



# IEL Newsletter

—— 2016 年 12 月会议特刊

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## IEEE 会议介绍

IEEE 每年在全球举办 1500 多场学术会议。会议涉及领域广，不仅在电子电气、通信和计算机等领域有重大影响，更在诸多新兴热点领域如纳米、生物医学工程、能源、自动化控制等方向具权威性。IEEE 在中国召开的会议，为中国高校师生提供了有利的学术交流通道，了解会议内容对国内专家、学者和研究人员进行项目研究和自身学习有极大的促进作用。

本期 Newsletter 主要为您提供 2017 年全年已公布的即将在中国大陆、中国台湾、中国香港、新加坡和马来西亚等国家地区召开的 IEEE 会议详情，供老师和同学们了解，希望这些信息能让您：

——了解相关领域最新的科研动态，洞悉竞争对手以及同行的研究热点。

——有针对性地向 IEEE 会议投稿，及时分享自己的科研成果，提高您的科研实力。

IEEE 会议涉及的学科领域主要有：信号处理、计算机网络、多媒体技术、纳米电子、自动化控制、机器人技术、机电一体化、广播多媒体系统、显微镜技术、医药生物工程、能源、信息工程管理、光电子、控制、自动化、机器人、生物信息、生物医学工程、网络技术和无线电通信等。

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## IEEE 在中国大陆召开的会议列表

(2017 年 1 月至 2017 年 12 月, 按时间顺序排列)

Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 IEEE 2nd International Conference on Big Data Analysis (ICBDA)	10 Mar - 12 Mar 2017	Beijing, China	<a href="http://www.icbda.org/">http://www.icbda.org/</a>	Big Data overall architecture consists of three layers: data storage, data processing and data analysis. In recent years, “Big Data” has become a new ubiquitous term. Big Data is transforming science, engineering, medicine, healthcare, finance, business, and ultimately society itself. 2017 2nd IEEE International Conference on Big Data Analysis (ICBDA 2017) provides a leading forum for diss	Beijing Section Xi'an Jiaotong Liverpool University
2017 China Semiconductor Technology International Conference (CSTIC)	12 Mar - 13 Mar 2017	SHICC Shanghai International Convention Center Shanghai, China	<a href="http://semiconchina.semi.org/cstic">http://semiconchina.semi.org/cstic</a>	CSTIC aims to provide a platform for executives, managers, engineers and researchers from around the world to exchange the latest developments in semiconductor technology and IC manufacturing. It also offers opportunities for those who are interested in investing in the semiconductor industry in Asia, particularly in China.	IEEE Electron Devices Society Semiconductor Equipment and Material International Trade Group - SEMI
2017 IEEE 2nd Advanced Information Technology, Electronic and Automation Control Conference (IAEAC)	25 Mar - 26 Mar 2017	Chongqing Jinkaoyuan Conference Center Chongqing, China	<a href="http://www.iaeac.org/">http://www.iaeac.org/</a>	The aim objective of IAEAC 2017 is to provide a platform for researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in Information Technology and Artificial Intelligence.	Beijing Section Chongqing Global Union Academy of Science and Technology
2017 2nd International Conference on Frontiers of Sensors Technologies (ICFST)	14 Apr - 16 Apr 2017	Shenzhen, China	<a href="http://www.icfst.org/">http://www.icfst.org/</a>	The aim of ICFST 2017 is to provide a platform for researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in Frontiers of Sensors Technologies. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.	Beijing (Guangdong) Section PHO Chapter



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 IEEE International Conference on Energy Internet (ICEI)	17 Apr - 21 Apr 2017	Beijing, China	<a href="http://www.energyinter.net.cn/icei2017/index.html">http://www.energyinter.net.cn/icei2017/index.html</a>	Energy Internet is an internet based WAN for information and energy fusion. With the integration of information and energy, bidirectional flow and dynamically balancing of energy is achieved and more distributed renewable energy is utilized.	IEEE Computer Society Tsinghua University
2017 IEEE 9th International Conference on Communication Software and Networks (ICCSN)	06 May - 08 May 2017	Guangzhou , China	<a href="http://www.iccsn.org/">www.iccsn.org/</a>	ICCSN 2017 is one of the leading international conferences for presenting novel and fundamental advances in the fields of Communication Software and Networks. It also serves to foster communication among researchers and practitioners working in a wide variety of scientific areas with a common interest in improving Communication Software and Networking related techniques.	Beijing Section Guangdong University of Technology
2017 IEEE 2nd International Conference on Big Data Analysis (ICBDA)	10 May - 12 May 2017	Beijing, China	<a href="http://www.icbda.org/">http://www.icbda.org/</a>	Big Data overall architecture consists of three layers: data storage, data processing and data analysis. Data storage layer stores complex type and mass data, data processing layer realizes real-time processing of massive data, and only through data analysis layer, smart, in-depth and valuable information are got. When talking about big data, it comes to the first is 4V characteristics of big data, namely Volumes, Variety, Velocity, Veracity..	Beijing Section Xi'an Jiaotong Liverpool University
2017 1st International Conference on Electrical Materials and Power Equipment (ICEMPE)	15 May - 17 May 2017	TBD TBD China	<a href="http://www.icempe2017.org/">http://www.icempe2017.org/</a>	1. Dielectric Phenomenon:conduction, polarization, breakdown and space charge. 2. Performance, composition and structure of insulating materials: including nanocomposite, eco-friendly dielectrics and biodielectrics. 3. Fabrication, detection, operation and assessment of power equipment: including cable, generator & motor, transformer, GIS, HVDC; Insulating materials and phenomena related to superconductivity, arcing , gas discharge and surface discharge; structural optimization of electrical insulation. 4. Electrical insulation techniques under extreme conditions: High temperature, high pressure, high vacuum, electrical insulation in space. 5. Others: including treeing, ageing, life assessment, modeling and simulations, measurement techniques etc.	IEEE Dielectrics and Electrical Insulation Society Engineering Dielectrics Committee of China Electrotechnical Society - CES



