



### 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
<b>R12.a Maintenance Modeling and Analysis</b>		<b>R06.a Degradation Modeling and Analysis</b>		<b>S07 Mathematical and Statistical Methods for Reliability Improvement</b>	
1087	1024	1106	1096	3125	3126
1005	1036	1136	1110	3077	
1017		1095	1119	3081	
B5-308		B5-309		B5-310	
Christian PAROISSIN	Tomasz RYCHLIK	Mahesh PANDEY	Zhisheng YE	Yu LIU	Min OUYANG
<b>S08 Load Sharing Systems</b>		<b>S10 Stochastic Processes for Degradation Analysis</b>		<b>S12 Multi-State System Reliability</b>	
3024	3097	3060	3155	3063	3059
3039		3152		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	Zhihua WANG	Zhaojun LI	Syamsundar ANNAMRAJU	Chaonan WANG	Wenjin ZHU
<b>R01 Accelerated Testing and Degradation Modelling</b>		<b>R05 Decision Making in Reliability</b>		<b>S09 Decision Diagrams in Reliability and Risk Analysis</b>	
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>					
<b>B5-308</b>		<b>B5-309</b>		<b>B5-310</b>	
Vasiliy KRIVTSOV	Pierre DERSIN	Indranil GHOSH	Man Ho LING	Qianmei FENG	Rong PAN
<b>S02 MMR in Industrial Applications</b>		<b>S19 Statistical Models and Methods for Reliability Analysis</b>		<b>S24.a Degradation Modeling and Analysis</b>	
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>					
<b>B5-208</b>		<b>B5-209</b>		<b>B5-210</b>	
Fode ZHANG	Bin LIU	Changcong ZHOU	Yimin WEI	Yili HONG	Lu LU
<b>R12.b Maintenance Modeling and Analysis</b>		<b>R06.b Degradation Modeling and Analysis</b>		<b>S01 Recent Advances on Reliability Inference and Tests</b>	
1046	1118	1051	1155	3011	3043
1052		1055	1100	3033	
1107		1156		3040	
<b>B5-308</b>		<b>B5-309</b>		<b>B5-310</b>	
Vladimir RYKOV	Dmitry KOZYREV	Hon Keung Tony NG	Debanjan MITRA	Qianmei FENG	Christian PAROISSIN
<b>S14 Sensitivity Analysis in Reliability</b>		<b>S18 Analysis of Censored and Incomplete Reliability Data</b>		<b>S24.b Degradation Modeling and Analysis</b>	
3055	3162	3130	3070	3128	3041
3073	1129	3135		3132	
3165		3104		3037	
15:30 - 16:00 PM Break <i>Venue: B5-211 &amp; B5-311, 5/F</i>					
16:00 - 17:30 PM2 Oral Sessions <i>Venue: Classrooms, 5/F</i>					
<b>B5-208</b>		<b>B5-209</b>		<b>B5-210</b>	
Zhihua WANG	Kevin WILSON	Takeshi EMURA	Lu JIN	Raimondo MANCA	Anatolij MALYARENKO
<b>R02 Bayesian Methods in Reliability</b>		<b>R26 Structural Reliability</b>		<b>S16 Markov and Semi-Markov Models in Reliability Applications</b>	
1018	1088	1115	1160	3042	3122
1023	1007	1131	1164	3049	
1045	1135	1159	1166	3050	
<b>B5-308</b>		<b>B5-309</b>		<b>B5-310</b>	
Yili HONG	Edsel PENA	Maria KATERI	Udo KAMPS	Mitra FOULADIRAD	Nicolas BOUSQUET
<b>S17 Modeling and Analysis of Multivariate Degradation Data</b>		<b>S23 Modeling Lifetime of Batteries</b>		<b>S34 Extreme Value Models</b>	
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 &amp; B5-311, 5/F</i>					

Conf Day 3 - cont'd

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

**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
<b>R25 Stochastic Processes in Reliability</b>		<b>R14 Network Reliability</b>		<b>S29 Performance Oriented Reliability Testing and System Monitoring</b>	
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
<b>S30.a Modeling and Inference in Reliability</b>		<b>S31 Semi - and Nonparametric Methods in Reliability and Lifetime Analysis</b>		<b>S11 Coherent Systems</b>	
3086	3075	3029	3134	3038	3046
3112	3159	3062	3094	3079	
10:30 - 11:00 AM Break <i>Venue: B5-211 &amp; 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
<b>R04 Computational Methods in Reliability</b>		<b>R15 Online Monitoring</b>		<b>S27 Hybrid Methods/Models for Prognostics and Health Management</b>	
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	
<b>S30.b Modeling and Inference in Reliability</b>		<b>S32 Software Testing: Reliability and Optimization</b>		<i>Round Table Discussion Reliability – from Mathematics to Management Sponsored by IEEE Technology Management Society Hong Kong Chapter</i>	
3110	3080	3117	3166		
3111	1031	3143			
12:30 - 14:00 Lunch <i>Venue: James Liu Multi-Purpose Room, 4/F, Bank of China (Hong Kong) Complex</i>					