

Joint Research Conference Schedule: Wednesday, June 13

7:30-8:00 am	2 nd Floor Hallway Registration		
8:00-9:00 am	O'Keefe	Plenary Session: Chair: Earl Lawrence Los Alamos National Laboratory <i>Computer Model Calibration: Applications from the National Labs and a Protein Network</i> Derek Bingham, Simon Fraser University	
9:00-9:10 am	10 Minute Break		
9:10-10:40 am	Lamy Invited Session: Celebrating 50 Years of the Journal of Quality Technology Organizer/Chair: Bianca Maria Colosimo, Politecnico Di Milano <i>The 50th Anniversary of the Journal of Quality Technology</i> Douglas Montgomery, Arizona State University <i>Estimating a Service-Life Distribution Based on Production Counts and a Failure Database</i> Michael Hamada, Los Alamos National Laboratory <i>Selecting an Informative/Discriminating Multivariate Response for Inverse Prediction</i> Ed Thomas, Albuquerque, New Mexico	Palace A Invited Session Experiment Design for Big Data Organizer: Xinwei Deng, Virginia Tech and C. Devon Lin, Queen's University Chair: Xinwei Deng, Virginia Tech <i>Projected Support Points – A New Method for High-Dimensional Data Reduction</i> Roshan J. Vengazhiyil, Georgia Tech <i>Discrepancy-based Completely Randomized Design for A/B Testing Experiments</i> You Li, DePaul University <i>Embracing Experimental Design Thinking for Large-Scale Statistical Analysis</i> Peter Chien, U. of Wisconsin-Madison	Palace B Invited Session Data Science in New Mexico Organizer: Emily Casleton, Los Alamos National Laboratory Chair: Emily Casleton, Los Alamos National Laboratory <i>Overfitting in Bayesian Model Calibration of Functional Data Under Misspecified Models</i> Lauren Hund, Sandia National Laboratory <i>gibbSeq: A Fully Bayesian Multiple Testing Method for Differential Gene Expression</i> Oleg Makhnin, New Mexico Tech <i>Using Approximate Bayesian Computation to Infer Evolutionary Trees</i> James Degnan, U. of New Mexico
10:40-11:10 am	30 Minute Break		

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<p>11:10-11:55 am</p>	<p>Lamy Contributed Session: Cool Case Studies in Prediction Chair: Michael Grosskopf, Los Alamos National Laboratory</p> <p><i>Machine Learning Approaches for NASA Mission Support and Financial Systems Data to Predict Employee Travel Expenses</i> Andy Ramlatchan, NASA Langley Research Center</p> <p><i>Convex Clustering of Generalized Linear Model with Application on Purchase Likelihood Prediction</i> Shuyu Chu, Virginia Tech</p>	<p>Palace A Contributed Session: Predicting the Future: Warranty and Shelf-Life Chair: David Collins, Los Alamos National Laboratory</p> <p><i>Simple Approach to Calculate Random Effects Model Tolerance Intervals to Set Release Limits and Shelf-life Specification Limits of Pharmaceutical Products</i> Richard Montes, Hospira/Pfizer</p> <p><i>Warranty/Performance Text Exploration for Modern Reliability</i> Scott Wise, SAS Institute</p>	<p>Palace B Contributed Session: Fun With Computer Models Chair: Sham Bhat, Los Alamos National Laboratory</p> <p><i>Optimal Calibration for Computer Model Prediction with Finite Sample</i> Xiaowu Dai, U. of Wisconsin-Madison</p> <p><i>Functional Nonlinear Regression and Registration using Bayesian Adaptive Splines</i> Devin Francom, Los Alamos National Laboratory</p>
<p>12:00-1:30 pm</p>	<p>O'Keefe</p> <p>Lunch – QPRC/SRC Chair: Maria Weese</p> <p><i>JRC Student Awards</i></p> <p><i>Quality and Productivity Research Conference – 35 Years</i> Jeff Hooper, QPRC Steering Committee</p> <p><i>Spring Research Conference – 25 Years</i> Xinwei Deng, SRC Management Committee</p>		
<p>2:00-7:00 pm</p>	<p>Bradbury Science Museum, Los Alamos</p> <p>Technical Tour and Reception</p> <p>2:00 pm Depart for Bradbury Science Museum from Drury Plaza Hotel via Bus/Van 3:00-5:00 pm Visit Bradbury Science Museum 5:00-6:00 pm Reception at Bradbury Science Museum 6:00 Depart for Drury Plaza Hotel from Bradbury Science Museum via Bus/Van</p>		