

IEL Newsletter

—— 2017 年 12 月特刊：IEEE 召开会议简介

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IEEE 成立于 1884 年，是全球最大的技术行业协会，凭借其多样化的出版物、会议、教育论坛和开发标准，在激励未来几代人进行技术创新方面做出了巨大的贡献，其数据库产品 IEL (IEEE/IET Electronic Library) 自 2001 年进入中国以来，为中国的学者和研究人员提供了世界领先的科技信息。

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 2018 年全年已公布的即将在大陆、台湾、香港、新加坡、马来西亚召开的 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，无线电通信等。

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IEEE 会议录介绍

IEEE/IET Electronic Library (IEL) 每年收录 1500 多种会议录，其中包括了 IEEE 全球会议中最新的科研内容和 IET 会议和活动的出版物。IEEE 会议录是学术界和相关行业公认的世界电气、电子工程、计算机及其相关领域最重要的文献资源，而且这些会议录基本会被 EI 收录。IEEE 会议录的内容广泛，收录的论文主题涉及技术学科各个领域。会议录的出版周期较期刊杂志的出版周期短，因此能提供最新的科研动态和研究成果。

您可以通过 IEEEXplore 平台访问 IEEE、IET 和 VDE 的会议录：<http://ieeexplore.ieee.org/>

IEEE 在中国大陆召开的会议列表

(2018 年 1 月至 2018 年 12 月, 按时间顺序排列)

Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2018 IEEE International Conference on Big Data and Smart Computing (BigComp)	15 Jan - 17 Jan 2018	Crown Plaza Fudan University 199 Handan Road Shanghai, China	bigcomputing.org	The goal is to provide an annual forum for exchanging ideas, challenges, and research results on big data and smart computing which have recently drawn much attention from computer science and information technology as well as from social sciences and other disciplines.	IEEE Computer Society Korean Institute of Information Scientists and Engineers - KIISE
2018 Winter School on Biometrics (WSB)	29 Jan - 02 Feb 2018	Shenzhen University Shenzhen, China	www.comp.hkbu.edu.hk/wsb18	The winter school will include lectures, hands-on session, talks from industry and social programme. To consolidate the fundamental knowledge of biometrics and share the latest biometric development, the scope of the programme is designed to cover the topics which mainly include mobile biometrics, anti-spoofing, template protection, and fundamental of different biometric modalities.	IEEE Biometrics Council College of Computer Science and Software Engineering, Shenzhen University
2018 International Workshop on Antenna Technology (iWAT)	05 Mar - 07 Mar 2018	Jinling Hotel Nanjing Nanjing, China	www.em-conf.com/iwat2018/	small antennas, applications of advanced and artificial materials to the antenna design, Electromagnetic bandgap, 5G communications, Millimeter-wave/terahertz antennas, Ultra-wideband (UWB) antennas, Wearable antennas, Wireless power transfer	IEEE Antennas and Propagation Society Nanjing University – NJU Nanjing University of Aeronautics & Astronautics - NUAA Nanjing University of Information Science and Technology – NUIST Nanjing University of Science and Technology – China Southeast University, China
2018 18th International Workshop on Junction Technology (IWJT)	08 Mar - 09 Mar 2018	Fudan University Shanghai, China	www.iwjt.org	IWJT is an open forum focused on the needs and interest of the community of a junction formation technology in semiconductors.	IEEE Electron Devices Society Fudan University



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2018 IEEE 3rd International Conference on Big Data Analysis (ICBDA)	09 Mar - 12 Mar 2018	Convenient Center East China University of Science and Technology Shanghai, China	www.icbda.org/	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.	Beijing Section Xi'an Jiaotong Liverpool University
2018 Ubiquitous Positioning, Indoor Navigation and Location-Based Services (UPINLBS)	22 Mar - 23 Mar 2018	Wuhan University, China	unsc.whu.edu.cn/upinlbs/	At UPINLBS, we concentrate on innovative, state-of-the-art solutions and techniques dealing with ubiquitous positioning, indoor and outdoor navigation, location-based technologies and so much more. The conference will feature leading minds from relevant industries, and will provide an indispensable forum for networking with like-minded individuals, researchers, developers, and businesses.	Wuhan Section GRS Chapter Wuhan University
2018 IEEE International Conference on Computational Electromagnetics (ICCEM)	26 Mar - 28 Mar 2018	Minshan Hotel Chengdu, China	http://www.emrc.uestc.edu.cn/iccem2018	The IEEE International Conference on Computational Electromagnetics is financially sponsored by the Antennas and Propagation Society. It brings together researchers and practitioners for sharing their latest advances in numerical algorithms, modeling methods, optimization and animation tools, and computing platforms for applications across the whole electromagnetic spectrum.	IEEE Antennas and Propagation Society University of Electronic Science Technology of China
2018 Tenth International Conference on Advanced Computational Intelligence (ICACI)	29 Mar - 31 Mar 2018	TBD TBD Xiamen, China	www.icaci2018.org/	ICACI 2018 aims to provide a high-level international forum for scientists, engineers, and educators to present the state-of-the-art research and applications in computational intelligence. The conference will feature plenary speeches given by world renowned scholars, regular sessions with broad coverage, and special sessions focusing on popular topics.	IEEE Systems, Man, and Cybernetics Society Xiamen University - China
2018 IEEE International Symposium on Innovation and Entrepreneurship (TEMS-ISIE)	30 Mar - 01 Apr 2018	Tsinghua University Beijing, China	isie.ieee-tems.org	Entrepreneurship and Innovation in Emerging Markets	IEEE Technology and Engineering Management Society (TEMS) Tsinghua University



