

ICHTMC 2015

2015首届国际临床工程与医疗技术管理大会

The First International Clinical Engineering and Health Technology Management Congress



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2015首届国际临床工程与医疗技术管理大会
The First International Clinical Engineering and Health Technology Management Congress



Theme:

Facilitating Improvement of
Healthcare delivery through deployment of
health technology and innovation

大会主题:

医疗技术创新提升医疗服务

HTMC 2015

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CMD 中国医疗设备

会议主办方 (Sponsor) :

中国生物医学工程学会临床医学工程分会
Chinese Society of Biomedical Engineering Clinical Engineering Branch

国际医学与生物工程联合会临床工程部
The IFMBE/Clinical Engineering Division

会议承办方 (Organizer) :

《中国医疗设备》杂志社
Journal Press of China Medical Devices

会议协办方 (Sponsors and endorsers) :

意大利临床工程学会
the Italian Clinical Engineering Society (AIIC)

美国临床工程学会
American College of Clinical Engineering (ACCE)

中华医学会医学工程分会
Chinese Society of Clinical Engineering, Chinese Medical Association

中国医师协会临床工程师分会
Chinese College of Clinical Engineers, Chinese Medical Doctor Association

2015年10月21-22日 October 21-22

中国·杭州 Hangzhou·China

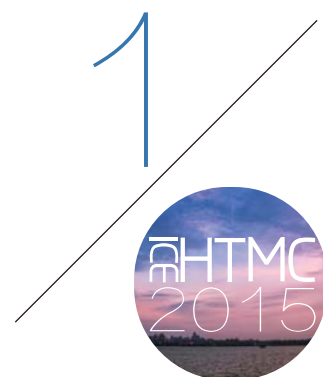
大会主席

周丹，工商管理博士，高级工程师，博士生导师。现任解放军总医院医务部副主任、解放军医学院教务部教务长。担任中国生物医学工程学会临床医学工程分会主任委员、中国医师协会临床工程师分会会长、中国医学装备协会急救医学装备专业委员会主任委员、北京医学会医学工程学分会主任委员、中华医学会医学工程学分会前任主任委员、美国临床工程学会会员。他长期从事临床工程、医院信息化与医学教育的管理工作。主要研究方向包括医疗设备质量管理、医疗技术评估与医院运营管理信息化。他在国内医院中率先提出并建立了医疗设备质量控制体系，成功实施了综合性医院ERP管理，并推动建立起中国临床工程师继续教育与职业认证工作。近年来，发表论文14篇，主持省部级以上科研项目8项，获得省部级以上奖项5项，2014年获得美国临床工程学会（ACCE）颁发的安东尼奥国际临床工程杰出成就奖（Antonio Hernandez International Clinical Engineering Award），是中国首位获得此殊荣的临床工程领域专家。

Dr. Zhou Dan is the vice president of Medical Management Department at the Chinese PLA General Hospital and Provost of PLA Medical College. He also serves as the Chairman of Chinese Society of Biomedical Engineering Clinical Engineering Branch, President of Chinese College of Clinical Engineers, Chinese Medical Doctor Association, Chairman of the Emergency Medical Equipment Professional Committee, China Society of Medical Equipment, Chairman of Beijing Medical Association Clinical Engineering Branch, as well as member of American College of Clinical Engineering. He also was the former chairman of Chinese medical association medical engineering branch. He earned an MBA at the Beijing Institute of Technology and a doctoral degree in Business Administration (DBA) at Southern California University for Professional Studies (SCUPS). He has long been engaged in the management of clinical engineering, hospital information technology and medical education. His main research interests include quality management of medical equipment, medical technology assessment and hospital operations management informationization. He first proposed the establishment of medical equipment quality control system in China, and successfully implemented ERP management of comprehensive hospital. He also promoted the continuing education and professional certification for Chinese clinical engineers. Dr Zhou has published 14 papers, presided 8 research projects, and won 5 research awards. Dr Zhou is the first Chinese clinical engineering expert who received Antonio Hernandez International Clinical Engineering Award from ACCE in 2014.



