



第十一届国际可靠性、维修性、安全性会议(ICRMS'2016)

尊敬的_____先生/女士，您好！

第十一届国际可靠性、维修性、安全性会议(ICRMS'2016)将于2016年10月在杭州召开。

会议通知

第十一届国际可靠性、维修性、安全性会议(ICRMS'2016)将于2016年10月在杭州召开。

本届会议的主题是：“融合大数据，提高可靠性，服务个性化”。会议内容涵盖机械工程、航空、航天、交通、电力、石化、土木结构、电子电气、通讯、计算机网络等领域。



第十一届国际可靠性、维修性、安全性会议(ICRMS'2016)

大会将邀请国际知名专家学者做大会报告、邀请报告、分会场交流和论文墙报展示，以多种方式呈现可靠性、维修性、安全性理论、方法与技术的前沿方向、发展动态、最新成果和应用案例。

本届会议将由浙江理工大学、机械工程学会可靠性工程分会以及浙江省机电产品可靠性技术研究重点实验室承办。





(杨学山出席第十届国际可靠性、维修性、安全性会议)

预计会议规模500人，其中国内学者300余人，境外学者100多人。与会人员将包括国内外RMS领域的专家学者、工程技术人员和工程管理人员。大会将出版会议论文集，以及可靠性、维修性、安全性方面的学术期刊专刊，大会论文集论文将由EI收录。大会还将组织可靠性、维修性、安全性相关技术及软硬件产品展览、专题讲座与培训。

ICRMS (International Conference on Reliability, Maintainability and Safety)是由中国机械工程学会、中国仪器仪表学会、中国兵工学会、中国宇航学会、中国航空学会、中国现场统计学会以及中国电子学会等七家中国一级学会共同发起的亚太地区历史最悠久的可靠性、维修性、安全性(RMS)国际系列学术会议。自1992年起，ICRMS已成功举办了十届，学术影响力日趋扩大，为世界各国RMS学者提出了一个有效的交流与展示平台。ICRMS一贯致力于国际间有关RMS理论、方法、技术及应用的交流，对促进RMS的发展，搭建国际RMS学术论坛发挥了重要作用。

会议日程

Schedule of ICRMS' 2016

日程表/Schedule			
时间/Time	内容/Events	地点/Location	
OCT. 25	Full-day	注册/Registration	大堂/Lobby
	12:00-13:30	午餐/Lunch	1 楼泰香阁 B 区/Thai Restaurant B
	18:00-20:00	晚餐/Dinner	1 楼泰香阁 B 区/Thai Restaurant B
	19:00-20:30	筹备会议 /Preparatory Meeting	渔人码头/Fisher Wharf
OCT. 26	9:00-10:00	开幕式/Opening Ceremony	第一世界厅/The First World Hall
	10:00-10:10	茶歇/Tea Break	
	10:10-12:10	主会场/Plenary Speeches	
	12:10-13:00	午餐/Lunch	热带雨林中庭/Tropical Rainforest Atrium
	14:00-16:00	主会场/ Plenary Speeches	第一世界厅/The First World Hall
	16:00-16:10	茶歇/Tea Break	
	16:10-17:30	主会场/ Plenary Speeches	
18:00-20:00	欢迎晚宴/Welcome Dinner	热带雨林中庭/Tropical Rainforest Atrium	
OCT. 27	8:30-10:30	主会场/ Plenary Speeches	第一世界厅/The First World Hall
	10:30-10:40	茶歇/Tea Break	
	10:40-12:00	主会场/ Plenary Speeches	
	12:00-13:00	午餐/Lunch	热带雨林中庭/Tropical Rainforest Atrium
	13:30-18:15	分会场/ Sessions	各分会场/Session rooms
	18:00-19:30	晚餐/Dinner	热带雨林中庭/Tropical Rainforest Atrium
OCT. 28	8:30-12:15	分会场/ Sessions	各分会场/Session rooms
	12:00-13:00	交旗仪式&午餐/Handover Ceremony & Lunch	1 楼泰香阁 B 区/Thai Restaurant B
	13:30-17:00	企业参观 /Factory Tours	杭州前进齿轮箱集团股份有限公司 /Hangzhou Advance Gearbox Group Co., Ltd.
	18:00-19:30	晚餐/Dinner	1 楼泰香阁 B 区/Thai Restaurant B

Oct. 26 Opening Ceremony and Plenary Speeches

Events/Time	Speaker	Contents	Host	Venue	
Opening Ceremony		Guests Introduction	Wenhua Chen	1 st world Hall	
	9:00--10:00	Xiaowei Zuo			Welcome Address from Chinese Mechanical Engineering Society
		Fengmin Wu			Welcome Address from Zhejiang Sci-Tech University
		Ming Li			Welcome Address from NSFC
		Zhengquan Chen			Welcome Address from the supporters
		Way Kuo			What are the modern risks?
10:00--10:10	Tea Break				
Plenary Speeches	10:10--10:50	Wolfgang Kröger	Handling Complex Critical Infrastructure: Towards Increased Resilience	Min Xie	1 st world Hall
	10:50--11:30	Jeffrey Voas	Networks of Things		
	11:30--12:10	Rui Kang	Belief Reliability: A New Reliability Metric Under Epistemic Uncertainty		
12:10--13:00	Lunch (Tropical Rainforest Atrium)				
Plenary Speeches	14:00--14:40	Tommaso Sgobba	Safety Certification of Payloads for Operation on the International Space Stations	Neil James	1 st world Hall
	14:40--15:20	Michael Kezirian	International Space Safety Foundation: Providing International Certification of Commercial Human Spaceflight		
	15:20--16:00	Ming J. Zuo	Multi-State Network Reliability Evaluation		
	16:00--16:10	Tea Break			
	16:10--16:50	Elsayed A. Elsayed	Advances in Reliability Estimation, Prediction, Testing and Challenges	Liyang Xie	1 st world Hall
	16:50--17:30	Wenhua Chen	Accelerated reliability testing method and application		
18:00--20:00	Welcome Diner (Tropical Rainforest Atrium)				