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2018 IEEE International Conference on Applied Superconductivity and Electromagnetic Devices (ASEMD)	15 Apr - 18 Apr 2018	Conference Center, Huazhong University of Science and Technology Wuhan, China	www.asemd2018.org	International Conference on Applied Superconductivity and Electromagnetic Devices (ASEMD 2018) will be held from April 15 to 18, 2018 in Wuhan, sponsored by IEEE Beijing Section. ASEMD2018 continues the focus on the applied superconductivity and electromagnetic devices. It provides a forum for both university and industry academic researchers and experts in the relevant fields to discuss and share ideas, present results, reflect on past experiences and discuss future developments	Beijing Section Tianjin University
2018 IEEE 3rd International Conference on Cloud Computing and Big Data Analysis (ICCCBDA)	20 Apr - 22 Apr 2018	Southwest Jiaotong University Chengdu, China	www.icccbda.com/	ICCCBD 2018 is one of the leading international conferences for presenting novel and fundamental advances in the fields of Cloud Computing and Big Data. It also serves to foster communication among researchers and practitioners working in a wide variety of scientific areas with a common interest in improving Cloud Computing and Big Data Analysis related techniques.	Chengdu Section CIS Chapter
2018 International Conference on Radiation Effects of Electronic Devices (ICREED)	07 May - 11 May 2018	Harbin, China		The aim of ICREED is to provide a chance for the presentation and discussion of the latest advances in the field of radiation effects on electronic materials, devices, circuits, sensors and systems. The scope of the conference encompasses technological processes and design techniques for producing radiation tolerant systems for space, aeronautical or terrestrial applications, as well as relevant methodologies for their characterization and qualification.	Harbin Section Harbin Institute of Technology National Laboratory of Analog Integrated Circuits Radiation Physics Institute of Chinese Nuclear Society
2018 International Conference on Microwave and Millimeter Wave Technology (ICMMT)	07 May - 11 May 2018	Chengdu, China	www.em-conf.org/icmmt2018	ICMMT2018 is intended to provide a broad international forum and nice opportunity for the scientists and engineers to present their new ideas and exchange information on research.	Chengdu Section MTT Chapter Chinese Institute of Electronics Microwave Society
2018 16th International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt)	07 May - 11 May 2018	Xuhui campus of Shanghai Jiao Tong University (SJTU) Shanghai, China	www.wi-opt.org/	WiOpt 2018 welcomes original papers related to modeling, performance evaluation, and optimization of wireless networks. The scope covers all types of wireless networks: cellular, ad hoc, content-driven, delay-tolerant, mesh, metropolitan, sensor, cognitive, vehicular, robotic, Internet of Things, virtualized, etc.	IEEE Control Systems Society IEEE Information Theory Society Shanghai Jiao-Tong University



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2018 IEEE 22nd International Conference on Computer Supported Cooperative Work in Design (CSCWD)	09 May - 11 May 2018	Southeast University 2 Sipailou Nanjing, China	2018.cscwd.org	Collaboration technologies and applications to the design of processes, products, systems, and services in industries and societies. Application domains include aerospace, automotive, manufacturing, construction, logistics, transportation, power and energy, healthcare, infrastructure, administration, social networks, and entertainment.	IEEE Systems, Man, and Cybernetics Society CSCWD International Working Group China Southeast University
2018 IEEE International Symposium on Electromagnetic Compatibility and 2018 IEEE Asia-Pacific Symposium on Electromagnetic Compatibility (EMC/APEMC)	14 May - 18 May 2018	TBD China	www.emc2018.emcss.org	EMC and Signal Integrity testing, design, Standards and research	IEEE Electromagnetic Compatibility Society Asia-Pacific EMC
2018 13th IEEE International Conference on Automatic Face & Gesture Recognition (FG 2018)	15 May - 19 May 2018	Grand Dynasty Culture Hotel China	www.fg2018.org	conference on automatic analysis, recognition, and applications of human face and body gesture	IEEE Biometrics Council IEEE Computer Society
2018 1st Workshop on Wide Bandgap Power Devices and Applications in Asia (WiPDA Asia)	16 May - 18 May 2018	Xi'an Zhang Ba Hotel 1st, Zhang Ba North Road, Yanta District Xi'an, China	www.wipda-asia.org	The workshop in Wide Bandgap Power Devices Applications (WiPDA Asia) sponsored by IEEE, provides a forum for device scientists, circuit designers, and application engineers share technology updates, research findings, development experience, and application knowledge	IEEE Power Electronics Society
2018 International Conference on Mechatronics Engineering and Computer Sciences (ICMECS)	18 May - 20 May 2018	Shenyang Rose Hotel 201 Zhongjie Road, Shenhe District Shenyang, China	www.icmeecs.com/	This Conference provides an idea-exchange and discussion platform for the world's engineers and academia to share cutting-edge information, address the hottest issue in Mechatronics Engineering and Computer Sciences, explore new technologies, exchange and build upon ideas. The aim of ICMECS 2018 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 Management, Communicates, Electronic and Automation Control.	Harbin Section Computer Science and Electronic Technology International Society