周丹



大会主席

在过去的30年里, Yadin David博士开发、指导并教授了医疗技术管理项目, 主要涉及医疗器械系统及其网络的风险缓解。他的研究方向主要包括生命周期技术的方法及其对于患者医疗结果的影响, 医疗产品开发和监管的合规流程, 对于医疗器械不良事件的专业领导和调查等。Yadin David博士在美国德克萨斯州最早实现了基于儿科远程医疗的医疗服务。

Yadin David博士是BEC有限责任公司的主要负责人, 该公司主要致力于为医院医疗技术生命周期管理, 远程医疗项目设计, 监管合规性以及法医工程服务的改善, 诉讼和制造业的全球服务支持提供专家意见。他曾长期担任美国最大的医疗中心(德克萨斯州休斯顿)的生物医学工程部门和远程医疗中心的领导人, 拥有西弗吉尼亚大学理学学士、硕士和博士学位, 以及专业工程师许可和临床工程认证, 同时还任教于德克萨斯大学公共卫生学院, 并是墨西哥蒙特雷科技大学医学院的客座教授。Yadin David博士主要从各技术管理学科方面培训生物医学专业人员(包括资源匮乏国家的相关技术人员的国家也设有这些学科), 近年也专注于医院灾难预防与救援方面的培训。

Yadin David博士也是FDA顾问小组成员, 荣获FDA长官特别表彰, 并于2008年获ACCE/AAMI人道主义工程奖, 2011年获终生成就奖, 2013年因其为中国临床工程专业所作的贡献获杰出领导奖。同时他还是世界卫生组织(WHO)和泛美卫生组织(PAHO)的顾问, 以及华盛顿特区远程医疗和电子医疗法律中心(CTeL)的主席。

Yadin David博士是美国临床工程学会的创始人以及首届主席, 并是非营利性医疗技术基金会的名誉主席, 同时还是诸如医疗器械电气安全、医疗数字化数据系统以及电磁干扰等标准编撰的技术指导成员, 已出版了大量论文和论著, 如Getting Started with IEC80001和the Biomedical Engineering Handbook等, 也是Clinical Engineering的编辑。

Yadin David— Over the past30 years, Dr. David has developed, directed and taught healthcare technology management programs focusing on risk mitigation of medical device systems and their networks. Dr. David's expertise includes methodology of life-cycle technology and its impact on patient-care outcomes. In addition, Medical product development and regulatory compliance processes, professional leadership and investigations of medical device adverse events. Dr. David implemented the first pediatric telemedicine-based medical services in Texas, USA.

Dr. David is the principal at Biomedical Engineering Consultants, LLC, a firm providing expertise to improve life-cycle management of healthcare technology, telemedicine program design, regulatory compliance and forensic engineering services for hospitals, litigation and to manufacturing industry service support worldwide. Previously, Dr. David headed the Biomedical Engineering department and the Center for Telehealth at the largest medical center in the US in Houston, Texas. David holds a B.Sc. and M.Sc. and a Doctorate degrees, from West Virginia University. He is licensed professional engineer (P.E.) and certified in clinical engineering (C.C.E.). He holds academic appointment at the University of Texas – School of Public Health and he is also a visiting professor at the Tec de Monterrey school of Medicine in Mexico. Dr. David trains biomedical professionals in various technology management subjects including in resource-poor countries, with recent focus on hospitals disaster preparedness training.

Dr. David serves as Chairman(member) of the FDA advisory panel and is the recipient of the FDA commissioner's special citation as well as of the 2008 ACCE/AAMI Humanitarian Engineering award and of the 2011 Life time achievement award, and the 2013 Distinguish Leadership Award for contributions to the Clinical Engineering profession in China. He has served as adviser to the World Health Organization (WHO), the Pan American Health Organization (PAHO), and as president of the Center for Telemedicine and e-Health Law (CTeL) both in Washington, DC.

He served as the founder and first president of the American College of Clinical Engineering (ACCE) and he is also president emeritus of the nonprofit Healthcare Technology Foundation (www.thehtf.org). Dr. David is a member of technical guidance writing bodies such as Medical Equipment Electrical Safety, Medical Digital Data System, and Electromagnetic Interferences. He has published numerous manuscripts and books including the Getting Started with IEC80001, the *Biomedical Engineering Handbook* and served as the editor of the *Clinical Engineering*.