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 Forum on Cooperative Positioning and Service (CPGPS)	19 May - 21 May 2017	Jin-Gu Hotel 185 Zhongyang Street, Daoli District Harbin, China	<a href="http://www.cp-gps.org/">www.cp-gps.org/</a>	CPGPS strives to: Promote the exchange of ideas among professionals in the field of wireless communications, intelligent vehicle systems, sensor networks, satellite navigation and positioning on information, knowledge, scientific research and applications of satellite positioning systems; □ Provide an efficient channel among professionals, through which mutual understanding and cooperation can be nurtured and enhanced; □ Encourage, bridge, establish and develop co-operative activities among professionals.	IHarbin Section Harbin Institute of Technology International Association of Chinese Professionals in Global Positioning
2017 IEEE PELS Workshop on Emerging Technologies: Wireless Power Transfer (WoW)	21 May - 22 May 2017	Chongqing Kingworld Hotel 9 Jingyuan Road, Jiangbei District Chongqing, China	<a href="http://www.2017wow.org/">www.2017wow.org/</a>	2017WoW is a premier workshop, providing an excellent forum for scientists, researchers, engineers and industrial practitioners throughout the world to present and discuss the latest technology advancement as well as future directions and trends in Wireless power,our conference tracks	IEEE Power Electronics Society Chongqing Science and Technology Commission Chongqing University
2017 8th International IEEE/EMBS Conference on Neural Engineering (NER)	23 May - 28 May 2017	Regal International East Asia Hotel 516 Hengshan Road Shanghai, China	<a href="http://www.neuro.embs.org/2017/">www.neuro.embs.org/2017/</a>	The conference will highlight the emerging engineering innovations in the restoration and enhancement of impaired sensory, motor, and cognitive functions, novel engineering for deepening knowledge of brain function, and advanced design and use of neurotechnologies	IEEE Engineering in Medicine and Biology Society
2017 IEEE/ACIS 16th International Conference on Computer and Information Science (ICIS)	24 May - 26 May 2017	TBD TBD Wuhan, China		The 16th International Conference on Computer and Information Science (ICIS 2017) brings together scientists, engineers, computer users and students to exchange and share their experiences, new ideas and research results about all aspects (theory, applications and tools) of computer and information science and discuss the practical challenges encountered and the solutions adopted.	IEEE Computer Society International Association for Computer & Information Science - ACIS



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 IEEE 3rd International Conference on Big Data Security on Cloud (BigDataSecurity)	26 May - 28 May 2017	Peking University conference center Beijing, China	<a href="http://bigdata-security.org/bj2017/datasec/">http://bigdata-security.org/bj2017/datasec/</a>	Current dramatically increasing demands of big data have driven a remarkable growth of the implementations of data mining, smart data, and data analysis in multiple domains. Security issues in applying big data have become a great concern for big data practitioners.	IEEE Computer Society
2017 6th Data Driven Control and Learning Systems Conference (DDCLS)	26 May -27 May 2017	Convention Center of Chongqing Jiaotong University Chongqing, China	<a href="http://www.ddclo.org/2017ddcls/">www.ddclo.org/2017ddcls/</a>	Data-driven control and learning has been developed quickly both in theory and applications recently. The deep involvement of information science in practical processes poses enormous challenges to the existing control science and engineering due to their size, distributed nature and complexity.	Beijing Section Technical Committee on Data Driven Control, Learning and Optimization, Chinese Association of Automation
2017 29th Chinese Control And Decision Conference (CCDC)	28 May - 30 May 2017	TBD Chongqing, China	<a href="http://www.ccdc.neu.edu.cn/">www.ccdc.neu.edu.cn/</a>	Chinese Control and Decision Conference is an annual international conference to create a forum for scientists, engineers and practitioners throughout the world to present the latest advancement in Control, Decision, Automation, Robotics and Emerging Technologies.	IE IEEE Control Systems Society Singapore Section IE Chapter China State Key Laboratory of Synthetical Automation for Process Industries Chinese Association for Artificial Intelligence Chongqing University Northeastern University, China Technical Committee on Control Theory, Chinese Assoc of Automation Technical Committee on Control and Decision of Cyber Physical Systems (TCCDCPS), Chinese Association of Automation, China
2017 2nd International Conference on Image, Vision and Computing (ICIVC)	02 Jun - 04 Jun 2017	Chengdu, China	<a href="http://www.icivc.org/index.html">www.icivc.org/index.html</a>	ICIVC 2017, is to bring together innovative academics and industrial experts in the field of Image, Vision and Computing and etc to a common forum.	Chengdu Section Sichuan Province Computer Federation



