



邀请函

2017第二届电气工程，机械工程与自动化国际会议 (ICEEMEA 2017)

尊敬的 _____ 先生/女士，您好！

2017第二届电气工程，机械工程与自动化国际会议 (ICEEMEA 2017) 将于2017年04月在西安召开。

大会内容



2017第二届电气工程，机械工程与自动化国际会议为广大电气工程、机械工程与自动化等相关领域的学者、专家提供交流平台。会议组委会诚邀全球相关领域的学者、专家参加此次国际会议，就电气工程、机械工程与自动化相关热点问题进行探讨、交流，共同促进全球工程科学的发展。



会议日程

4月26日	11:00-17:00	报到
4月27日	09:00-12:00	特邀嘉宾演讲
	12:00-14:00	午餐
	14:00-17:30	口头报告

	18:30-20:00	晚宴
4月28日	08:00-18:00	西安一日游

会议嘉宾

ICEEMEA2017演讲嘉宾的信息如下：



Shien-Kuei Liaw, Professor

Department of Electronic and Computer Engineering, National Taiwan University of Science and Technology, Taiwan

Biography: Shien-Kuei Liaw received doctorate degrees in electro-optical engineering and mechanical engineering from National Chiao-Tung University (Taiwan) and National Taiwan University (Taiwan) in 1999 and 2014, respectively. In 1993, he joined the Chung-Hua Telecommunication Institute, Taiwan. Since then, he has been working on optical communication and fiber-based technologies. He was a visiting researcher at Bellcore (now Telcordia), USA, in 1996 for six months and a visiting professor at Oxford University, UK, in 2011 for three months. He joined the Department of Electronic Engineering, National Taiwan University of Science and Technology (NTUST) in 2000. He has been director of Optoelectronics Research Center and Technology Transfer Center in NTUST. He has been an active member in the technical programs committee and has invited speakers and held session chairs from any international conferences. He has bagged quite a few national honors and awards, such as Outstanding Professor of the Chinese Institute of Electrical Engineering in 2015; the best project award of National Science and Technology Program for Telecommunication in 2006; the outstanding Youth Award of The Chinese Institute of Electrical Engineering; and the outstanding Youth Academic Award of the Optical Engineering Society of the Republic of China. Prof. Liaw has authored and coauthored over 250 international journal articles and conference presentations. He also serves as an associate editor for Fiber and Integrated Optics. Currently, Prof. Liaw is a distinguished professor of NTUST, the general secretary of Taiwan Photonic Society, VP of the Optical Society (OSA) of Taiwan Chapter.

Topic: High-Capacity Inter-building Bi-directional Optical Wireless Transmission in 1.55 μm Band

Abstract: Fiber optics communication has become an important research issue in recent decades thanks to its very wide bandwidth and high-speed communications services. Free space optic (FSO), sometimes called optical wireless communication (OWC) has undergone through cycles of technical evolutions mainly due to the remarkable development in light sources and optical receiver technologies. Nowadays FSO links with Gbit/s or above per channel have been reported for outdoor and indoor applications. In this talk, I will propose and investigate a free space optic transmission system in inter buildings transmission and cross-bridge transmission. The harsh environmental factors for FSO including window glasses, air turbulence and rain drop, will also be studied and verified. The proposed scheme, may have some merits over conventional fiber-based communications, can also play as a back-up methodology in emergency case to ensure seamless communications.



Department of Fire Safety, Institute of Petroleum and Natural Gas Engineering, Siberian Federal University, Russia

Biography: **Dr. Andrey V. Brazhnikov** is presently an associate professor of Siberian Federal University (Krasnoyarsk, Russia) and a professor of Russian Academy of Natural History. He had his graduation in Electrical Engineering from Krasnoyarsk Polytechnic Institute (Krasnoyarsk, Russia) in 1982 (major in Automatics and Telemechanics, Honors Degree, cum laude). He received Ph.D. degree in Electromechanics from Tomsk Polytechnic Institute (Tomsk, Russia) in 1985. Now he has more than 200 published scientific works and inventions.

Topic: Novel Types of AC Motors and Drives for Electrical and Hybrid Vehicles

Abstract: The novel types of AC motors and drives for electrical and hybrid vehicles were worked out by the authors of this paper. These types are based on the use of the phase-pole-controlled multiphase (i.e. having number of phases more than four) inverter-fed linear stators. The phase-pole-control method is novel method of electromechanical systems control. It was developed by the author a few years ago for multiphase AC electric drives and molten metals electromagnetic stirring systems.

The application of phase-pole-control method together with the increase of drive system phase number more than four allows to improve considerably a number of the drive technical-and-economic characteristics (such as speed of response, reliability, mass-and-overall dimensions, etc.).



