

# 2011农业工程新技术国际学术会议

2011年5月27日至29日，中国，淄博

ICAE2011 May 27~29, 2011, Zibo, China

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2011农业工程新技术国际学术会议将于2011年5月27日在中国淄博召开。会议由中国农业工程学会主办，《国际农业与生物工程学报》(IJABE)、国际农业与生物系统工程学会会刊(CIGR Ejournal)、海外华人农业、生物与食品工程师协会(AOCABFE)、山东农业机械学会和美国科研出版社(SRP)合作协办，会议论文集将由美国科研出版社出版。文章主体中文或英文均可，且都能被ISTP/EI检索，但所有论文必须有英文题目、英文摘要和英文参考文献。

The Conference on New Technology of Agricultural Engineering (ICAE2011) will be held from May 27~29, 2011 in Zibo, China. This conference is sponsored by Chinese Society of Agricultural Engineering, co-sponsored by International Journal of Agricultural and Biological Engineering(IJABE), Agricultural Engineering International: CIGR Ejournal, Association of Overseas Chinese Agricultural, Biological and Food Engineers (AOCABFE), Shandong agricultural machinery society and Scientific Research Publishing. The conference proceedings will be published by Scientific Research Publishing. All papers accepted will be indexed by ISTP/EI

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专题讲座：国际英文期刊科技学术论文的撰写与发表（Workshop on Writing and Publishing Good Papers in International English Journals），[详情请点击](#)

主题（Topics）：

**A 农业工程新技术、新进展**

A1 保护性耕作技术及机具研究

A2 变量施肥及精确喷药技术

A3 复式中耕作业及除草机械

A4 联合收获机减振、优化、可靠性及智能化设计技术

A5 经济类作物联合收获技术与机具

A6 林果采集、秸秆收集及高效生态化利用新技术

A7 设施农业控制、高产新技术

**B. 支撑低碳农业及可持续发展的农业工程新技术**

B1 农业土壤有机碳库组分、有机碳的稳定性与农田生产力

B2 循环型农业工程技术

B3 节水灌溉及农业节能减排新技术

B4 提高农业装备作业效率的技术、措施及模式

B5 生态农业、绿色农业、有机农业、观光农业等新模式

**D 农产品加工新技术及食品/农产品品质分析/安全检测新技术**

D1 色谱技术在食品、农产品检测分析中的应用

D2 质谱技术在食品、农产品检测分析中的应用

D3 光谱技术在食品、农产品检测分析中的应用

A8 种子清选、加工、干燥、贮藏新技术

A9 生物系统虚拟建模与可视化仿真研究

A10 农业装备虚拟样机、虚拟试验及可靠性设计方法

A11 生物芯片、生物传感器和生物仪器的智能设计

A12 精准农业技术、装备与仪器

A13 大中型拖拉机及配套机具的设计、制造及运用

A14 汽车、发动机和农业装备中的节能及智能计算

**C. 太阳能、风能、生物质能利用新技术**

C1 太阳能建筑、温室及光伏发电技术

C2 风光互补发电系统及风能独立发电系统

C3 大型风力发电机设计、控制及并网技术

C4 生物质能利用新技术（秸秆、能源作物、林木、

海藻等生物质能源转化应用原理与技术）

D4 食品、农产品的生物检测方法

D5 食品、农产品快速检测技术及可追溯系统的研究与应用

D6 农产品加工新技术

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**PROGRAM TOPICS :**

**A. Agricultural Engineering New Technology and New Progress**

A1 Conservation tillage technology and machines research

A2 Variable rate fertilization and spraying technology

A3 Recombination intertillage and weeding machinery

A9 Biological systems computational methods and intelligence in modelling and visualization simulation research

A10 Agricultural equipment virtual prototyping, virtual test and reliability design method



A4 The damping, optimizing, reliability and intellectualization design technique for combine harvester  
A5 Economic crop harvesting technology and Machinery  
A6 Straw bale-silagerer and efficient utilization new technology  
A7 Facility Agriculture control and high production new technology  
A8 Seed Cleaning and Upgrading, processing, drying and store new technology

**B. Support for low carbon agriculture and sustainable development of the new technologies of agricultural engineering**

B1 Agricultural soil organic carbon compounds, organic carbon in stability and farmland productivity  
B2 Circular agricultural engineering technology  
B3 Irrigation and agriculture, energy saving and new technology  
B4 Improve the efficiency of agricultural equipment technology, measures and mode  
B5 Ecological agriculture, green farming and organic agriculture, agri-tourism and other new mode

**D. The new technology in agricultural products processing and the quality analysis/ detection technology for food / agricultural products**

D1 The application of HPLC in food/ agricultural products' detection and analysis  
D2 The application of mass spectrometry in food/ agricultural products' detection and analysis  
D3 The application of spectral analysis technology in food/ agricultural products' detection and analysis

A11 Intelligent design of biochips, bioinstrumentations

A12 Precision farming technologies, equipment and instruments

A13 Large and medium-sized tractor and machinery in the design, manufacture and application

A14 Energy saving techniques and intelligent methods in developing vehicles, engines and agricultural equipments

**C. The new technology in utilization of clean and renewable energy resources, including solar, winder power and biomass**

C1 The techniques for sustainable and solar building , greenhouse Photo-Voltage Generation

C2 Wind/PV hybrid system and wind power generation system

C3 Design, control and network connecting technology of big-scale wind turbine

C4 Biomass energy utilization new technology (Principle and application for biomass bioconversion technology of stalk, energy crop, forest and seaweed bio-energy,etc..)

D4 The application of bio-detection technology in food/ agricultural products

D5 The application of rapid detection technology and traceable system in food/ agricultural products

D6 The new technology in agricultural products processing

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[会议新闻 \(news\)](#)

2011ICAE & AENT会议指南

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2011ICAE & AENT旅游指南

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山东理工大学  
SHANDONG UNIVERSITY OF TECHNOLOGY