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2017 IEEE 27th Symposium on Fusion Engineering (SOFE)	04 Jun - 08 Jun 2017	Shanghai Marriott City Center Shanghai, China	<a href="https://sofe2017.princeton.edu/">https://sofe2017.princeton.edu/</a>	Fusion engineering and technology, magnetic and inertial fusion experiments, fusion roadmap and next steps, fusion project management and systems engineering	IEEE Nuclear and Plasma Sciences Society Shanghai Section Institute for Plasma Physics, Chinese Academy of Sciences
2017 2nd Asia-Pacific Conference on Intelligent Robot Systems (ACIRS)	16 Jun - 19 Jun 2017	Howard Johnson Hongqiao Airport Hotel Minhang District Shanghai, China	<a href="ARSO2016.sjtu.edu.cn/">ARSO2016.sjtu.edu.cn/</a>	IEEE Workshop on Advanced Robotics and its Social Impacts (ARSO) aims at discussing advanced robotics R&D and its implications to economic and social systems. Participants will be world class robotic research scientists, investors and economists, as well as representatives of industry and government.	IEEE Robotics and Automation Society
2017 International Conference on Machine Learning and Cybernetics (ICMLC)	09 Jul - 12 Jul 2017	TBC Ningbo, China	<a href="http://www.icmlc.com">www.icmlc.com</a>	Statistical Machine Learning, Intelligent and fuzzy control, Pattern Recognition, Ensemble method, Evolutionary computation, Fuzzy & rough set, Data & web mining, Intelligent Business Computing, Biometrics, Bioinformatics, Information retrieval, Cybersecurity, Web intelligence and technology, Semantics & ontology engineering, Social Networks & Ubiquitous Intelligence, Multicriteria decision making, Soft Computing, Intelligent Systems, Speech, Image & Video Processing, Decision Support System	IEEE Systems, Man, and Cybernetics Society The University of Adelaide
2017 Prognostics and System Health Management Conference (PHM-Harbin)	09 Jul - 12 Jul 2017	Sun Island Garden Hotel Harbin, China	<a href="http://www.phm2017.org/">www.phm2017.org/</a>	PHM-2017 Harbin will continually provide a premier interdisciplinary forum for researchers, scientists and scholars in the domains of aeronautics and astronautics, energy and power systems, process industries, computers and telecommunications, and industrial automation to present and discuss the most recent innovations, trends, concerns, challenges, and solutions in PHM.	Harbin Section IEEE Reliability Society Harbin Institute of Technology



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 International Conference on Wavelet Analysis and Pattern Recognition (ICWAPR)	09 Jul - 12 Jul 2017	TBC Ningbo, China	<a href="http://www.icwapr.org">www.icwapr.org</a>	Wavelet General Theory; Bases and Frames Theory; Filter Banks; Approximation Theory; Spline Theory; Time-Frequency Analysis; Integral Transforms; Visualization; Watermarking; Biometrics; Signal Estimation; Image Fusion; Image Recovery; Image Compression; Biomedical Imaging; Document Analysis; Learning Theory; Noise Reduction; Machine Vision; Classification; Feature Extraction; Emotion Computation; Cluster Analysis; Deformation Analysis; Descriptor of Shapes; Diagnosis of Faults; Intelligent Robot; Hand Gestures Classification; Image Indexing and Retrieval; Range Imaging and Detection; Seismological Signal Processing; Stochastic Pattern Recognition; Texture Analysis and Classification; Animation Image Analysis; Enhancement and Restoration; Handwritten and Printed Character Recognition; Analysis and Detection of Singularities; Artificial Life; Intelligent Control System; Intelligent Human Machine Interface; Information Safety	IEEE Systems, Man, and Cybernetics Society The University of Adelaide
2017 20th International Conference on Information Fusion (Fusion)	10 Jul – 13 Jul 2017	Xi'an, China	<a href="http://www.fusion2017.org/">www.fusion2017.org/</a>	The International Conference on Information Fusion is a premier forum for the interchange of the latest research in information fusion and discussion of its impacts on our society. The conference brings together researchers and practitioners from industry and academia to report on the latest scientific and technical advances.	IEEE Aerospace and Electronic Systems Society International Society of Information Fusion Xi'an Jiaotong University
2017 International Conference on Computer, Information and Telecommunication Systems (CITS)	21 Jul – 23 Jul 2017	Dalian University of Technology Campus Dalian, China	<a href="http://atc.udg.edu/CITS2017/">atc.udg.edu/CITS2017/</a>	THE INTERNATIONAL CONFERENCE ON COMPUTER, INFORMATION, AND TELECOMMUNICATION SYSTEMS, CITS, IS AN INTERNATIONAL FORUM FOR SCIENTISTS, ENGINEERS, AND PRACTITIONERS TO PRESENT THEIR LATEST RESEARCH AND DEVELOPMENT RESULTS IN ALL AREAS OF COMPUTER, INFORMATION TECHNOLOGY AND TELECOMMUNICATION SYSTEMS. THE CONFERENCE WILL LAST FOR THREE DAYS AND WILL FEATURE TUTORIALS, TECHNICAL PAPER PRESENTATIONS, AND DISTINGUISHED KEYNOTE SPEECHES	IEEE Communications Society Dalian University of Technology



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 IEEE International Conference on Intelligence and Security Informatics (ISI)	22 Jul – 24 Jul 2017	Beijing, China	<a href="http://www.isi-conf.org/">www.isi-conf.org/</a>	Intelligence and Security Informatics (ISI) is an interdisciplinary research field involving academic researchers in information technologies, computer science, public policy, bioinformatics, medical informatics, and social and behavior studies; local, state, and federal law enforcement and intelligence experts; and information technology industry consultants and practitioners.	IEEE Intelligent Transportation Systems Society
2017 International Applied Computational Electromagnetics Society Symposium - China (ACES)	01 Aug - 04 Aug 2017	National University of Singapore Suzhou Research Institute  Suzhou,China	<a href="http://www.aces-society.org/conference/China_2017/">http://www.aces-society.org/conference/China_2017/</a>	The 2017 International Applied Computational Electromagnetics Society Symposium in China (ACES-China 2017) serves as a forum for developers, analysts, and users of computational techniques applied to electromagnetic field problems for all frequency ranges.	Singapore Section Applied Computational Electromagnetics Society Jiangsu Normal University National University of Singapore Suzhou Research Institute
2017 13th IEEE Conference on Automation Science and Engineering (CASE 2017)	20 Aug - 23 Aug 2017	Xi'an, China	<a href="http://www.case2017.org/">www.case2017.org/</a>	This is the flagship conference of IEEE RAS in Automation	IEEE Robotics and Automation Society Tsinghua University Xi'an Jiaotong University
2017 9th International Conference on Intelligent Human-Machine Systems and Cybernetics (IHMSC)	26 Aug - 27 Aug 2017	Hangzhou, China	<a href="http://ihmsc.zju.edu.cn/index.html">ihmsc.zju.edu.cn/index.html</a>	This conference provides an idea-exchange and discussion platform for researchers and practitioners interested in Intelligent Human-Machine and Cybernetics and other topics.	Nanjing Section CIS Chapter Zhejiang University
2017 IEEE International Conference on Image Processing (ICIP)	17 Sep - 20 Sep 2017	Beijing, China		ICIP is the world's largest and most comprehensive technical conference focused on image and video processing and computer vision.	IEEE Signal Processing Society