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2018 IEEE International Conference on Energy Internet (ICEI)	21 May - 25 May 2018	TBD China	http://www.energyinter.net.cn/icei2018/index.html	IEEE ICEI 2018 will focus on related research areas such as architecture and design, energy switching and routing, information and communication technology, energy management systems, energy market and trading for Energy Internet.	IEEE Computer Society Tsinghua University
2018 IEEE 7th Data Driven Control and Learning Systems Conference (DDCLS)	25 May - 27 May 2018	Enshi Hualongcheng Hotel Enshi, China	ddclo.bjtu.edu.cn/2018DDCLS/	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. Modeling these processes accurately using first principles or identification is almost impossible although these plants produce huge amount of operation data in every moment.	Beijing Section IEEE Industrial Electronics Society Technical Committee on Data Driven Control, Learning and Optimization, Chinese Association of Automation
2018 2nd IEEE Advanced Information Management, Communication, Electronic and Automation Control Conference (IMCEC)	25 May - 27 May 2018	Conference Center of Xi'an Peihua University Xi'an, China	www.imcec.org	The aim of IMCEC 2016 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 Management, Communication, Electronic and Automation Control.	Beijing Section Chongqing Global Union Academy of Science and Technology
2018 IEEE Conference on Communications and Network Security (CNS)	30 May - 01 Jun 2018	TBD Beijing, China	cns2018.ieee-cns.org/	IEEE Conference on Communications and Network Security (CNS) is a conference series in IEEE Communications Society (ComSoc) core conference portfolio and the only ComSoc conference focusing solely on cyber security. The goal of CNS is to provide an outstanding forum for cyber security researchers, practitioners, policy makers, and users to exchange ideas, techniques and tools, raise awareness, and share experience related to all practical and theoretical aspects of communications and network security.	IEEE Communications Society
2018 13th IEEE Conference on Industrial Electronics and Applications (ICIEA)	31 May - 02 Jun 2018	Wuhan, China	www.ieeeiciea.org/2018/	Industrial Informatics, Computational Intelligence, Control and Systems, Cyber-physical Systems, Energy and Environment, Mechatronics, Power Electronics, Signal and Information Processing, Network and Communication Technologies	IEEE Industrial Electronics Society Singapore Section Singapore Section IE Chapter Wuhan University of Science and Technology



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2018 Chinese Control And Decision Conference (CCDC)	09 Jun - 11 Jun 2018	TBD Shenyang, China	www.ccdc.neu.edu.cn/	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..	IEEE Control Systems Society Northeastern University, China Technical Committee on Control and Decision of Cyber Physical Systems (TCCDCPS), Chinese Association of Automation, China
2018 IEEE Third International Conference on Data Science in Cyberspace (DSC)	18 Jun - 21 Jun 2018	Guangzhou, China	www.ieee-dsc.org/2018/	IEEE DSC 2018 invites submissions on a wide spectrum of topics, including but not limited to the following areas: 1. Data Science 2. Big Data 3. Data Intensive Applications in Cyberspace 4. Data Intensive Systems 5. Social Networks & Social Media 6. Data Mining, Knowledge Discovery and Machine Learning 7. Information Retrieval and Smart Search 8. Cyberspace Security 9. Network Wisdom 10. Data Security and Privacy	IEEE Computer Society Peking University
2018 IEEE Intelligent Vehicles Symposium (IV)	26 Jun - 29 Jun 2018	TBD Changshu, Suzhou, China	www.iv2018.org	The Intelligent Vehicles Symposium (IV'18) is a premier forum sponsored by the IEEE Intelligent Transportation Systems Society (ITSS). Researchers, engineers, practitioners, and students, from industry, universities and government agencies are invited to present their latest work and to discuss research and applications for Intelligent Vehicles and Vehicle-Infrastructure Cooperation.	IEEE Intelligent Transportation Systems Society Chinese Association of Automation Qingdao Academy of Intelligent Industries The State Key Laboratory of Management and Control for Complex Systems, Chinese Academy of Sciences Xian Jiaotong University
2018 IEEE 16th International Conference on Software Engineering Research, Management and Applications (SERA)	10 Jul - 12 Jul 2018	TBD China	http://www.acisinternational.org/newconferences	The 16th International Conference on Software Engineering Research, Management and Applications (SERA 2018) provides an international forum where engineers, researchers and advanced graduate students are invited to present their experiences and their recent advances and latest research results related to all aspects of software engineering research and applications.	IEEE Computer Society International Association for Computer & Information Science - ACIS