Yadin David

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大会致辞

Dear Friends and Colleagues:

Key health technology (HT) leaders in Peoples Republic of China (PRC) are planning the First International ICEHTMC in October 2015 in China to identify and address common global healthcare technology issues that are important for both local and global stakeholders. The ICEHTMC approach will incorporate faculty of decision-maker leaders from clinicians, administrators, clinical engineers, and industry. In addition, Clinical engineers (CE) will address the questions of how PRC and other countries can build and or enable the use of proper “smart, digital” hospitals in coming years that improve quality, safety, and care delivery.

2015年10月21-22日，由中国生物医学工程学会临床医学工程分会主办的首届国际临床工程与医疗技术管理大会将在杭州召开，会议旨在解决全球医疗技术普遍存在的问题。这些问题对于中国本土以及全球的相关人士皆至关重要。临床医师、管理者、临床工程师与行业的决策领导将齐聚本届大会。此外，临床工程师还将就中国和其他国家如何在未来创建和/或通过数字化的智慧医院改善医疗水平、安全性和服务这一问题给出解决方案。

As global focus on achieving appropriate delivery of healthcare services facilitated by growth in the healthcare system capacity, especially in the PRC, fuel the expansion of existing and construction of new facilities at rapid rate. Many other countries in the region are also engaged in the building new facilities. This is a key opportunity for PRC & global CEs to help steer these efforts and identify what are the need for education and training in the health technology management (HTM) area.

通过增强医疗体系容量提升医疗服务品质已成为全球共同关注的焦点。尤其在中国，医院扩建和新医院建设正如火如荼。许多国家也纷纷投入到新医院的建设中。对于中国和全球的临床工程师而言，这是一次奋力向前的重大机遇，将使其认识到教育与培训对于医疗技术管理领域的重要意义。

ICEHTM will consist of a series of parallel tracks on a wide range of topics of interest to the medical engineering communities. Topics of interest include, but are not limited to:

本届大会由一系列同步进行的分组会议组成。所有分组会议均围绕医学工程所关注的内容展开。这些内容包括但不限于以下议题：

1. Improving Healthcare delivery with use of health technology and innovation: different possible focus areas including Maternal Child Health (MCH); Chronic Disease Management (CDM); and Health IT (eg. EHR device integration, telehealth, mobile health).



通过医疗技术和创新改善医疗服务（不同的关注领域包括妇幼保健、慢性病管理和医疗信息技术，如电子病历和医疗设备的集成、远程医疗和移动医疗）

2. Starting an HT management (HTM) program in challenging locations: resources and relationships required.

在具有挑战性的地区进行医疗技术管理：所需资源及管理组织框架。

3. Medical device maintenance/support models: once HTM program begun, work with vendors, contracts, optimize internal staff.

医疗设备维修/保养模式：医疗技术管理项目一经启动，和供应商、协议方共同协作，提升内部员工。

4. Benchmarking / using HTM best practices to improve existing HTM programs.

标杆管理/通过医疗技术管理的最佳实践对目前的医疗技术管理项目进行完善。

5. Handling of Single Use Devices, HT Accessories, and HT Supplies.

一次性使用医疗器械、附件、材料的管理

6. Establishing best practice HT Regulation & Risk Management (RM) programs: HT policy, RM, and safety approaches, etc.

创建医疗技术规范与风险管理项目的最佳实践：医疗技术策略、风险管理和安全措施。

7. Medical Device assessment and procurement best practices

医疗设备评估与采购的最佳实践；确保使用重要的技术说明

8. HTM Professional Development, Education, and Training; ensuring access to global HTM resources & best practices.

医疗技术管理专业人员的培养、教育和培训，确保使用全球医疗技术管理资源和最佳实践。

9. HTA; to improve conduct of health technology assessment.





应用HTA来提升对医疗技术的评估

On behalf of the organizing committee, we hereby sincerely invite HT administrators, clinical engineers, clinicians, and manufacturers to join us.

在此，我们谨代表组委会诚挚地欢迎医疗技术管理者、临床工程师、临床医生和产业界的朋友与我们共襄盛举。

周丹 Yadin David





大会组委会: International Program Committee

Dr. Zhou Dan (President of Chinese Society of Biomedical Engineering Clinical Engineering Branch, China)

Dr. Yadin David (IUPESM, USA)

Dr. Tom Judd (ACCE, USA)

Professor Saide Calil (Chairman of IFMBE-CED, Brazil)

Dr. James Wear (USA)

Professor Paolo Lago (Italy)

Dr. Elliot Sloane (President of Center for Healthcare Information Research & Policy, USA)