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2017 IEEE International Conference on Software Maintenance and Evolution (ICSME)	17 Sep - 22 Sep 2017	Shanghai, China	<a href="http://conferences.computer.org/icsm/">conferences.computer.org/icsm/</a>	This conference is the premier international (world wide) event in the maintenance field. The importance of software maintenance is being increasingly recognised, both in terms of professional activities and of public perception.	IEEE Computer Society
2017 IEEE 3rd Information Technology and Mechatronics Engineering Conference (ITOEC)	03 Oct - 05 Oct 2017	Beijing Friendship hotel Beijing, China		The PMAPS conference covers all aspects of probabilistic methods applied to power systems and the electric power industry	Beijing Section PE Chapter Chongqing University Tsinghua University
2017 IEEE International Symposium on Safety, Security and Rescue Robotics (SSRR)	11 Oct - 13 Oct 2017	Shanghai, China	<a href="http://www.ssrr-conference.org/2017">www.ssrr-conference.org/2017</a>	Theory and practice of robotics and automation for all types of safety, security, and rescue applications such as disaster response, mitigation and recovery; rapid and secure inspection of critical infrastructure; detection of chemical, biological and radiological risks, and operations in these dangerous sites.	IEEE Robotics and Automation Society
2017 IEEE 19th International Conference on e-Health Networking, Applications and Services (Healthcom)	12 Oct - 15 Oct 2017	Dalian, China	<a href="http://healthcom2017.ieee-healthcom.org/">http://healthcom2017.ieee-healthcom.org/</a>	E-health	IEEE Communications Society Dalian University
2017 IEEE 5th International Symposium on Electromagnetic Compatibility (EMC-Beijing)	19 Oct - 22 Oct 2017	Beijing, China	<a href="http://www.emc2017.com">www.emc2017.com</a>	With a wide ICT application over industry, science, transportation, medical instrument, power electricity and so on, EMC concerns have been facing new crucial challenges in concept, modeling, computation, design, control, measurement, standardization, management and etc. EMC' Beijing 2017 will provide a prompt opportunity for exchanging ideas and solutions to the above broad concerns. Authors are encouraged to submit original and unpublished research results to EMC' Beijing 2017.	Beijing Section Beijing Section EMC Chapter Chinese Institute of Electronics - CIE



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 IEEE International Conference on Signal Processing, Communications and Computing (ICSPCC)	22 Oct - 25 Oct 2017	City hotel Xiamen Xiamen, China		Signal Processing, Communications and Computing	Hong Kong Section CAS/COM Joint Chapter Xian Section
2017 7th IEEE International Symposium on Microwave, Antenna, Propagation, and EMC Technologies (MAPE)	24 Oct - 27 Oct 2017	Xi'an, China	<a href="http://www.ieeemape.com">www.ieeemape.com</a>	Scope: Contributions describing original research, surveys, and applications in these and other areas are solicited	Beijing Section IEEE Antennas and Propagation Society Beijing Jiaotong University - BJU
2017 IEEE 12th International Conference on ASIC (ASICON)	25 Oct - 28 Oct 2017	Guiyang, China	<a href="http://www.asicon.org">www.asicon.org</a>	Process & Device Technologies	Beijing Section Fudan University
2017 IEEE 17th International Conference on Communication Technology (ICCT)	27 Oct - 30 Oct 2017	Chengdu, China	<a href="http://www.ieee-icct.org/index.html">www.ieee-icct.org/index.html</a>	ICCT is the flagship conference on Communication Technology in China founded in 1986. ICCT 2017, the 17th ICCT will be organized on October 27-30, 2017 in Chengdu, China. ICCT 2017 will keep promoting the information exchange communication technology, which aims to promote international academic exchange and international cooperation, and provides an opportunity for researchers around the world to exchange ideas and latest research results, in both theory and application of communication technologies.	Beijing Section Sichuan Institute of Electronics
IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society	29 Oct - 01 Nov 2017	Chengdu, China	<a href="http://www.iecon2017.com">www.iecon2017.com</a>	The scope of IECON 2017 is in intelligent and computer control systems, robotics, factory communications and automation, flexible manufacturing, data acquisition and signal processing, vision systems, and power electronics.	IEEE Industrial Electronics Society Academy of Mathematics and Systems Science, CAS