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2018 IEEE International Future Energy Challenge (IFEC)	16 Jul - 18 Jul 2018	Tsinghua University No.1 Qinghuayuan Haidian District Beijing, China	www.energychallenge.org	IFEC is an international student competition for innovation, conservation, and effective use of electrical energy, which is open to college and university student teams from recognized engineering programs in any location. The competition is sponsored by the Institute of Electrical and Electronics Engineers (IEEE) Power Electronics Society (PELS), Power & Energy Society (PES), Industry Application Society (IAS) and Power Sources Manufacturers Association (PSMA).	IEEE Power Electronics Society
2018 27th International Conference on Computer Communication and Networks (ICCCN)	30 Jul - 02 Aug 2018	Hangzhou Sunny Sunday Resort 200 Santaisan Road Hangzhou, ZJ, China	iccn.org/iccn18	Communications and Networks, Communication and Information Theory, Optical Networking, Networking for Sustainability and Energy Efficiency, Network Science and Social Networks, Internet Services and Applications, Multimedia, QoS and Traffic Modeling, Network Architecture and Clean-Slate Designs, Grid and Cloud Computing, Cognitive Radio Networks, Network Algorithms and Performance Evaluation, Security/Privacy/Trust, Sensor Networks/Embedded Systems/Pervasive Computing, Wireless Ad Hoc and Mesh Networks, Wireless LAN/Cellular/Heterogeneous Networks, Wireless Communication.	IEEE Communications Society Computer Science and Engineering Foundation
2018 IEEE CSAA Guidance, Navigation and Control Conference (GNCC)	10 Aug - 12 Aug 2018	Xiamen, China	gncc.buaa.edu.cn/	Topics of interests are in the broad areas of GNC, including but not limited to: Control Theory and Analysis; Intelligent Computing, Communication and Control; New Methods of Navigation, Estimation and Tracking; Navigation, Guidance and Control of Aircraft; Navigation, Guidance and Control of Other Moving Objects; Control of Multiple Moving Objects; Man and Autonomous Unmanned Systems; Guidance, Navigation and Control of Miniature Aircraft; Sensor Systems for Guidance, Navigation and Control; Advanced Design / Simulation Software.	Nanjing Section CS Chapter Aviation Industry Corporation of China Chinese Society of Aeronautics and Astronautics (CSAA) Science and Technology on Aircraft Control Laboratory
2018 14th IEEE International Conference on Signal Processing (ICSP)	12 Aug - 16 Aug 2018	Beijing Taiyangdao Hotel Beijing, China	http://www.icsp-ieee.org/	ICSP2018 includes sessions on all aspects of theory, design and applications of signal processing.	Beijing Section Beijing Jiaotong University - BJU IET Beijing Local Network



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2018 Asia-Pacific Conference on Plasma and Terahertz Science (APCOPTS)	15 Aug - 18 Aug 2018	Xian Elegant Oriental Hotel Phoenix Avenue No. 3, Linton District Xian City, China	tps.xait.cc	Plasma and Terahertz Science and Technology	IEEE Nuclear and Plasma Sciences Society Xian Section NPSS Chapter Xian Jiaotong University
2018 24th International Conference on Pattern Recognition (ICPR)	20 Aug - 24 Aug 2018	China National Convention Center Beijing, China	www.icpr2018.org/	ICPR will be an international forum for discussions on recent advances in the fields of Pattern Recognition, Machine Learning and Computer Vision, and on applications of these technologies in various fields	IEEE Computer Society Institute of Automation of Chinese Academy of Sciences - CASIA
2018 IEEE International Conference on Intelligence and Safety for Robotics (ISR2018)	24 Aug - 27 Aug 2018	Maritim Hotel Shenyang Shenyang, China	https://www.ieeeisr2018.org/	During last two decades, Human and Robots are being interacted and integrated increasingly in various domains. Robots are more intelligent than ever before. We cooperate with these intelligent robots in factories, interact in public territories and personal households.	IEEE Robotics and Automation Society Liaoning Association for Science and Technology Shenyang University of Technology
2018 10th International Conference on Intelligent Human-Machine Systems and Cybernetics (IHMSC)	25 Aug - 26 Aug 2018	ZIJINGANG International Hotel Hangzhou, China	http://ihmsc.zju.edu.cn/index.html	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
2018 7th Euro-Asian Pulsed Power Conference (EAPPC) and 22nd International Conference on High-Power Particle Beams (BEAMS)	16 Sep - 20 Sep 2018	Empark Grand Hotel No.199, Jintai Road, Kaifu District Changsha, China	www.eappc-beams2018.org	The joint conference will provide a forum for the exchange of scientific and technical information between industry, academic institutions and research organizations, on the broad range of current and emerging research areas of pulsed power technologies and high power particle beams.	IEEE Nuclear and Plasma Sciences Society National University of Defense Technology
2018 International Workshop on Big Geospatial Data and Data Science (BGDDS)	22 Sep - 23 Sep 2018	Conference Center of Wuhan University 129 Luoyu Road Wuhan, China	geos.whu.edu.cn/bigdataconf/	Geospatial data are growing faster than ever due to the development of sensor technologies and cyber-infrastructure. The data are not only bigger than before but they also have increased complexity due to their very special characteristics of volume, variety, velocity, value, veracity, and variability.	IEEE Geoscience and Remote Sensing Society Wuhan University