Dr. Niranjana D. Khambete (Secretary, Biomedical Engineering Society of India, India)

John Robson (Director, Statewide Biomedical Engineering Service, Australia)

Dr. Umimoto (Japan)

Mr. Azman Hamid (Managing Director, Next Level Technologies, Malaysia)

Dr. Cari Borrás (Chairperson, Health Technology Task Group, International Union for Physical and Engineering Sciences in Medicine, IUPESM)

J. Tobey Clark (President, Health Technology Foundation, USA)

特邀嘉宾: Special Presenter

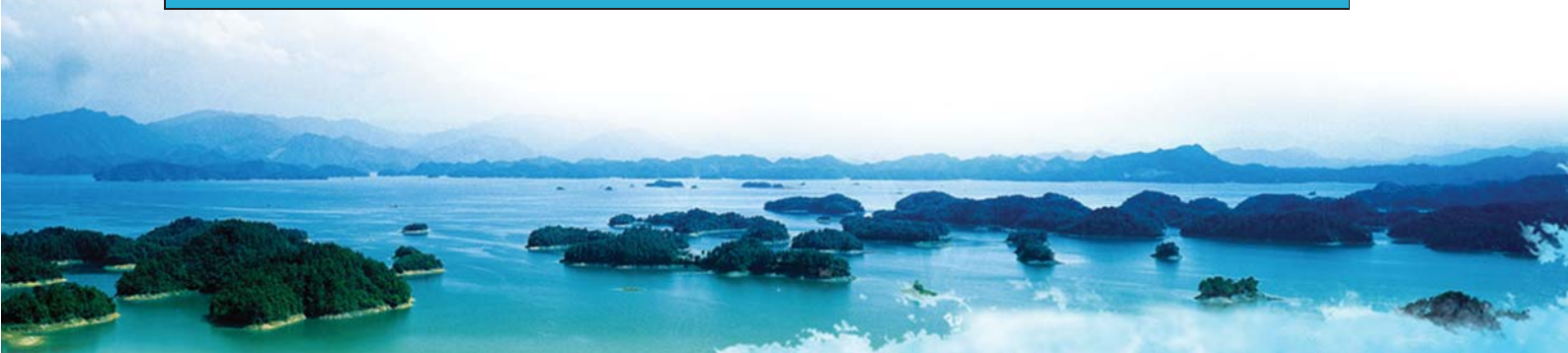
Dr. Adriana Berumen Velazquez (World Health Organization, WHO)

Preliminary Program of ICEHTMC2015 初步日程

Oct 20th : Registration and Presentation Uploading

10月20日：注册与演示文稿上传

Oct 21 st 10月21日	
Opening of ICEHTMC 2015 Welcome Address 开幕式	09:00-09:30
Plenary Session: Theme: Facilitating Improvement of Healthcare delivery through deployment of health technology and innovation 全体大会: 主题: 医疗技术创新提升医疗服务	09:30-12:00 12:00-13:30
Lunch 午餐	12:00-13:30
Scientific Session 1: 分论坛1 Theme: Starting an HT management (HTM) program in challenging locations 在具有挑战性的地区进行医疗技术管理	13:30-16:00
Scientific Session 2: Theme: Establishing best practice in HT Regulation, Risk Management (RM), and disaster preparedness programs 分论坛2 创建医疗技术规范、风险管理, 以及灾难防备项目的最佳实践	13:30-16:00
Scientific Session 3: Theme: Medical Device assessment and procurement best practices 分论坛3 医疗设备评估与采购的最佳实践	13:30-16:00
Abstract Oral Presentation Panel discussion about Day 1 of the Congress 论文报告 第一天会议讨论与总结	16:20-18:00
Banquet 晚宴	18:30-20:00
Oct 22 nd 10月22日	
Scientific Session 1: Theme: HTM Professional Development, Education, Certification, and Training 分论坛1 医疗技术管理专家的培养、教育、认证与培训	09:00-12:00
Scientific Session 2: Theme: Medical device maintenance/support models 分论坛2 医疗设备维修/保养模式	09:00-12:00
Panel Discussion Panel discussion among key leaders identifying and addressing global issues in CE and HTM 核心成员小组讨论会 全球临床工程与医疗技术管理问题	10:00-12:00
Hangzhou Tourism 杭州市旅游景点参观	



AHTMC 2015

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