## IEEE 在中国台湾召开的会议列表 (2017年1月至2017年12月, 按时间顺序排列)

Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 IEEE 31st International Conference on Advanced Information Networking and Applications (AINA)	27 Mar - 29 Mar 2017	Taipei Campus of Tamkang University Taipei City, Taiwan	<a href="http://voyager.ce.fit.ac.jp/conf/aina/2017/">http://voyager.ce.fit.ac.jp/conf/aina/2017/</a>	The conference covers theory, design and application of computer networks and distributed systems.	IEEE Computer Society
2017 First IEEE International Conference on Robotic Computing (IRC)	10 Apr - 12 Apr 2017	The Splendor Hotel Taichung Taichung, Taiwan	<a href="http://icrc.asia.edu.tw/">http://icrc.asia.edu.tw/</a>	Robotic Computing (RC) addresses computing technologies, and their synergistic interactions, that enable and are enabled by robots. The scope of RC includes, but is not limited to, perception, semantic content understanding and delivery, reasoning, planning, problem solving, learning, human-robot interaction and domain specific applications in home, healthcare, etc.	IEEE Computer Society IEEE Robotics and Automation Society Asia University, Taiwan
2017 International Symposium on VLSI Design, Automation and Test (VLSI-DAT)	24 Apr - 27 Apr 2017	Ambassador Hotel Hsinchu Hsinchu, Taiwan	<a href="http://expo.itri.org.tw/2017vlsidat">http://expo.itri.org.tw/2017vlsidat</a>	*RF, analog and mixed-signal circuits *Sensors and interface circuits *Digital circuits and ASIC *CPU, DSP and multicore architectures *Memory circuits and systems *Low power logic and architectures *Multimedia processing circuits *Communication circuits *Embedded systems and software *Designs using novel technologies *System-in-package design *Electronic System Level Design *Modeling and simulation*Hardware-software co-design *Logic and architecture synthesis	IEEE Circuits and Systems Society IEEE Electron Devices Society IEEE Solid-State Circuits Society Taipei Section Taipei Section CAS Chapter Taipei Section ED Chapter Taipei Section SSC Chapter Industrial Technology Research Institute - ITRI
2017 International Symposium on VLSI Technology, Systems and Application (VLSI-TSA)	24 Apr - 27 Apr 2017	Ambassador Hotel Hsinchu Taiwan	<a href="http://expo.itri.org.tw/2017vlsitsa">http://expo.itri.org.tw/2017vlsitsa</a>	•Low power CMOS and embedded memory •Foundry technology •RF process, device and integration technology •Standalone memory: DRAM, FLASH, emerging memory technology •Advanced process modules: e.g. gate stack, junction, strain/channel engineering, low-R contact, low-C spacer/ILD, interconnect technology, ALE and selective deposition, etc. •Advanced packaging and 2.5D/3D Integration •Photonics and Beyond CMOS Technology •Energy harvesting technology •Wearable and IoE enabling technologies	IEEE Electron Devices Society IEEE Solid-State Circuits Society Taipei Section Taipei Section ED Chapter Taipei Section SSC Chapter Industrial Technology Research Institute - ITRI



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 IEEE Wireless Power Transfer Conference (WPTC)	10 May - 12 May 2017	Howard International House 30, XinSheng South Road, Sec. 3 Taipei, Taiwan		The conference focuses on wireless energy/power transmission, energy harvesting/conversion and related technologies. The meeting is intended to cover a broad range of areas related to devices, integrated circuits, systems and applications of WPT across the electromagnetic spectrum.	IEEE Microwave Theory and Techniques Society
2017 IEEE International Interconnect Technology Conference (IITC)	16 May - 18 May 2017	Hsinchu, Taiwan	<a href="http://www.iitc-conference.org">www.iitc-conference.org</a>	The IITC/AMC provides a forum for professionals and researchers in semiconductor processing, advanced materials, equipment development, and interconnect systems to present and discuss exciting new science and technology	IEEE Electron Devices Society
2017 6th International Symposium on Advanced Control of Industrial Processes (AdCONIP)	28 May - 31 May 2017	Taipei, Taiwan	<a href="http://adconip2017.org">adconip2017.org</a>	AdCONIP 2017 aims at bringing together researchers and practitioners from academia and industry to discuss the state of the art developments/techniques in advanced control and their applications in industry. Major symposium topics include, but are not limited to: - Process Control and Automation - Signal Processing - Identification and Estimation - Controller Performance Evaluation - Fault Detection and Diagnosis - Data Reconciliation - Data Mining and Data Analytics - Computer Integrated Manufacturing - Safe Process Operating Systems - Integration of Process Design and Control □ Health Informatics and Bioinformatics - Factory Automation - Intelligent Control - Adaptive and Learning Systems - Robotics and Mechatronics - Process Integration and Optimization	IEEE Control Systems Society National Taiwan University
2017 IEEE 3rd International Future Energy Electronics Conference and ECCE Asia (IFEEC 2017 - ECCE Asia)	04 Jun - 07 Jun 2017	Kaohsiung, Taiwan	<a href="http://www.ifeec.tw/">www.ifeec.tw/</a>	An international forum for presentation and discussion of the state of the art technology in Energy Electronics and related topics	IEEE Power Electronics Society Tainan Section Green Energy Electronics Research center, National Cheng Kung University Taiwan Power Electronics Association