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2018 IEEE 3rd Advanced Information Technology, Electronic and Automation Control Conference (IAEAC)	12 Oct - 14 Oct 2018	Chongqing Jinkaoyuan Conference Center 61 Hongjin Road, Yubei District Chongqing, China	www.iaeac.org	The aim objective of IAEAC 2018 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. 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 Section Chongqing Global Union Academy of Science and Technology
2018 International Conference on Power System Technology (POWERCON)	24 Oct - 26 Oct 2018	Guangzhou, China	www.csee-conference.org/powercon2018	The conference will focus on smart grid, energy interconnection, UHV transmission, distributed generation, renewable energy generation and its integration into large grid, energy storage, energy saving and emission reduction.	IEEE Power & Energy Society Chinese Society of Electrical Engineering
2018 14th IEEE International Conference on Solid-State and Integrated Circuit Technology (ICSICT)	31 Oct - 03 Nov 2018	Sheraton Huangdao Hotel Qingdao, China	www.icsict.com	Process & Device Technologies 1. Channel Engineering 2. High-k/Metal gate Technology 3. Advanced Source/Drain Technology 4. Interconnect Technology 5. Advanced 3D Integration 6. Novel Process Technologies 7. Ultra-Thin Body Transistors and Device Variability 8. Advanced High-k Metal Gate SoC and High Performance CMOS Platforms 9. CMOS Performance Enhancing and Novel Devices 10. Advanced FinFETs and Nanowire FETs 11. CNT, MTJ Devices and Nanowire Photodiodes 12.etc	Beijing Section Fudan University
2018 IEEE 23rd International Conference on Digital Signal Processing (DSP)	19 Nov - 21 Nov 2018	Convention Center of ShanghaiTech Shanghai, China	dsp2018.org/home.asp	DSP addresses the theory and application of filtering, coding, transmitting, estimating, detecting, analyzing, recognizing, synthesizing, recording, and reproducing signals by means of digital devices or techniques. The term "signal" includes audio, video, speech, image, communication, geophysical, sonar, radar, medical, musical, and other signals.	IEEE Circuits and Systems Society Singapore Section Singapore Section CAS Chapter Shanghai Institute of Microsystem and Information Technology - Chinese Academy of Sciences
2018 IEEE Information Theory Workshop (ITW)	25 Nov - 29 Nov 2018	Sun Yat-sen Kaifeng Hotel Binjiangdong Road Guangzhou, China	www.itw2018.org	Original papers on Information and Coding Theory are encouraged for submission. The scope of submission includes, but is not limited to Information Theory and its Applications Frontiers of Coding Theory and Practice Boundaries between Information Theory and Data Science, Biology and Signal Processing Network Information Theory Network Coding and Distributed Storage Information Theoretic Security	IEEE Information Theory Society Chinese Information Theory Society Dongguan University of Technology SYSU-CMU Shunde International Joint Research Institute (JRI) Southwest Jiaotong University Sun Yat-sen University

IEEE 在中国台湾召开的会议列表 (2018 年 1 月至 2018 年 12 月, 按时间顺序排列)

Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2018 IEEE International Conference on Smart Manufacturing, Industrial & Logistics Engineering (SMILE)	08 Feb - 09 Feb 2018	Conference Center of National Tsing Hua University Taiwan, China	smile.ieeng.org	SMILE 2018 will provide a high-level international forum for experts, scholars and entrepreneurs to foster the exchange of research developments and latest practice on smart manufacturing, industrial engineering and logistics.	Beijing Section Chinese Industrial Engineering Institution, CMES
2018 International Symposium on VLSI Design, Automation and Test (VLSI-DAT)	16 Apr - 19 Apr 2018	Ambassador Hotel Hsinchu Hsinchu, Taiwan	expo.itri.org.tw/2018vlsidat	*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 syntheses	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
2018 International Symposium on VLSI Technology, Systems and Application (VLSI-TSA)	16 Apr - 19 Apr 2018	Ambassador Hotel Hsinchu Hsinchu, Taiwan	expo.itri.org.tw/2018vlsitsa	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.	I IEEE Electron Devices Society IEEE Solid-State Circuits Society Taipei Section Taipei Section ED Chapter Taipei Section SSC Chapter Industrial Technology Research Institute – ITRI
2018 3rd International Conference on Intelligent Green Building and Smart Grid (IGBSG)	22 Apr - 25 Apr 2018	National Ilan University Yi-Lan, Taiwan	igbsg.ntust.edu.tw	building/ home communication technologies, e-applications, power electronics and green building technologies for a wide range of uses in intelligent buildings and smart grids.	IEEE Industry Applications Society Taipei Section CIS Chapter Taipei Section EMC Chapter Taipei Section IA Chapter Taipei Section IE Chapter National Taiwan University of Science and Technology - NTUST



