



Conference Day 1 - Monday, 3 June 2019

Note: All happening at Yeung Kin Man Academic Building (unless otherwise specified)

12:30 - 17:30 Conference Registration Venue: Yellow Zone, University Concourse, 4/F

14:00 - 15:45 Opening Ceremony and Keynotes Venue: Tin Ka Ping Lecture Theatre (LT-1), 4/F

14:00 Opening Remarks & Welcome Speech

Way KUO - President, City University of Hong Kong

Session Chair: Nozer SINGPURWALLA

[14:15 Keynote - Tim BEDFORD, University of Strathclyde](#)

["Requisite Reliability Modelling in Complex Engineered Systems"](#)

[15:00 Keynote - Thomas A. MAZZUCHI, George Washington University](#)

["Exploring the Use of Expert Judgment in Risk Analysis"](#)

15:45 - 16:15 PM Break Venue: Yellow Zone, University Concourse 4/F

16:15 - 17:45 PM Oral Sessions Venue: Classrooms, 5/F

B5-208		B5-209		B5-210	
Qiuzhuang SUN	Syamsundar ANNAMRAJU	Olivier GAUDOIN	Chi ZHANG	Ed POHL	David COIT
R12.a Maintenance Modeling and Analysis		R06.a Degradation Modeling and Analysis		S07 Mathematical and Statistical Methods for Reliability Improvement	
1087	1024	1106	1110	3125	3126
1005	1036	1136	1119	3077	
1017		1096		3081	
B5-308		B5-309		B5-310	
Christian PAROISSIN	Tomasz RYCHLIK	Mahesh PANDEY	Zhisheng YE	Yu LIU	Min OUYANG
S08 Load Sharing Systems		S10 Stochastic Processes for Degradation Analysis		S12 Multi-State System Reliability	
3024	3097	3060	3155	3063	3059
3039		3152	3165	3119	3083
3096		3154		3167	

18:00 - 19:00 Welcome Reception Venue: Yellow Zone, University Concourse, 4/F

Conference Day 2 - Tuesday, 4 June 2019

Note: All happening at Yeung Kin Man Academic Building (unless otherwise specified)

08:00 - 17:30 Conference Registration Venue: Classrooms 5/F

09:00 - 10:30 Keynotes Venue: Tin Ka Ping Lecture Theatre (LT-1), 4/F

Session Chair: N. BALAKRISHNAN

[09:00 Keynote - D.N.P. \(Pra\) MURTHY, University of Queensland](#)

["Maintenance: Education and Research"](#)

[09:45 Keynote - Kishor TRIVEDI, Duke University](#)

["Challenges in Modeling Complex Systems"](#)

10:30 - 11:00 AM Break Venue: B5-211 & B5-311, 5/F

11:00 - 12:30 AM Oral Sessions Venue: Classrooms, 5/F

B5-208		B5-209		B5-210	
Jose Emmanuel RAMIREZ-MARQUEZ	Huadong MO	Zhaojun LI	Syamsundar ANNAMRAJU	Chaonan WANG	Wenjin ZHU
R01 Accelerated Testing and Degradation Modelling		R05 Decision Making in Reliability		S09 Decision Diagrams in Reliability and Risk Analysis	
1013	1167	1111	1152	3066	3014
1039	3123	1089	1139	3004	3108
1049		1108	1047	1085	3068

