

S-ID	I/C	S-No	No.	Session title	Session organizer	Chair	paper No.	Authors	Paper title
1A1	I	11	I-11	Inequalities for order statistics and system lifetimes	Tomasz Rychlik	Tomasz Rychlik	32	Agnieszka Goroncy	Bounds on the expected differences of consecutive order statistics based on the increasing failure rate samples
							34	Mariusz Bieniek	Optimal bounds on total time on test for distributions with decreasing density or failure rate
							33	Patryk Mziufa	Moment comparison of ordered mixtures, with applications in reliability theory
1B1	I	16	I-16	Modeling and Analysis of Degradation Data	William Q. Meeker	William Q. Meeker	47	Houda Ghamlouch, Mitra Fouladirad, and Antoine Grall	Residual lifetime estimation and stochastic volatility: a case study
							48	Chien-Yu Peng and Hsueh-Fang Ai	A Study of Degradation Data with Measurement Errors
							49	Yili Hong and Jie Li	Spatio-temporal Modeling of Degradation Data Collected Over a Spatial Region
1C1	I	29	I-29	Software System Reliability I	Tadashi Dohi	Tadashi Dohi	87	Hiroaki Okamura and Tadashi Dohi	A Note on Variational Bayes Approach for Software Reliability Growth Model with Normal Distribution
							88	Yasuhiro Saito and Tadashi Dohi	Nonparametric Maximum Likelihood Estimator with Software Fault Count Data
							89	Xiao Xiao	Haar Wavelet Regression Model for NHPP-based Software Reliability Assessment
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							73	Zhipeng Feng	Application of synchrosqueezing transform to planetary gearbox fault diagnosis under nonstationary conditions
							74	Zhiliang Liu	Feature Ranking Based on Multi-Metric Fusion for Bearing Fault Diagnosis
1E1	I	13	I-13	Maintenance Modeling I	Min XIE	Min XIE	38	Laurent Doyen, Olivier Gaudoin, and Syamsundar Annamraju	On Geometric Reduction of Age or Intensity Models for Imperfect Maintenance
							39	Bin Liu, Ruey Hwei Yeh, and Way Kuo	Inspection Scheduling for Multi-component Systems with Hidden Failures
							40	Mitra Fouladirad, Christian Paroissin, and Antoine Grall	Sensitivity analysis for the block replacement policy
1F1	I	17	I-17	Multi-state and Continuous-state System Reliability	Anatoly Lisnianski and Gregory Levitin	Anatoly Lisnianski	50	Y.H. Lin, Y.F. Li, and E. Zio	Integration of Fault Tree Analysis and Piecewise Deterministic Markov Process for the Reliability Assessment of a System Made of Components with Multiple Dependent Competing Degradations
							51	Shey-Huei Sheu, Chin-Chih Chang, and Zhe George Zhang	Optimal Imperfect Preventive Maintenance Policy for a Multi-state System with Minimal Repair and Effective Age
							52	Anatoly Lisnianski and Ilya Frenkel	On Sensitivity Analysis for Multi-state System by Using Lz-transform
							53	G. Levitin and L. Xing	State-space event transition method for evaluating mission reliability, time and cost
							54	PING-CHEN CHANG & LANCE FIONDELLA	Confidence-based Reliability Modeling of a Stochastic-Flow Production system
						L. Khvatskin	55	Fumio Ohi	Stochastic Evaluation Methods of Multi-state Systems via Modular Decompositions - A Case of Partially Ordered States -
							56	Chaonan Wang, Liudong Xing, and Rui Peng	COMPETING FAILURE ANALYSIS IN PHASED-MISSION SYSTEMS WITH GLOBAL AND SELECTIVE PROPAGATION EFFECTS
							57	Mu-Xia Sun, Yan-Fu Li, Enrico Zio	A Dynamic Programming Approach for the Efficient Reliability Evaluation of Multi-State Series-Parallel System
							58	Tian Zhang, Rui Peng, Wenbin Wang, Qingqing Zhai, and Yi Ding	Optimal inspection and replacement strategy for systems subject to two types of failures
							59	I. Frenkel, A. Lisnianski, and L. Khvatskin	IMPORTANCE ASSESSMENT OF AGING MULTI-STATE WATER COOLING SYSTEM BY LZ-TRANSFORM METHOD
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							2	Jan Bredlich, Yisha Xiang, Tongdan Jin, and Edward Pohl	Joint planning for preventive maintenance and multi-echelon stocking
							3	Chao Fang	RISK CLUSTERING AND IMPORTANCE RANKING IN ENGINEERING PROJECTS
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							9	Maurizio Guida, Fabio Postiglione and Gianpaolo Pulcini	A Bayesian estimation procedure for the non-homogeneous Gamma process
							89	Uwe Jensen	Reliability Prediction Using Regression Models
2A2	C	I-11	C-I-11	Stochastic ageing			24	F. German Badia and Carmen Sanguesa	Negative ageing properties for counting processes arising in virtual age models
							63	Antonio Gómez-Arriaza, Félix Belzunce, Julio Mulero and Alfonso Suárez-Llorens	On a New Definition of the Multivariate IFR Notion based on the Standard Construction
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							103	Franco Pellerey	STANDARD STOCHASTIC ORDERS AND JOINT STOCHASTIC ORDERS: CONDITIONS ON SURVIVAL COPULAS FOR MUTUAL RELATIONSHIPS
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							44	Ren Yan Jiang	A two-fold mixed power-law model with a time-varying mixture proportion for modeling failure intensity
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							55	Tomasz Rychlik and Pawel Kozyra	Optimal evaluations of expected L-statistics gauged in the Gini mean difference units
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							18	Kassandra Fronczyk, Rebecca Dickinson, Alyson Wilson, Caleb Browning, and Laura Freeman	Bayesian Hierarchical Models for Common Components across Multiple System Configurations