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
NOMS 2018 - 2018 IEEE/IFIP Network Operations and Management Symposium	23 Apr - 27 Apr 2018	NTUH International Convention Center Taipei, Taiwan	noms2018.ieee-noms.org/	The 16th IEEE/IFIP Network Operations and Management Symposium (NOMS 2018) will be held 23 - 27 April 2018 in Taipei, Taiwan. Held in even - numbered years since 1988, NOMS 2018 will follow the 30 years tradition of NOMS and IM as the primary IEEE Communications Society's forum for technical exchange on management of information and communication technology focusing on research, development, integration, standards, service provisioning, and user communities.	IEEE Communications Society
2018 7th International Symposium on Next Generation Electronics (ISNE)	07 May - 09 May 2018	GIS TAIPEI TECH Convention Center Taipei, Taiwan	isne2018.ntut.edu.tw/	The ISNE 2018 will feature plenary and invited talks by famous scientists in Microelectronic Devices and Materials, Microelectronic Circuits and Systems, Compound Semiconductor Materials, Electronic and Photonic Devices, Computer and Communication Engineering, Renewable and Sustainable Energy Device and Materials, Sensors, Packaging technologies, and Novel Applications in Science and Technology, Biomedical Electronics, and Advanced IC optoelectronic and MEMS Technologies.	IEEE Electron Devices Society National Taipei University of Technology
2018 IEEE 18th International Conference on Bioinformatics and Bioengineering (BIBE)	04 Dec - 07 Dec 2018	Academia Sinica Taipei, Taiwan	http://prdc.dependability.org/PRDC2018/	A This conference covers many dimensions of dependability and fault tolerance, encompassing fundamental theoretical approaches, practical experimental projects, and commercial components and systems. As applications of computing systems have permeated into all aspects of daily life, the dependability of computing systems has become increasingly critical.	IEEE Computer Society
2018 IEEE Conference on Dependable and Secure Computing (DSC)	10 Dec - 13 Dec 2018	Kaohsiung, Taiwan		The IEEE Conference on Dependable and Secure Computing solicits papers, posters, practices, and experiences for presenting innovative research results, problem solutions, and new challenges in the field of dependable and secure computing.	IEEE Reliability Society
2018 IEEE International Conference on Artificial Intelligence and Virtual Reality (AIVR)	10 Dec - 12 Dec 2018	Splendor Hotel Taichung, CA, Taiwan	www.ieee-aivr.org/	Semantic and cognitive aspects in virtual reality Immersive environments and virtual worlds Multimodal interaction Human-virtual user/agent interaction Knowledge representation and problem solving Machine learning for multimodal interaction Behaviour and activity generation Data generation and validation Dialogue modeling and generation Data fusion and representation System components and virtual reality platforms Applications for education, gaming, business, healthcare, and other applications	IEEE Computer Society Asia University

IEEE 在中国香港召开的会议列表 (2018年1月至2018年12月, 按时间顺序排列)

Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2018 IEEE International Conference on Sensing, Communication and Networking (SECON Workshops)	11 Jun - 11 Jun 2018	Hong Kong Polytechnic University Hong Kong, Hong Kong	www.ieee-secon.org	Workshops for IEEE SECON conference will provide a unique forum to exchange innovative research ideas, recent results, and share experiences among researchers and practitioners in wireless networks, mobile systems and the Internet of Things. The focus of IEEE SECON is novel communication technologies and emerging applications and services, involving mobile sensing and communication, and ubiquitous and pervasive computing.	IEEE Communications Society
2018 15th Annual IEEE International Conference on Sensing, Communication, and Networking (SECON)	11 Jun - 13 Jun 2018	Hong Kong Polytechnic University Hong Kong, Hong Kong	www.ieee-secon.org	The 15th annual IEEE SECON conference will provide a unique forum to exchange innovative research ideas, recent results, and share experiences among researchers and practitioners in wireless networks, mobile systems and the Internet of Things. The focus of IEEE SECON is novel communication technologies and emerging applications and services, involving mobile sensing and communication, and ubiquitous and pervasive computing.	IEEE Communications Society
2018 IEEE Computer Society Annual Symposium on VLSI (ISVLSI)	08 Jul - 11 Jul 2018	Hong Kong Polytechnic University Hong Kong, Hong Kong	www.isvlsi.org/	This Symposium explores emerging trends and novel ideas and concepts in the area of VLSI. The Symposium covers a range of topics: from VLSI circuits, systems and design methods to system level design and system-on-chip issues, to bringing VLSI experience to new areas and technologies. Future design methodologies as well as new CAD tools to support them will also be the key topics. ISVLSI 2018 highlights a special theme of Internet of Things. Over almost two decades the Symposium has been a unique forum promoting multidisciplinary research and new visionary approaches in the area of VLSI.	IEEE Communications Society
2018 10th International Symposium on Turbo Codes & Iterative Information Processing (ISTC)	03 Dec - 07 Dec 2018	Hong Kong Polytechnic University Hong Kong, Hong Kong	http://www.eie.polyu.edu.hk/turbocodes2018/ISTC_2018/Home.html	This conference is a platform to share recent research progresses in modern forward error control codes, iterative signal processing methods and their applications in information theory and digital communication systems. It also provides an opportunity to advocates future research directions as well as industrial innovation of turbo and message passing algorithms.	Hong Kong Section IT Chapter IEEE Information Theory Society

IEEE 在新加坡召开的会议列表

(2018年1月至2018年12月, 按时间顺序排列)

Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2018 IEEE 4th International Conference on Identity, Security, and Behavior Analysis (ISBA)	10 Jan - 12 Jan 2018	Nanyang Executive Centre 60 Nanyang View Singapore, Singapore	http://www3.ntu.edu.sg/conference/ISBA2018/	The IEEE International Conference on Identity, Security and Behavior Analysis (ISBA) is a unique conference series initiated by the IEEE Biometrics Council. It will serve as a forum that brings together experts in biometrics, identity management, and human behavior analysis to explore research issues and come up with comprehensive and effective solutions, which surpass those considered in individual research areas. This conference serves to provide a new form for such broad areas defining human side of security and user behavior as well as social influence in the security of information systems.	IEEE Biometrics Council
2018 IEEE 4th World Forum on Internet of Things (WF-IoT)	05 Feb - 08 Feb 2018	Sands Marina Hotel Singapore	wfiot2018.iot.ieee.org/	The 2018 IEEE 4th World Forum on Internet of Things (WF-IoT) seeks contributions on how to nurture and cultivate IoT technologies and applications for the benefit of society	IEEE IoT Initiative
2018 International Conference on Intelligent Autonomous Systems (ICoIAS)	01 Mar - 03 Mar 2018	Nanyang Executive Centre Singapore	www.icias.org	The main goal of ICIAS'2018 is to address latest original results in advanced intelligent control of autonomous systems, including both theoretical advances and practical implementations, which are becoming more and more popular in industry and in our daily lives.	Singapore Section SMC Chapter Chongqing University University of Electronic Science and Technology of China - UESTC
2018 Future of Information and Communication Conference (FICC)	05 Apr - 06 Apr 2018	Holiday Inn Singapore Singapore, Singapore	saiconference.com/FICC2018	Future of Information and Communication Conference, a part of SAI Conferences, provides a platform for bringing together researchers, practitioners, and academia to present and discuss ideas, challenges and potential solutions on established or emerging topics related to research and practice in Communication, Data Science, Computing and Internet of Things.	Singapore Section SP Chapter The Science and Information Organization - SAI
2018 IEEE International Magnetic Conference (INTERMAG)	22 Apr - 27 Apr 2018	Marina Bay Sands Convention Centre Singapore, Singapore		Intermag is an international conference that brings the best of the developments in the field of fundamental and applied magnetism. The topics covered in the conference includes fundamental magnetism, magnetic recording, magnetic memory, permanent magnets, soft magnetic materials, magnetic microscopy, biomagnetism, motors, electric machines, sensors and actuators etc.	IEEE Magnetics Society



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2018 IEEE Innovative Smart Grid Technologies - Asia (ISGT Asia)	22 May - 25 May 2018	Singapore		The IEEE PES ISGT Asia 2018 conference will be a melting pot of participants from academia, industry, research and development organizations, electric power utilities, power and energy sector service providers to discuss, share and exchange ideas related to state-of-the-art innovations in smart grid technologies for the future grid.	IEEE Power & Energy Society Singapore Section PES Chapter
2018 IEEE 21st International Symposium on Real-Time Distributed Computing (ISORC)	29 May - 31 May 2018	Nanyang Executive Center (NEC) 60 Nanyang View Singapore	isorc2018.org	The principal theme of ISORC is the application of the latest computing paradigms to real-time systems, applications and research. In the ISORC series, this paradigm emphasizes its spirit of openness where diverse views and new approaches to challenging issues can be freely discussed.	IEEE Computer Society
2018 IEEE/ACIS 17th International Conference on Computer and Information Science (ICIS)	25 Jun - 27 Jun 2018	TBD Singapore	http://www.acisinternational.org/newconferences.html	The 17th International Conference on Computer and Information Science (ICIS 2018) 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
2018 IEEE International Symposium on the Physical and Failure Analysis of Integrated Circuits (IPFA)	16 Jul - 19 Jul 2018	Marina Bay Sands Convention Centre 1 Bayfront Ave Singapore, Singapore	www.ieee-ipfa.org	IPFA 2018 is devoted to the fundamental understanding of the electrical and physical characterization techniques and associated technologies that assist in probing the nature of wear-out and failure in conventional and new CMOS devices, in turn resulting in improved knowhow of the physics of device / circuit / module failure that serves as critical input for future design for reliability.	Singapore Section Singapore Section R/EP/ED Jt Chapter
2018 IEEE International Conference on Service Operations and Logistics, and Informatics (SOLI)	31 Jul - 02 Aug 2018	Furama Riverfront Hotel Singapore		Topics interested include but are not limited to the following: - Intelligent Transportation Systems - Big Data & Smart City - Smart Home Technologies - Autonomous Vehicle Technologies .etc	IEEE Council on RFID IEEE Intelligent Transportation Systems Society
2018 International Symposium on Information Theory and Its Applications (ISITA)	28 Oct - 31 Oct 2018	Singapore, Singapore	www.isita.ieice.org/2018/	The scope of the symposium includes all aspects of information theory and its applications. It covers a wide range of topics such as Shannon Theory, Coding Theory, and Information Security as well as novel applications of information theory.	IEEE Information Theory Society IEICE Research Society of Information Theory and its Applications

IEEE 在马来西亚召开的会议列表 (2018年1月至2018年12月, 按时间顺序排列)

Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2018 IEEE 14th International Colloquium on Signal Processing & Its Applications (CSPA)	09 Mar - 10 Mar 2018	TBA Pulau Pinang, Malaysia	www.asprg.net/cspa2018	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
2018 International Conference on Intelligent Systems Engineering (ICISE)	20 Mar - 21 Mar 2018	International Islamic University Malaysia Kuala Lumpur, Malaysia	www.iium.edu.my/icise/	The scope covers light current devices for tele-monitoring, intelligent systems in computers and wireless sensor networks	Intl Islamic Univ Malaysia Student Branch FET International Islamic University Islamabad International Islamic University Malaysia
2018 Fourth International Conference on Information Retrieval and Knowledge Management (CAMP)	26 Mar - 28 Mar 2018	Le Meridien Kota Kinabalu Kota Kinabalu, Malaysia	camp18.pecamp.org/	Theory, development, application and experience, gained through experimentation or reasoned analogies in information retrieval and knowledge management	Malaysia Section C Chapter PECAMP
2018 IEEE 7th International Conference on Photonics (ICP)	09 Apr - 11 Apr 2018	TBC Langkawi Island Malaysia	http://www.aconf.org/conf_104680.2018_IEEE_7th_International_Conference_on_Photonics.html	The conference focuses on new technologies in photonics field including fibre optic, lasers, nanophotonics, and biophotonics.	IEEE Photonics Society Malaysia Section PHO Chapter
2018 IEEE Symposium on Computer Applications & Industrial Electronics (ISCAIE)	28 Apr - 29 Apr 2018	Penang, Malaysia	sites.google.com/site/iscaie2018/	Industrial Electronics Computational Intelligence Information Engineering Network & Communication Technologies Signal & Image Processing Trusted Computing & Secure Systems Software Engineering Internet of Things	Malaysia Section IE/IA Joint Chapter
2018 International Conference on Smart Grid and Clean Energy Technologies (ICSGCE)	29 May - 01 Jun 2018	Universiti Tunku Abdul Rahman Kajang, Malaysia	www.icsgce.com/	Smart Grid, Clean and Renewable Energy, Power and Energy Engineering	Malaysia Section PE Chapter University of Electronic Science and Technology of China - UESTC



Conference	Dates	Location	Website	Conference Scope	Organizers/Sponsored
2018 International Conference on Smart Computing and Electronic Enterprise (ICSCEE)	11 Jul - 12 Jul 2018	Shah Alam, Malaysia	ICSCEE2018.mediu.edu.my	This conference aims to attract researchers who are actively engaged both in theoretical and practical aspects of smart Computing and electronic enterprise related research. The focus is on theoretical and practical smart computing research with special highlight on electronic enterprise field.	Malaysia Section C Chapter Al-Madinah International University, Malaysia
2018 2nd International Conference on Smart Sensors and Application (ICSSA)	24 Jul - 26 Jul 2018	TBA Malaysia	razakschool.utm.my/icssa2018/	Researchers and authors are invited to submit original high quality technical papers addressing innovative research in the broad field of smart sensors and application.	Malaysia Section IM Chapter Department of Engineering, UTM Razak School of Engineering and Advanced Technology, UTM, Malaysia
2018 2nd International Conference on Telematics and Future Generation Networks (TAFGEN)	24 Jul - 26 Jul 2018	TBA Malaysia	razakschool.utm.my/icssa2018/	Antenna, Propagation & Radio Frequency, Signal Processing for Communication, Cooperative Communications, MIMO and Relaying, Network and Information Theory, Coding and Modulation, MAC & Cross Layer Design	Malaysia Section VT/COM Joint Chapter Department of Engineering, UTM Razak School of Engineering and Advanced Technology, UTM, Malaysia
2018 2nd International Conference on BioSignal Analysis, Processing and Systems (ICBAPS)	24 Jul - 26 Jul 2018	TBA Malaysia	razakschool.utm.my/icssa2018/	Biosignal Analysis and Processing, Medical Image Processing, BioSensors, Bioinformatics, Neural and Rehabilitation Engineering, Advances in biosignal, Bio-electromagnetic, Brain Computer Interface	Malaysia Section VT/COM Joint Chapter Department of Engineering, UTM Razak School of Engineering and Advanced Technology, UTM, Malaysia
2018 4th International Conference on Computer and Information Sciences (ICCOINS)	13 Aug - 14 Aug 2018	Kuala Lumpur , Malaysia		The aim of this conference is to provide an excellent platform for professionals, engineers, academicians and practitioners worldwide to share and exchange research knowledge and ideas in technologies and applications in the field that relates to information and communication technology and information systems.	Malaysia Section CIS Chapter Universiti Teknologi Petronas
2018 IEEE PES Asia-Pacific Power and Energy Engineering Conference (APPEEC)	07 Oct - 10 Oct 2018	TBD Kota Kinabalu, Malaysia		This highly-regarded conference sponsored by IEEE's Power & Energy Society aims to provide a premier platform for electrical engineers and scientists in universities, research centers and industry to present their works and to share experiences and ideas in the area of power and energy engineering.	IEEE Power & Energy Society Malaysia Section PE Chapter
2018 IEEE-EMBS Conference on Biomedical Engineering and Sciences (IECBES)	03 Dec - 06 Dec 2018	Serdang, Malaysia	www.iecbes.org	The conference will provide excellent platform for knowledge exchange between researchers, scientists, academicians and engineers working in the areas of biomedical engineering. It is open for local and international participants.	IEEE Engineering in Medicine and Biology Society Malaysia Section EMB Chapter