Dr. Saravanan Vasudevan, Associate Professor

Department of Electrical & Electronics Engineering, Arunai Engineering College (Anna University), India

Biography: **Dr. Saravanan Vasudevan** serving as an Associate Professor and Head/PG in the Department of Electrical and Electronics Engineering, Arunai Engineering College, India for the past one decade. His research interest includes solar photovoltaic systems and embedded application to hybrid energy systems. He currently working as a Principal Investigator on a research project titled, "Design, Development and Deployment of Grid Interfaced Power Conversion Unit for Solar –Wind Power Generation Systems", sponsored by Central Power Research Institute, Bangalore (A Government of India Society under Ministry of Power). He also worked as Co – Investigator in Tamil Nadu State Council for Science & Technology – R & D sponsored project in his host institution. He organized and attended many Seminars/Workshops/Conferences and chaired several National and International Seminars and visited many countries like Germany and Singapore. He is an active reviewer for many reputed international journals and conferences. He coordinated Staff Development Programme and conferences/workshops sponsored by AICTE and ISTE. He is life member of Life Member of Indian Society for Technical Education (ISTE), India, Member of International Association of Engineers. Hong Kong (IAENG), Member of Indian Society of Electrical and Electronics Engineers (ISEEE), Volunteer in Renewable Energy Society, Australia. He also responsible ISTE (Indian Society for Technical Education) Chapter activities at his host

institution and received ISTE- Stripes of Redeemer National Award for the Best ISTE Chapter Chairman (College) for the year 2014 by (ISTE), New Delhi.

Topic: Renewable Energy Systems: Technologies and Applications for Future Electric Grid

Abstract: Renewable energies can substantially improve the increasing energy demands and mitigate greenhouse gas emissions. It also provides direct and indirect social benefits such as reducing the health and environmental impacts associated with the use of fossil and nuclear fuels, thereby improving standard of living, educational opportunities, creating jobs, reducing poverty, increasing gender equality and ensures energy security. Hybrid renewable energy systems comprising of solar and wind will be effective for efficient power generation, in spite of variability, intermittency and other grid related issues. Prospects and insights of solar photovoltaic and wind energy systems will be discussed by analyzing information reported in various literatures, government and international renewable energy agencies. Also policies and initiatives related to hybrid energy systems concerning environment and economy will be addressed. The progressive path for renewable energy development will be suggested through increased use of renewable energy generation with enhanced reliability, security and resiliency of the future electric grid.



Dr. Peng-Sheng Wei, Professor

Department of Mechanical and Electro-Mechanical Engineering, National Sun Yat-Sen University, Taiwan

Biography: Dr. Peng-Sheng Wei received Ph.D. in Mechanical Engineering Department at University of California, Davis, in 1984. He has been a professor in the Department of Mechanical and Electro-Mechanical Engineering of National Sun Yat-Sen University, Kaohsiung, Taiwan, since 1989. Dr. Wei has contributed to advancing the understanding of and to the applications of electron and laser beam, plasma, and resistance welding through theoretical analyses coupled with verification experiments. Investigations also include studies of their thermal and fluid flow processes, and formations of the defects such as humping, rippling, spiking and porosity. Dr. Wei has published more than 80 journal papers, and delivered more than 90 times of Keynote or Invited Speeches in international conferences. He is a Fellow of AWS (2007), and a Fellow of ASME (2000). He also received the Outstanding Research Achievement Awards from both the National Science Council (2004), and NSYSU (1991, 2001, 2004), the Outstanding Scholar Research Project Winner Award from National Science Council (2008), the Adams Memorial Membership Award from AWS (2008), the Warren F. Savage Memorial Award from AWS (2012), and the William Irrgang Memorial Award from AWS (2014). He has been the Xi-Wan Chair Professor of NSYSU since 2009, and Invited Distinguished Professor in the Beijing University of Technology, China, during 2015-2017.

Topic: Thermal-Electrical-Mechanical-Metallurgical Controlling of Resistance Spot Welding

Abstract: The present work quantitatively predicts transport processes in workpieces coupled with electrode containing a coolant hole during the entire range of resistance spot welding. Understanding of transport processes is essentially required for controlling the critical defect of surface melting and microstructures of weld nugget. This model realistically accounts for transient electromagneto-fluid mechanics, heat and species transport, and bulk resistance in workpiece, and film and constriction resistances at contact interfaces. In view of finite electrical diffusion of ferromagnetic materials, time delay of electric current density associated with joule heat should also be accounted for. The results find and confirm the factors affecting the defect of surface melting and different modes of microstructures of the weld nugget.

会议门票

参会费用（只参会不投稿人员）			
票务类别	包含内容	2017年4月7日前缴费	2017年4月7日后缴费及现场缴费
C票	参会+会议资料+礼品+旅游	1000元	1200元
D票	参会+会议资料+礼品+旅游 +午餐+欢迎晚宴	1400元	1600元

参会费用所含内容说明：

- 1、参会：听取会议主会场报告及分会场报告
- 2、午餐和欢迎晚宴：会议期间的午餐及欢迎晚宴（仅D票；C票需参会者自理餐费；如需现场购买，标准为：午餐200元，晚宴200元）
- 3、会议资料：胸牌，程序手册，纸质期刊一本（作者文章所发表的一期的纸质版，国内邮寄免费，国外邮寄需加收邮费）等
- 4、礼品：会议精美纪念礼品一份
- 5、旅游：济南一日游，缴费的参会者在会后可享受免费旅游（如不参加旅游，无退费）

其他说明：

- 1、团体购票6张及以上可享9折优惠；
- 2、团体购票10张及以上可享8折优惠；

