

2011 2nd International Conference on Biomedical Engineering and Computer Science (ICBECS2011)

2011 第二届 IEEE 生物医学工程与计算机科学国际会议 (ICBECS2011)

2011 年4月23-24日—中国 武汉

23-24 April, 2011 Wuhan, China

<http://www.icbecs.org/>

The 2nd International Conference on Biomedical Engineering and Computer Science (ICBECS 2011) will be held from April 23th to 24th, 2011 in Wuhan, China, which will bring together top researchers from Asian Pacific areas, North America, Europe and around the world to exchange research results and address open issues in all aspects of biomedical engineering, bioinformatics and computer science. ***The proceedings of ICBECS2011 will be published by IEEE Press; all accepted papers in ICBECS2011 will be included in IEEE Xplore and indexed by Ei Compendex and ISTP.*** The best papers presented at the conference will be selected for publications in some International Journals which are indexed by SCI or EI.

Topics of interest for submission include, but are not limited to:

1. BioMedical Engineering and Bioinformatics/生物医学工程和生物信息学

NMR/CT/ECG technology and Radiology/ 核磁共振/ CT /心电图技术和放射学

Biomedical imaging, image quality assessment, image processing, and visualization/ 生物医学成像, 图像质量评价, 图像处理 and 可视化

Optical techniques and Lasers in Biomedical sciences/ 光学和激光技术在生物医学科学的应用

Biomedical signal processing and analysis/ 生物医学信号处理和分析;

Biomedical data management (storage, compression, retrieval, transmission)/ 生物医学数据管理

Bioinformatics and computational biology/生物信息学和计算生物学

Biomedical data acquisition, integration, normalization, analysis, mining and visualization/ 生物医学数据获取, 整合, 归一化分析, 挖掘和可视化

Algorithms, models, software, tools in Bioinformatics and biomedical/ 生物信息学和生物医学中的算法, 模型, 软件和工具

computer aided diagnosis/ 计算机辅助诊断

Biomedical modeling/ 生物医学建模

Clinical Technologies and Systems/ 临床技术和系统

Electronic Medical Record/ 电子病历

Hospital information management system/ 医院管理信息系统 HIS

Healthcare Information Systems, Telemedicine/ 医疗信息系统,远程医疗

telemedicine systems and their applications/ 远程医疗系统及其应用

Health monitoring systems and wearable system/ 健康监测系统和可穿戴式系统

Therapeutic and Diagnostic Systems/ 治疗和诊断系统

Protein ,Gene engineering and science/ 蛋白质,基因工程和科学

Standards and ontology in biomedical informatics/ 生物医学信息标准和本体

Synergy between bioinformatics and medical informatics/ 生物信息学和医学信息协同

Biomedical instrumentation, devices, sensors, artificial organs, and nano technologies/ 生物医学仪器, 设备, 传感器, 人工器官, 和纳米技术

Rehabilitation engineering/ 康复工程

Biomedical education/ 医学教育

Biologically-inspired algorithm, agents and software/ 仿生算法, 智能体和软件
Application of Systems Science in biomedicine/ 系统科学在生物医学中的应用
Applications of operations research and management science in medicine and health care/ 医学和保健中运筹学的应用
Biomedicine in industry and society/ 生物医药产业和社会
Any novel approaches to biomedical engineering and bioinformatics problems/ 其他相关的生物信息学和生物工程的新方法

2. Computer Science/ 计算科学

Intelligent Transportation/ 智能交通
Database Systems/ 数据库系统
Network Security/ 网络安全
Software Engineering/ 软件工程
Network Engineering / 网络工程
Computer Architecture/ 计算机系统结构
Distributed Systems/ 分布式系统
Computer Graphics and Animation/ 计算机图形学和动画
Artificial Intelligence, Machine Learning and Data Mining/ 人工智能, 机器学习和数据挖掘
Image and Signal Processing/ 图像和信号处理
Design and Analysis of Computer Algorithms / 计算机算法设计与分析
Computer Modeling and Simulation/ 计算机建模与仿真
Pattern Recognition and Computer Vision/ 模式识别和机器视觉
Neural Network/ 神经网络
Artificial Immune System / 人工免疫系统
Application of Bionics/ 仿生学应用
Computer Education/ 计算机教育

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The Secretary of ICBECS 2011

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