							17	Caleb Browning, Laura Freeman, Alyson Wilson, Rebecca Dickinson, and Kassandra Fronczyk	Estimating System Reliability from Heterogeneous Data
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							20	Yincai Tang and Pingping Wang	Bayesian Inference for degradation Data with one Change Point
							21	Shun-Lin Jeng	Failure Predictions for the Warranty Analysis Utilizing the Historical Data of Similar Products
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							16	Huan Yu and Jun Yang	Circular multi-state consecutively-connected systems with dual constraints of m consecutive gaps and n total gaps
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							109	Francisco J. Samaniego and Jorge Navarro	On Compartment Systems with Heterogeneous Components via Survival Signatures
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							33	Qingqing Zhai, Jun Yang, Rui Peng and Yu Zhao	Reliability evaluation of warm standby systems based on multivalued decision diagram-An automatic approach
2D2	C	I-10	C-I-10	Maintenance/Repair models			34	Dong Wang, Ping Jiang and Bo Guo	Involvement of Dependency Uncertainties in Fault Tree Analysis Using Hybrid Approach
							94	Bermawi P. Iskandar, Hennie Husniah, Ujjianna S. Pasaribu and Andi Cakravastia	MAINTENANCE CONTRACT WITH DYNAMIC OPERATING CONDITION
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							60	Ding Hsiang Huang and Yikwei Lin	System reliability of a hybrid flow-shop with a due day
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							18	Zeina Al Masry, Sophie Mercier and Ghislain Verdier	Simulation techniques and approximated distribution of an extended Gamma process
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							51	Hiroshi Shida, Hirofumi Oogushi, Yoshinobu Higami, Hirohisa Aman and Hiroshi Takahashi	A PROPOSAL OF MAINTENANCE COST MODEL OF TRACK CIRCUITS
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							10	Xiaoling Xu, Ronghua Wang and Beiqing Gu	STATISTICAL ANALYSIS OF TYPE-I CENSORED MASKED DATA FOR SERIES SYSTEM UNDER PROCESS-STRESS ACCELERATED LIFE TEST
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							40	Nicolas Bousquet and Franck Corset	Exploring the consistency of maximum likelihood estimator of imperfect repair ARA\$ 1\$ models computed from a single trajectory
							41	Franck Corset and Yann Dijoux	A Better-Than-New Repair model
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							53	G. Levitin and L. Xing	State-space event transition method for evaluating mission reliability, time and cost
							54	PING-CHEN CHANG & LANCE FIONDELLA	Confidence-based Reliability Modeling of a Stochastic-Flow Production system

						55	Fumio Ohi	Stochastic Evaluation Methods of Multi-state Systems via Modular Decompositions – A Case of Partially Ordered States –
						56	Chaonan Wang, Liudong Xing, and Rui Peng	COMPETING FAILURE ANALYSIS IN PHASED-MISSION SYSTEMS WITH GLOBAL AND SELECTIVE PROPAGATION EFFECTS
2F4	I	19	I-19	Multi-state and Continuous-state System Reliability	Anatoly Lisnianski and Gregory Levitin	L. Khvatskin		A Dynamic Programming Approach for the Efficient Reliability Evaluation of Multi-State Series-Parallel System
						57	Mu-Xia Sun, Yan-Fu Li, Enrico Zio	Optimal inspection and replacement strategy for systems subject to two types of failures
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							47	Hailong Jing, Yunxia Chen and Rui Kang
							74	Pin-Wei Chiang, Wei-Chun Hung, Ruey-Huei Yeh, Hui-Syuan Huang and Wen Liang Chang
							17	Hassane Chraïbi, Aurelie Leger, Herve Barthelemy and Coraline Neiss Gaspard
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							37	(Tony) Jianguo Sun
							23	William Volterman
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							25	Hideki Nagatsuka
							26	Yandan Yang, Hon Keung Tony Ng and Narayanaswamy Balakrishnan
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							28	Toshinari Kamakura
							90	Mitsuhiro Kimura, Naomichi Hata, and Takaji Fujiwara
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							92	Qingpei Hu and Lujia Wang
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							11	Zhisheng Ye
							12	Xingqiu Zhao
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							14	Man-Ho Ling, Hon Yiu So, and Narayanaswamy Balakrishnan
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							46	Satoshi Mizutani and Toshio Nakagawa
							7	Maxim Finkelstein and Ilya Gertsbakh
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							9	Trifon I. Missov and James W. Vaupel
							1	Zongke He, Zhengrong Shen and Debin Cheng
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							42	Wei-Chang Yeh, Haw-Sheng Wu and Chyh-Ming Lai
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							116	Konul Bayramoglu
							118	Bharatendra Rai
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							75	Tim Bedford
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							77	Takeshi Matsuoka
							78	Vasily Krivtsov, Michael Frankstein, and Alex Yevkin
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							80	Edsel A. Pena and Piaomu Liu
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							101	Fotios Milienos, Narayanaswamy Balakrishnan, and Markos Koutras