC Chapel Hill	Canopy2: Tumor Phylogeny Inference Using Bulk DNA & Single-cell RNA Sequencing
	11am-7pm	Facility Tour (lunch included)	Space Center Houston			11-11:30: Load Buses Outside UH Student Center South				**All attendees are responsible for being on time to load the buses.** If you miss the bus, you are responsible for securing & paying for your own transportation to/from Space Center Houston. Travel time is estimated to be 1-2 hours each way. **Restroom facilities are NOT available on the bus.**
						5-5:30: Load Buses Outside Space Center Houston				
	7-8pm	Dinner	Multipurpose	Box Lunches						
Thurs., Jun. 8th	8-9am	Breakfast	Multipurpose							
	9-10am	Session 5A	Multipurpose	Error Detection	Lee Revere, UF	9-9:30	Dan	O'Leary*	Ombu Enterprises	Signal Detection of Medical Device Adverse Events
						9:30-10	Lee	Revere	University of Florida	Feasibility of AI to Identify & Predict Opportunities for Hospital Errors Using Electronic Medical Notes
		Session 5B	Skyline	Quality Control	Emmanuel Yashchin, IBM	9-9:30	Decio	Correa*	IBM	Framework to Facilitate Data Science Best Practices &
						9:30-10	Emmanuel	Yashchin	IBM	Quality Control & Diagnostics in Multi-stage Processes
	10-10:30am	Break	Multipurpose							
	10:30am-12pm	Session 6A	Multipurpose	Experimental Design	Rakhi Singh, Binghamton University	10:30-11	Bryan	Dodson	SKF	Robust Design for Products & Processes
						11-11:30	Bryan	Smucker*	Miami University	Comparing Supersaturated Designs Using Exact Screening Probabilities
						11:30-12	Rakhi	Singh	Binghamton University	A New Analysis Method to Identify Interactions in Screening Experiments
		Session 6B	Skyline	Managing Projects & People	Ron Hopkins, UH	10:30-11	Louis	Huston	Gomeraki	Change Management
							Christy	Dillard		
						11-11:30	Dennis	Sherman	University of Houston	ISO & Project Management
						11:30-12	Ron	Hopkins		Relationship Management
	12-1:30pm	Lunch & Plenary 3	Multipurpose	Digital Transformation	Poria Dorali, UH		Fugee	Tsung	The Hong Kong University of Science & Technology - Guangzhou	Industrial Analytics Research & Education Facing Digital Transformation