

Technometrics

CONTENTS

Volume 64 Number 1 February 2022

EDITORIAL

Editorial Announcement
V. Roshan Joseph

ARTICLES

- Super Resolution for Multi-Sources Image Stream Data Using Smooth and Sparse Tensor Completion and Its Applications in Data Acquisition of Additive Manufacturing
Bo Shen, Rongxuan Wang, Andrew Chung Chee Law, Rakesh Kamath, Hahn Choo, and Zhenyu (James) Kong 2
- Individual Transition Label Noise Logistic Regression in Binary Classification for Incorrectly Labeled Data
Seokho Lee and Hyelim Jung 18
- Robust and Efficient Parametric Spectral Density Estimation for High-Throughput Data
Martin Lysy, Feiyu Zhu, Bryan Yates, and Aleksander Labuda 30
- High-Dimensional Cost-constrained Regression Via Nonconvex Optimization
Guan Yu, Haoda Fu, and Yufeng Liu 52
- Computer Model Emulation with High-Dimensional Functional Output in Large-Scale Observing System Uncertainty Experiments
Pulong Ma, Anirban Mondal, Bledar A. Konomi, Jonathan Hobbs, Joon Jin Song, and Emily L. Kang 65
- An Information Geometry Approach to Robustness Analysis for the Uncertainty Quantification of Computer Codes
Clement Gauchy, Jerome Stenger, Roman Sueur, and Bertrand Iooss 80
- Gaussian Process-Aided Function Comparison Using Noisy Scattered Data
Abhinav Prakash, Rui Tuo, and Yu Ding 92
- Accounting for Location Measurement Error in Imaging Data With Application to Atomic Resolution Images of Crystalline Materials
Matthew J. Miller, Matthew J. Cabral, Elizabeth C. Dickey, James M. LeBeau, and Brian J. Reich 103
- Industrial Forecasting With Exponentially Smoothed Recurrent Neural Networks
Matthew Dixon 114
- Prediction of Future Failures for Heterogeneous Reliability Field Data
Colin Lewis-Beck, Qinglong Tian, and William Q. Meeker 125
- BOOK REVIEWS** 139