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 15th Annual Workshop on Network and Systems Support for Games (NetGames)	22 Jun - 23 Jun 2017	Taipei, Taiwan	<a href="http://netgames2017.web.nitech.ac.jp/">netgames2017.web.nitech.ac.jp/</a>	NetGames brings together researchers and practitioners from academia and industry across the globe to present their latest research on the challenges of today's networked games, and to further understand the requirements and explore the possibilities of future generations of networked games. NetGames will also have a keynote and panel discussions with participants (or invited talks) from both academia and industry.	IEEE Communications Society Taiwan Data Science Foundation
2017 IEEE/ACM International Symposium on Low Power Electronics and Design (ISLPED)	24 Jul - 26 Jul 2017	Taipei, Taiwan	<a href="http://www.islped.org">www.islped.org</a>	The conference supports innovative research in all aspects of low power electronics and design, ranging from process technologies and analog/digital circuits, simulation and synthesis tools, system-level design and optimization, to system software and applications.	IEEE Circuits and Systems Society IEEE Solid-State Circuits Society Association for Computing Machinery Special Interest Group on Design Automation - ACM SIGDA
2017 IEEE Conference on Dependable and Secure Computing (DSC)	07 Aug – 10 Aug 2017	Taipei, Taiwan	<a href="http://dsc17.cs.nctu.edu.tw">dsc17.cs.nctu.edu.tw</a>	The EDSSC 2017 welcomes scientific papers in the field of Nanoelectronics, Memory Device and Technology, Thin Gate Dielectrics, Photonic Devices, RF & Microwave Devices, Power Devices, Sensors, imagers and MEMS, Organic Devices Device, Reliability Energy Efficient Devices, Emerging Devices, Analog Circuits	IEEE Reliability Society
2017 International Conference on Electron Devices and Solid-State Circuits (EDSSC)	18 Oct– 20 Oct 2017	Hsinchu, Taiwan	<a href="http://www2.ess.nthu.edu.tw/edssc2017">www2.ess.nthu.edu.tw/edssc2017</a>	The EDSSC 2017 welcomes scientific papers in the field of Nanoelectronics, Memory Device and Technology, Thin Gate Dielectrics, Photonic Devices, RF & Microwave Devices, Power Devices, Sensors, imagers and MEMS, Organic Devices Device, Reliability Energy Efficient Devices, Emerging Devices, Analog Circuits	Taipei Section ED Chapter Taipei Section SSC Chapter National Tsing Hua University



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 IEEE Information Theory Workshop (ITW)	06 Nov– 10 Nov 2017	Kaohsiung, Taiwan	<a href="http://www.itw2017.org">www.itw2017.org</a>	The scope of IEEE ITW2017 will be in all areas of information theory with special emphasis on the following: <ul style="list-style-type: none"> <li>• Information Theory for Content Distribution – Distributed data storage – Peer-to-peer network coded broadcasting – Coded caching for wireless and wireline transmissions – Delay-constrained communications</li> <li>• Information Theory and Biology – Information theory and intercellular communication – Information theory and neuroscience – Information-theoretical analysis of biologically-inspired communication systems</li> <li>• Information Theory and Quantum Communication – Quantum information</li> </ul>	IEEE Information Theory Society National Chiao Tung University - NCTU National Sun Yat-sen University
2017 IEEE Workshop on RTL and High Level Testing (WRTLTL)	23 Nov – 24 Nov 2017	Taipei, Taiwan		The purpose of this workshop is to bring researchers and practitioners of LSI testing from all over the world together to exchange ideas and experiences in register transfer level (RTL) and high level testing. WRTLTL'17, the 18th workshop, will be held in conjunction with the 26th Asian Test Symposium (ATS'17) in Taipei, Taiwan. We hope and expect this workshop provides an ideal forum for frank discussion on this important topic for the future system-on-a-chip (SoC) designs and 3D integrated ICs.	IEEE Computer Society National Central University National Taiwan University
2017 IEEE 26th Asian Test Symposium (ATS)	27 Nov – 30 Nov 2017	Taipei, Taiwan	<a href="http://ares.ee.ncu.edu.tw/ats17/index.php">http://ares.ee.ncu.edu.tw/ats17/index.php</a>	The Asian Test Symposium (ATS) provides an open forum for researchers and industrial practitioners from all countries of the world, especially from Asia, to exchange innovative ideas on system, board, and device testing with design, manufacturing and field consideration in mind.	IEEE Computer Society National Central University National Taiwan University

## IEEE 在中国香港召开的会议列表

### (2017 年 1 月至 2017 年 12 月)

Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 Winter School on Biometrics (WSB)	09 Jan - 13 Jan 2017	Hong Kong Baptist University Kowloon Tong Hong Kong, Hong Kong	<a href="http://www.comp.hkbu.edu.hk/ws17/">http://www.comp.hkbu.edu.hk/ws17/</a>	The winter school will include lectures, hands-on session, talks from industry and social programme. Based on advanced biometric technology, the main objective of the programme is to equip the participants with up-to-date biometric knowledge and provide an opportunity for the participants to develop their own personal and professional connections for future career.	IEEE Biometrics Council Dept. of Computer Science, Hong Kong Baptist Univ Institute of Computational and Theoretical Studies, Hong Kong Baptist University
2017 International Symposium on Educational Technology (ISET)	27 Jun- 29 Jun 2017	City University of Hong Kong Hong Kong	<a href="http://www.aimtech.cityu.edu.hk/iset2017/">http://www.aimtech.cityu.edu.hk/iset2017/</a>	Technology has become an irreversible force driving changes in teaching and learning practices. Educational technology broadly covers instructional technology, information and communication technology for educational purposes, with an aim to enhance learning outcome and enrich learning experience through the effective and innovative use of technology.	Hong Kong Section C Chapter Hong Kong Society for Multimedia & Image Computing
2017 IEEE International Conference on Multimedia and Expo (ICME)	10Jul - 14 Jul 2017	Nanyang Executive Centre 50 Nanyang Avenue Singapore, Singapore	<a href="http://www.icme2017.org">www.icme2017.org</a>	Topics of interest include, but are not limited to: – Speech, audio, image, video, text and new sensor signal processing – Signal processing for media integration – 3D visualization and animation – 3D imaging and 3DTV – Virtual reality and augmented reality – Multi-modal multimedia computing systems and human-machine interaction – Multimedia communications and networking – Media content analysis – Multimedia quality assessment – Multimedia security and content protection – Multimedia databases and digital libraries – Multimedia applications and services – Multimedia standards and related issues	IEEE Circuits and Systems Society IEEE Communications Society IEEE Computer Society IEEE Signal Processing Society Asia-Pacific of Signal and Information Processing Association (APSIPA) European Association for Signal Processing - EURASIP
TENCON 2016 - 2016 IEEE Region 10 Conference	22 Nov -25 Nov 2016	TBD Singapore	<a href="http://www.tencon2016.org">www.tencon2016.org</a>	All aspects of electrical, electronic, computer and information technologies.	Region 10 - Asia and Pacific Singapore Section
2016 International Symposium on Integrated Circuits (ISIC)	12 Dec -14 Dec 2016	Singapore		IC design engineers, semiconductor process engineers and device physicists and academics to share and discuss new research directions, problems, ideas, techniques and applications related to integrated devices, circuits and systems	Singapore Section Nanyang Technological University - School of Electrical & Electronic Engineering

