

2019 International Conference on Sensing, Diagnostics, Prognostics, and Control (SDPC 2019)
&
2019 International Conference on Cycle-Life Quality, Reliability and Control Technology (CLQRC 2019)
Beijing Institute of Technology, Beijing, China
August 15-17, 2019

CONFERENCE PROGRAM

8/15/2019	THURSDAY
10:00 - 19:30	Registration (Hotel Lobby)

8/16/2019	FRIDAY
8:00 - 18:00	Registration (Hotel Lobby)
9:00 - 18:00	INDUSTRY EXHIBITION Sponsorship Chair: Dr. Jiufei Luo
9:00 - 9:30	Conference Opening (BC Hall, Hotel 2nd Floor) Dr. Jie Peter Liu - Honorary General Chair, SDPC & CLQRC 2019; Associate Professor, Carleton University, Canada
	Conference Overview Dr. Xiaojian Yi - General Chair of SDPC & CLQRC 2019; Beijing Institute of Technology/China North Vehicle Research Institute, China
	Initiative of RAMS Center Dr. Ruijiao Cai, Founder of RAMS Center; Professor, Beijing Institute of Technology, China
	Initiative of China Measurement Control Industry Development Consortium, CMCIDC Mr. Zhongdong Jiang, President, Beijing Aerospace Measurement & Control Technology CO., LTD, China
9:30 - 10:30	Keynote - 1 (Chair: Dr. Bin Zhang) High Dimensional Streaming Data Modeling, Monitoring, Diagnosis, and Prognostics Dr. Jianjun Shi, Member of NAE of USA; EIC of IISE Transactions; Fellow of IISE, ASME, and INFORMS; Professor, Georgia Institute of Technology, USA
10:30 - 11:00	Morning Break
11:00 - 12:00	Keynote - 2 (Chair: Dr. Fangyi Wan) Advanced Model Predictive Control (MPC) for Autonomous Underwater Vehicle Systems Dr. Yang Shi, Fellow of EIC, IEEE, ASME, CSME; Professor, University of Victoria, Canada
12:00 - 13:30	Lunch (YueGe Cafeteria, Hotel 1st Floor)
13:30 - 14:25	Keynote - 3 (Chair: Dr. Yaguo Lei) Recent Development and Challenges in Real-time Machinery Health Condition Monitoring Dr. Wilson Wang, Fellow of International Society of Engineering Asset Management; Professor, Lakehead University, Canada
14:25 - 15:20	Keynote - 4 (Chair: Dr. Yixiang Huang) Uncertainty-based Missile Overall Design Optimization Dr. Hairui Zhang, Chief Engineer of Series Missile Projects and the Academic Leader of the Aircraft Technology of the Group Company, China Academy of Launch Vehicle Technology, China
15:20 - 15:40	Afternoon Break
15:40 - 16:35	Keynote - 5 (Chair: Dr. Yingshun Li) A Sampled-data Approach to Analysing Complex Networks Dr. Zidong Wang, Fellow of IEEE; Professor, Brunel University London, UK
16:45 - 17:45	Panel Talk/Meeting with Editor-in-Chiefs of SCI Journals & Experts (Chair: Dr. Huina Mu) Dr. Jianjun Shi, Dr. Zidong Wang, Dr. Yang Shi, Dr. Wilson Wang, Dr. Park Ju Hyun, Dr. Shunfeng Su, Dr. Hak-Keung Lam & Participating Experts
18:30 - 20:30	Conference Banquet, Best Paper Awards Announcement (BC Hall, Hotel 2nd Floor)