Conf Day 2 - cont'd

11:00 - 12:30 AM Oral Sessions <i>Venue: Classrooms, 5/F</i>					
B5-308		B5-309		B5-310	
Vasiliy KRIVTSOV	Pierre DERSIN	Indranil GHOSH	Man Ho LING	Qianmei FENG	Rong PAN
S02 MMR in Industrial Applications		S19 Statistical Models and Methods for Reliability Analysis		S24.a Degradation Modeling and Analysis	
3006	3141	3101	3020	3015	3161
3008		3136		3003	3072
3035		3012		3048	
12:30 - 14:00 Lunch <i>Venue: James Liu Multi-Purpose Room, 4/F, Bank of China (Hong Kong) Complex</i>					
14:00 - 15:30 PM1 Oral Sessions <i>Venue: Classrooms, 5/F</i>					
B5-208		B5-209		B5-210	
Fode ZHANG	Bin LIU	Lesley WALLS	Yimin WEI	Yili HONG	Lu LU
R12.b Maintenance Modeling and Analysis		R06.b Degradation Modeling and Analysis		S01 Recent Advances on Reliability Inference and Tests	
1046	1118	1051	1155	3011	3043
1052		1055	1100	3033	
1107		1156		3040	
B5-308		B5-309		B5-310	
Vladimir RYKOV	Dmitry KOZYREV	Hon Keung Tony NG	Debanjan MITRA	Qianmei FENG	Christian PAROISSIN
S14 Sensitivity Analysis in Reliability		S18 Analysis of Censored and Incomplete Reliability Data		S24.b Degradation Modeling and Analysis	
3055	3162	3130	3070	3128	3041
3073	1129	3135		3132	
		3104		3037	
15:30 - 16:00 PM Break <i>Venue: B5-211 & B5-311, 5/F</i>					
16:00 - 17:30 PM2 Oral Sessions <i>Venue: Classrooms, 5/F</i>					
B5-208		B5-209		B5-210	
Huadong MO	Kevin WILSON	Takeshi EMURA	Lu JIN	Raimondo MANCA	Anatolij MALYARENKO
R02 Bayesian Methods in Reliability		R26 Structural Reliability		S16 Markov and Semi-Markov Models in Reliability Applications	
1018	1088	1115	1160	3042	3122
1023	1007	1131	1164	3049	
1045	1135	1159	1166	3050	
B5-308		B5-309		B5-310	
Yili HONG	Edsel PENA	Maria KATERI	Udo KAMPS	Mitra FOULADIRAD	Nicolas BOUSQUET
S17 Modeling and Analysis of Multivariate Degradation Data		S23 Modeling Lifetime of Batteries		S34 Extreme Value Models	
3163	3069	3058	3047	3056	
3028		3085		3057	
3031		3087		3100	
Conference Day 3 - Wednesday, 5 June 2019					
Note: All happening at Yeung Kin Man Academic Building (unless otherwise specified)					
08:00 - 17:30 Conference Registration <i>Venue: Classrooms 5/F</i>					
09:00 - 10:30 Keynotes <i>Venue: Tin Ka Ping Lecture Theatre (LT-1), 4/F</i>					
Session Chair: Min XIE					
09:00 Keynote - Masaaki KIJIMA, Hiroshima University					
"Transition from Mathematical Reliability to Financial Engineering"					
09:45 Keynote - Xiaoyan ZHU, University of Chinese Academy of Sciences					
"Two-Stage Stochastic Programming Approach for Combined Redundancy Allocation and Preventive Maintenance Planning Under Uncertain Future Usages "					
10:30 - 11:00 AM Break <i>Venue: B5-211 & B5-311, 5/F</i>					