## IEEE 在新加坡召开的会议列表 (2017年1月至2017年12月, 按时间顺序排列)

Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 IEEE 18th International Symposium on High Assurance Systems Engineering (HASE)	12 Jan - 14 Jan 2017	TBD Singapore	<a href="http://itrust.sutd.edu.sg/hase2017">itrust.sutd.edu.sg/hase2017</a>	A key question of HASE 2017 is “What design innovation is needed to bring about systems whose operation in accordance with functional and non-functional requirements is assured with a very high probability?” HASE 2017 will focus on this and related questions answers to which are of paramount importance to engineers who design and build interdependent complex systems that impact individuals, entire cities and even nations.	IEEE Computer Society
2017 Winter School on Intelligent Transportation	16 Jan - 20 Jan 2017	Singapore	<a href="http://www.eee.ntu.edu.sg/NewsEvents/WSIIS2017/Pages/Home.aspx">http://www.eee.ntu.edu.sg/NewsEvents/WSIIS2017/Pages/Home.aspx</a>	The winter school will provide an overview of the latest technical progresses related to intelligent transportation via realistic case studies delivered by well known scholars, active researchers and practitioners, and present challenges and opportunities for future research and applications.	IEEE Control Systems Society Nanyang Technological University - School of Electrical& Electronic Engineering
2017 IEEE International Conference on Robotics and Automation (ICRA)	29 May - 03 Jun 2017	Marina Bay Sands, Singapore	<a href="http://icra2017.org/">http://icra2017.org/</a>	All areas of robotics and automation research and development from algorithms, intelligence, control to robotic technology and mechatronics components	IEEE Robotics and Automation Society
2017 IEEE 2nd International Conference on Opto-Electronic Information Processing (ICOIP)	07 Jul - 09 Jul 2017	Singapore, Singapore	<a href="http://www.icoip.org">www.icoip.org</a>	ICOIP aims to be the leading international conferences for presenting novel and fundamental advancements in the fields of Opto-Electronic Information Processing. Its mission is to foster communication among researchers and practitioners working in a wide variety of scientific areas with a common interest in improving Opto-Electronic Information Processing related techniques.	Singapore Section PHO Chapter
2017 Opto-Electronics and Communications Conference (OECC) and Photonics Global Conference (PGC)	31 Jul - 04 Aug 2017	Singapore, Singapore	<a href="http://www.photonics2017.org/">www.photonics2017.org/</a>	OECC and PGC 2017 will be held during 31 July - 4 August 2017 at Sands Expo and Convention Centre, Singapore. The aim of this conference is to foster interactions among broad disciplines in the photonics family.	IEEE Photonics Society Singapore Section PHO Chapter Nanyang Technological University - School of Electrical& Electronic Engineering





Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 Conference on Lasers and Electro-Optics Pacific Rim (CLEO-PR)	31 Jul - 04 Aug 2017	Singapore	<a href="http://www.cleopacificrim.com/">www.cleopacificrim.com/</a>	lasers and their applications, nanophotonics, metamaterial, biophotonics, plasmonics, optical devices, optical transmission and optical networking, optical fibers, optical switching system and related technologies	IEEE Photonics Society Singapore Section PHO Chapter Nanyang Technological University - School of Electrical & Electronic Engineering Optical Society – OSA
2017 2nd IEEE International Conference on Intelligent Transportation Engineering (ICITE)	01 Sep - 03 Sep 2017	Singapore, Singapore	<a href="http://www.icite.org">www.icite.org</a>	The theme of the ICITE2017 conference is Intelligent Transportation Engineering for All Transportation Modes. Major advances in information and communication technology are enabling a vast array of new possibilities in transportation. Intelligent Transportation Engineering is emerging worldwide to make transportation more efficient, reliable, cleaner and safer.	Singapore Section Chapter, ITS38
2017 IEEE 12th Nanotechnology Materials and Devices Conference (NMDC)	02 Oct - 04 Oct 2017	Singapore	<a href="http://ieeenmdc.org/nmdc-2017/">ieeenmdc.org/nmdc-2017/</a>	This conference serves as a perfect platform on which scientists and engineers can present and highlight some of the key advances in the research topics relevant to nanoscience and nanotechnology.	IEEE Nanotechnology Council
2017 IEEE 42nd Conference on Local Computer Networks (LCN)	09 Oct - 12 Oct 2017	Singapore, Singapore	<a href="http://www.ieeelcn.org">www.ieeelcn.org</a>	The IEEE LCN conference is the premier conference on theoretical and practical aspects of computer networking. LCN is highly interactive, enabling an effective interchange of results and ideas among researchers, users, and product developers. Major developments from high-speed networks to the global Internet to specialized sensor networks have been reported at past LCNs.	IEEE Computer Society
GLOBECOM 2017 - 2017 IEEE Global Communications Conference	04 Dec - 08 Dec 2017	Singapore	<a href="http://www.ieee-globecom.org">www.ieee-globecom.org</a>	IEEE GLOBECOM is one of two flagship conferences of the IEEE Communications Society, together with IEEE ICC. Each year the conference attracts about 3000 submitted scientific papers. A technical program committee of more than 1,500 experts provides more than 10,000 reviews, and from this a small fraction of the submitted papers are accepted for publication and presentation at the conference.	IEEE Communications Society Singapore Section
2017 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)	10 Dec - 13 Dec 2017	Singapore, Singapore	<a href="http://www.ieem.org">www.ieem.org</a>	All topics related to engineering and technology management, including applicable analytical methods and economical/social/human issues to be considered in making engineering decisions.	Hong Kong Section TMC Chapter Singapore Section Singapore Section TEMS Chapter