8/17/2019	SATURDAY					
8:00 - 17:00	Registration (Hotel Lobby)					
9:00 - 17:00	INDUSTRY EXHIBITION (Room # 5) Sponsorship Chair: Dr. Jiufei Luo					
	Room # 6	Room # 7	Room # 8	Room # 9	Room # 10	Room # 3
9:00 - 10:30	Monitoring, Diagnostic and Prognostic Methods (Chair: Dr. Guoliang Lu)	Intelligent Systems (Chairs: Dr. Liqun Hou, Dr. Zhao Yao)	Aircraft Design and Testing (Chair: Dr. Shuo Chang)	Data-driven and Model-based Methods (Chair: Dr. Bin Zhang)	Cycle-life Quality, Reliability and Control (Chairs: Dr. Juanjuan Shi, Dr. Jun Cheng)	Posters Chair: Dr. Shaowei Chen
	Paper #: 9 Paper #: 12	Paper #: 4 Paper #: 27	Paper #: 14 Paper #: 22	Paper #: 36 Paper #: 113	Paper #: 13 Paper #: 54	Paper #: 21, 25, 39, 72, 91, 98, 110, 129, 130, 135, 164, 171, 176, 187, 195, 216, 253, 260, 267, 305, 307
	Paper #: 41 Paper #: 45	Paper #: 67 Paper #: 75	Paper #: 66 Paper #: 99	Paper #: 117 Paper #: 221	Paper #: 53 Paper #: 64	
Paper #: 50 Paper #: 58	Paper #: 114 Paper #: 59	Paper #: 74 Paper #: 220	Paper #: 272 Paper #: 235	Paper #: 65 Paper #: 68		
10:30 - 11:00	Morning Break					
	Room # 6	Room # 7	Room # 8	Room # 9	Room # 10	Room # 3
11:00 - 12:30	Cycle-life Quality, Reliability and Control (Chairs: Dr. Jun Wang, Dr. Dongpao Hong)	Monitoring, Diagnostic and Prognostic Methods (Chair: Dr. Yixiang Huang)	Industrial Big Data Based PHM (Chairs: Dr. Bin Zhang, Dr. Qing Zhou)	Control Technology and System (Chair: Dr. Tamer Helmy Abdelhamid Hassan)	Monitoring, Diagnostic and Prognostic Methods (Chair: Dr. Yaguo Lei)	Posters Chair: Dr. Shaowei Chen
	Paper #: 69 Paper #: 71	Paper #: 11 Paper #: 19	Paper #: 17 Paper #: 298	Paper #: 3 Paper #: 10	Paper #: 73 Paper #: 84	Paper #: 18, 28, 44, 57, 60, 119, 122, 132, 173, 181, 186, 190, 192, 202, 224, 236, 239, 258, 278, 284, 297
	Paper #: 93 Paper #: 237	Paper #: 42 Paper #: 46	Paper #: 120 Paper #: 257	Paper #: 16 Paper #: 33	Paper #: 96 Paper #: 104	
Paper #: 294 Paper #: 211	Paper #: 51 Paper #: 61	Paper #: 296	Paper #: 35 Paper #: 40	Paper #: 107 Paper #: 111		
12:30 - 14:00	Lunch (YueGe Cafeteria, Hotel 1st Floor)					
	Room # 6	Room # 7	Room # 8	Room # 9	Room # 10	Room # 3
14:00 - 15:30	Control Technology and System (Chairs: Dr. Shaowei Chen, Dr. Xuepeng Zhang)	Cycle-life Quality, Reliability and Control (Chairs: Dr. Huina Mu, Dr. Yingshun Li)	Safety and Risk Estimation (Chair: Dr. Yunpeng Zhang)	Monitoring, Diagnostic and Prognostic Methods (Chairs: Dr. Zhinong Li, Dr. Jian Shen)	Life and Performance Prediction (Chair: Dr. Wenliao Du)	Posters Chair: Dr. Shaowei Chen
	Paper #: 78 Paper #: 123	Paper #: 70 Paper #: 81	Paper #: 5 Paper #: 7	Paper #: 83 Paper #: 95	Paper #: 6 Paper #: 31	Paper #: 23, 38, 80, 86, 124, 137, 165, 168, 169, 175, 177, 182, 185, 191, 197, 198, 205, 223, 254, 280, 306
	Paper #: 217 Paper #: 222	Paper #: 97 Paper #: 115	Paper #: 15 Paper #: 55	Paper #: 103 Paper #: 105	Paper #: 43 Paper #: 102	
Paper #: 225 Paper #: 231	Paper #: 210 Paper #: 213	Paper #: 76 Paper #: 82	Paper #: 108 Paper #: 116	Paper #: 127 Paper #: 214		
15:30 - 16:00	Afternoon Break					
	Room # 6	Room # 7	Room # 8	Room # 9	Room # 10	Room # 3
16:00 - 17:30	Monitoring, Diagnostic and Prognostic Methods (Chair: Dr. Wilson Wang)	Neural Networks (Chairs: Dr. Yingshun Li, Dr. Huina Mu)	General Paper Session (Chair: Dr. Fangyi Wan)	Monitoring, Diagnostic and Prognostic Methods (Chair: Dr. Monika Tanwar)	Cycle-life Quality, Reliability and Control (Chair: Dr. Ge Xin)	Posters Chair: Dr. Shaowei Chen
	Paper #: 118 Paper #: 121	Paper #: 52 Paper #: 77	Paper #: 8 Paper #: 228	Paper #: 126 Paper #: 128	Paper #: 283 Paper #: 227	Paper #: 24, 34, 63, 90, 131, 139, 146, 157, 174, 180, 184, 189, 194, 196, 207, 215, 229, 232, 233, 238, 269
	Paper #: 256 Paper #: 133	Paper #: 100 Paper #: 212	Paper #: 47 Paper #: 48	Paper #: 109 Paper #: 134	Paper #: 230 Paper #: 255	
Paper #: 218 Paper #: 241	Paper #: 226 Paper #: 295	Paper #: 49 Paper #: 106	Paper #: 293			
17:30	Conference Adjourn (Dinner: YueGe Cafeteria, Hotel 1st Floor)					