AM Oct. 27 Plenary Speeches

Content/Time	Speaker	Topics	Host	Venue	
Plenary Speeches	8:30--9:10	Neil James	Life extension and repair of steam turbine rotor discs via friction hydro-pillar processing	Eric Wong	1 st world Hall
	9:10--9:50	Liyang Xie	Failure rate: System, Component, Multi-Failure-Mechanism & Load-Resistance Uncertainty Competition		
	9:50--10:30	Fengbin Sun	From Holistic Health to Holistic Reliability-Toward an integration of classical reliability with modern big-data based health monitoring		
	10:30--10:40	Tea Break			
	Christian				

10:40--11:20	Christian Preyssl	Human Dependability at ESA	Jeffrey Voas	1 st world Hall
11:20--12:00	Yongxiang Zhao	Probabilistic measurement on the fatigue limits/strengths by the test data of staircase test method		
12:00-13:00	Lunch (Tropical Rainforest Atrium)			

会议嘉宾



Full Professor

Analisi di Affidabilita' e Rischio di Componenti e Sistemi Nucleari ed Industriali

Enrico Zio (BSc in nuclear engng., Politecnico di Milano, 1991; MSc in mechanical engng., UCLA, 1995; PhD, in nuclear engng., Politecnico di Milano, 1995; PhD, in nuclear engng., MIT, 1998) is Director of the Chair in Complex Systems and the Energetic Challenge of the European Foundation for New Energy of Electricite' de France (EDF) at Ecole Centrale Paris and Supelec, full professor, President and Rector's

delegate of the Alumni Association and past-Director of the Graduate School at Politecnico di Milano, adjunct professor at University of Stavanger. He is the Chairman of the European Safety and Reliability Association ESRA, member of the scientific committee of the Accidental Risks Department of the French National Institute for Industrial Environment and Risks, member of the Korean Nuclear society and China Prognostics and Health Management society, and past-Chairman of the Italian Chapter of the IEEE Reliability Society. He is serving as Associate Editor of IEEE Transactions on Reliability and as editorial board member in various international scientific journals, among which Reliability Engineering and System Safety, Journal of Risk and Reliability, International Journal of Performability Engineering, Environment, Systems and Engineering, International Journal of Computational Intelligence Systems. He has functioned as Scientific Chairman of three International Conferences and as Associate General Chairman of two others. His research focuses on the characterization and modeling of the failure/repair/maintenance behavior of components, complex systems and critical infrastructures for the study of their reliability, availability, maintainability, prognostics, safety, vulnerability and security, mostly using a computational approach based on advanced Monte Carlo simulation methods, soft computing techniques and optimization heuristics. He is author or co-author of five international books and more than 170 papers on international journals.



**Distinguished Professor
Industrial and Systems Engineering**

E. A. Elsayed is Distinguished Professor in the Department of Industrial and Systems Engineering, Rutgers University. He is also the Director of the NSF/ Industry/ University Co-operative Research Center for

Quality and Reliability Engineering. His research interests are in the areas of quality and reliability engineering and Production Planning and Control. He is a co-author of Quality Engineering in Production Systems, McGraw Hill Book Company, 1989. He is also the author of Reliability Engineering, Addison-Wesley, 1996. These two books received the 1990 and 1997 IIE Joint Publishers Book-of-the-Year Award respectively. His recent book Reliability Engineering 2nd Edition, Wiley, 2012 received the 2013 Outstanding IIE Publication.

Dr. Elsayed is also a co-author of Analysis and Control of Production Systems, Prentice-Hall, 2nd Edition, 1994. His research has been funded by the DoD, FAA, NSF and industry. Dr. Elsayed has been a consultant for AT&T Bell Laboratories, Ingersoll-Rand, Johnson & Johnson, Personal Products, AT&T Communications, BellCore and other companies. He served as the Editor-in-Chief of the IIE Transactions and the Editor of the IIE Transactions on Quality and Reliability Engineering. He is Editor-in-Chief of Quality Technology and Quality Management. Dr. Elsayed is also the Editor of the International Journal of Reliability, Quality and Safety Engineering. He serves on the editorial boards of eight journals in different capacities. He served an external evaluator for many undergraduate and graduate programs.

Dr. Elsayed is a frequent keynote speakers in National and International Conferences and is the recipient of many awards including Golomski Award for the outstanding paper, William Mong Distinguished Lecturers Award, David F. Baker Research Award of the Institute of Industrial Engineers for Research Contributions to the discipline of Industrial Engineering, , inducted member of the Russian Academy for Quality, IIE (Institute of Industrial Engineers) Fellow Award, ASME Fellow, Senior Fulbright Award and the Recipient of 2011 Thomas Alva Edison Award for US Patent 7,115,089 B2.

会议门票

参会费：3500元/人

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