Conf Day 3 - cont'd

11:00 - 12:30 AM Oral Sessions <i>Venue: Classrooms, 5/F</i>					
B5-208		B5-209		B5-210	
Sunoj S.M	Mingjian ZUO	Yimin WEI	Jayant DESHPANDE	Refik SOYER	Kanchan JAIN
R12.c Maintenance Modeling and Analysis		R03 Case Studies in Reliability Analysis		S26 Bayesian Methods for Reliability	
1147	1053	1057	1163	3149	3158
1093	1109	1058	1090	3156	3053
1146	1044	1141	1035	3157	
B5-308		B5-309		B5-310	
Weiwen PENG	Qingqing ZHAI	Xiao-Yang LI	Jun YANG	Yiliu LIU	Huixing MENG
S20 Stochastic Process-based Degradation Modeling and Inference		S36 Belief Reliability Theory		S37 Reliability Modeling in Offshore and Marine Engineering	
3021	3054	3051	3034	3089	3129
3022	3103	3074	3113	3090	3133
3144		3082		3099	
12:30 - 14:00 Lunch <i>Venue: James Liu Multi-Purpose Room, 4/F, Bank of China (Hong Kong) Complex</i>					
14:00 - 15:30 PM1 Oral Sessions <i>Venue: Classrooms, 5/F</i>					
B5-208		B5-209		B5-210	
Richard ARNOLD	Nicolas BOUSQUET	Jie LIU	Chien-Tai LIN	Eduardo SAENZ-DE-CABEZON	Huadong MO
R13 Multi-State and Continuous-State System Reliability		R16 Optimization Methods in Reliability		S21 Mathematical Analysis of Multistate Systems	
1022	1161	1038	1059	3071	3092
1027	1117	1084	1104	3098	3114
1040	1124	1056		3151	
B5-308		B5-309		B5-310	
Sankaran PADUTHOL	Sudheesh KATTUMANNIL	Yan-Fu LI	Christophe BERENQUER	Xiaoyan ZHU	Xiujie ZHAO
S15.a Lifetime Data Analysis		S22.a Predictive Maintenance		S25.a Reliability Evaluation and Maintenance Optimization for Complex Systems	
3030	3140	3065	3116	3061	3127
3118	3016	3084	1145	3064	1032
15:30 - 16:00 PM Break <i>Venue: B5-211 & B5-311, 5/F</i>					
16:00 - 17:30 PM2 Oral Sessions <i>Venue: Classrooms, 5/F</i>					
B5-208		B5-209		B5-210	
Qiuzhuang SUN	Yu HAYAKAWA	Christian TANGUY	Kevin WILSON	Chi ZHANG	Jose Emmanuel RAMIREZ-MARQUEZ
R27 Warranty Modeling and Analysis		R11 Lifetime Distributions Theory		S04 Resilience Evaluation and Optimization for Networked Systems	
1010	1153	1016	1143	3102	
1015		1130	1025	3142	
1034		1133	1120	3168	
B5-308		B5-309		B5-310	
Sankaran PADUTHOL	Sudheesh KATTUMANNIL	Yan-Fu LI	Christophe BERENQUER	Xiaoyan ZHU	David COIT
S15.b Lifetime Data Analysis		S22.b Predictive Maintenance		S25.b Reliability Evaluation and Maintenance Optimization for Complex Systems	
3018	1028	3107	3153	3009	3036
3027	3138	3145	3147	3005	
18:00 - 20:00 Conference Banquet (Requires Advance Booking) <i>Venue: 19/F, Lau Ming Wai Academic Building</i>					
<u>Dinner Speech: Asaf HAJIYEV, Azerbaijan National Academy of Sciences</u> "KOLMOGOROV STORIES"					

Conference Day 4 - Thursday, 6 June 2019

Note: All happening at Yeung Kin Man Academic Building (unless otherwise specified)

08:00 - 10:30 Conference Registration <i>Venue: Classrooms, 5/F</i>					
09:00 - 10:30 AM1 Oral Sessions <i>Venue: Classrooms, 5/F</i>					
B5-208		B5-209		B5-210	
Xun XIAO	Edsel PENA	Debasis KUNDU	Maria KATERI	Lu JIN	Yao CHENG
R25 Stochastic Processes in Reliability		R14 Network Reliability		S29 Performance Oriented Reliability Testing and System Monitoring	
1123	1105	1011	1083	3045	3148
1037	1154	1008	1094	3115	3105
1142		1041		3120	
B5-308		B5-309		B5-310	
Uttara NALK-NIMBALKAR	Isha DEWAN	Eric BEUTNER	Takeshi EMURA	Jorge NAVARRO	Serkan ERYILMAZ
S30.a Modeling and Inference in Reliability		S31 Semi - and Nonparametric Methods in Reliability and Lifetime Analysis		S11 Coherent Systems	
3086	3075	3029	3134	3038	3046
3112	3159	3062	3094	3079	
10:30 - 11:00 AM Break <i>Venue: B5-211 & B5-311, 5/F</i>					
11:00 - 12:30 AM2 Oral Sessions <i>Venue: Classrooms, 5/F</i>					
B5-208		B5-209		B5-210	
Weiwen PENG	Christopher GOTWALT	Inez ZWETSLoot	Arne HUSEBY	Jie LIU	Yincai TANG
R04 Computational Methods in Reliability		R15 Online Monitoring		S27 Hybrid Methods/Models for Prognostics and Health Management	
1030	1151	1019	1127	3121	3150
1125		1121	1114	3091	
1157		1149		3093	
B5-308		B5-309		B5-310	
Uttara NALK-NIMBALKAR	Isha DEWAN	Sudipta DAS	Ashis Kr. CHAKRABORTY	Min XIE	
S30.b Modeling and Inference in Reliability		S32 Software Testing: Reliability and Optimization		<i>Round Table Discussion Reliability – from Mathematics to Management</i>	
3110	3080	3117	3166	<i>Sponsored by IEEE Technology Management Society Hong Kong Chapter</i>	
3111	1031	3143			
12:30 - 14:00 Lunch <i>Venue: James Liu Multi-Purpose Room, 4/F, Bank of China (Hong Kong) Complex</i>					