## IEEE 在马来西亚召开的会议列表 (2017年1月至2017年12月, 按时间顺序排列)

Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 IEEE 13th International Colloquium on Signal Processing & Its Applications (CSPA)	10 Mar - 12 Mar 2017	TBA Penang, Malaysia	<a href="http://www.asprg.net/cspa2017/">www.asprg.net/cspa2017/</a>	The colloquium will provide an excellent platform for knowledge exchange between researchers, scientists, academicians and engineers working in the areas of automation, process, scientific research and analysis. This event calls for local and international participation.	Malaysia Section CS Chapter
2017 3rd International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET)	04 Apr - 06 Apr 2017	TBD Malaysia	<a href="http://mech.utm.my/pgsret2017/">mech.utm.my/pgsret2017/</a>	the conference aims to address current issues on, and recent research and development activities in power generation and distribution systems.	Malaysia Section PE Chapter Faculty of Mechanical Engineering, Universiti Teknologi Malaysia
2017 IEEE Symposium on Computer Applications & Industrial Electronics (ISCAIE)	24 Apr - 25 Apr 2017	Langkawi, Malaysia		Automation, Mechatronics & Robotics Bioinformatics & Computational Biology Cloud Computing Computational Intelligence Computer Applications Industrial Electronics Medical Electronics Network & Communication Technologies Signal & Image Processing Software Engineering Trusted Computing & Secure Systems Advances in Medical Robotics and Informatics	Malaysia Section IE/IA Joint Chapter
2017 5th International Conference on Information and Communication Technology (ICoICT)	17 May - 19 May 2017	Melaka, Malaysia	<a href="http://www.icoict.org/">www.icoict.org/</a>	ICoICT 2017 intends to be the premier forum for academicians, industrials, professionals, and students to exchange knowledge and sharing research finding in a broad scope of coverage of information communication technology (ICT).	Malaysia Section SMC Chapter Multimedia University Malaysia Telkom University Indonesia
2017 International Conference on Industrial Engineering, Management Science and Application (ICIMSA)	13 Jun - 15 Jun 2017	Kuala Lumpur, Malaysia	<a href="http://icatse.org/icimsa2017/">icatse.org/icimsa2017/</a>	Conference Scope and Topics are followings Decision Analysis and Methods Information Processing and Engineering Intelligent Systems Manufacturing Systems E-Business and E-Commerce Healthcare Systems and Management Human Factors Quality Control and Management Reliability and Maintenance Engineering Safety, Security and Risk Management Finance and Risk Management Revenue Management Green technology and productivity Systems Modeling and Simulation	Seoul Section Korea Industry Security Forum - KISF



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2017 IEEE Symposium on Wireless Technology & Applications (ISWTA)	30 Jul - 01 Aug 2017	Kuala Lumpur, Malaysia	<a href="http://iswta2017.myiaie.org/">iswta2017.myiaie.org/</a>	Computers, Wireless and Radio Frequency Technology & Associated Applications	Malaysia Section IE/IA Joint Chapter
2017 IEEE Industrial Electronics and Applications Conference (IEACon)	30 Jul - 02 Aug 2017	Kuala Lumpur, Malaysia	<a href="http://ieacon2017.myiaie.org">ieacon2017.myiaie.org</a>	Computers, Electronics, Energy and Industrial Applications	Malaysia Section IE/IA Joint Chapter
2017 IEEE International Conference on Signal and Image Processing Applications (ICSIPA)	12 Sep - 14 Sep 2017	Kuching, Malaysia	<a href="http://spsocmalaysia.org/icsipa2017/">spsocmalaysia.org/icsipa2017/</a>	The scope covers all related fields in signal image processing and video processing, acquisition, storage, retrieval and display, computer vision and analysis, information forensics and security, biomedical signal processing, applied signal and speech processing and emerging technologies.	Malaysia Section SP Chapter
TENCON 2017 - 2017 IEEE Region 10 Conference	05 Nov - 08 Nov 2017	TBD Malaysia		to promote the advancement of research and development in various technologies of interest related to various area under electrical and electronics engineering	Malaysia Section Region 10 - Asia and Pacific
2017 IEEE Asia Pacific Microwave Conference (APMC)	13 Nov - 16 Nov 2017	Kuala Lumpur, Malaysia		Active Devices and Circuits; Passive Components; Field, Device and Circuit Technologies; Systems and Applications; Antennas and Propagation; Emerging Technologies and Applications.	IEEE Microwave Theory and Techniques Society
2017 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)	12 Dec - 15 Dec 2017	Kuala Lumpur, Malaysia		The field of interest of APSIPA concerns all aspects of signal and information including processing, recognition, classification, communications, networking, computing, system design, security, implementation, and technology with applications to scientific, engineering and social areas	Malaysia Section CIS Chapter University of Malaya