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VENTILATIVE COOLING
3RD EXPERT MEETING

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**可持续城市与建筑发展国际学术研讨会
暨第三届中国国际通风冷却项目专家会议**

INTERNATIONAL SYMPOSIUM OF SUSTAINABLE CITY AND BUILT ENVIRONMENT
& IEA-EBC ANNEX 62 VENTILATIVE COOLING 3RD EXPERT MEETING
中国/长沙 CHANGSHA/CHINA 2015/4/17-18

宣传手册



可持续城市与建筑发展国际学术研讨会 暨第三届国际通风冷却项目专家会议

批准单位：中华人民共和国教育部

支持单位：长沙市发展和改革委员会

长沙市财政局

湖南省建设科技与建筑节能协会

湖南省建设新技术推广中心

湖南省土木建筑学会

主办单位：湖南大学

承办单位：国家级建筑安全与环境国际联合研究中心

湖南大学建筑节能与绿色建筑研究中心

执行承办：长沙市瑞利网轩文化传播有限公司

学术委员会：

主席：肖岩 Per Heiselberg 曾光明

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Peter Holzer Maria Koloktoli 李念平 刘宏成 柳肃 刘云国 Paul Osullivan Lorenzo

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地点：湖南省长沙市岳麓区枫林宾馆

INTERNATIONAL SYMPOSIUM OF SUSTAINABLE CITY AND BUILDING ENVIRONMENT AND IEA-EBC ANNEX 62 VENTILATIVE COOLING 3RD EXPERT MEETING

Approved by:Ministry of Education of the People's Republic of China

Supported by:Changsha Municipal Development and Reform Commission

Changsha Municipal Finance Bureau

Hunan Construction Technology and Building Energy Conservation Association

Construction of the New Technology Promotion Center in Hunan province

Hunan Institute of Civil Engineering

Sponsored by:Hunan University

Organized by:State International Joint Research Center of Building Safety and Environment

Research Center of Energy-efficient Construction and Green Buildings, Hunan University

Executed by:Ruili Wangxuan Culture Communication limited company. Changsha

Scientific Committee:

Chairmen: Xiao Yan, Per Heiselberg,Zeng Guangming

Members:Annamaria Belleri, Chen Youmin, Flourentzos Flourentzou, Peter Holzer, Maria Koloktoli, Li Nianping, Liu Hongcheng, Liu Su, Liu Yunguo, Paul Osullivan, Lorenzo Pagliano, Shi Caijun, Shi Zhou, Wei Chunyu, Xiao Yan, Xu Feng, Xu Bin, Yi Weijian, Zhang Guoqiang, Zhao Minghua

Organizing Committee:

Chairmen:Zhang Guoqiang, Wei Chunyu

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Secretariat:Liu Jie, Wang Mengyun, Cheng Xiyu, Xiao Yang, Liu Yang, Zhang Dingxuehua, Li Jun

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Date:April 17-18, 2015

Venue:Fenglin Hotel, Yuelu District, Changsha, Hunan 410082, China

1. 简介

城市和建筑的可持续发展是国家可持续发展和节能减排的重要内容。理论研究、实践应用和教育推广是城市和建筑可持续发展过程中相互关联的主要环节。欧美国家在该领域已经形成了相对完整的体系，而我国在不同地区和不同领域也进行了有益的探索，取得了一系列成果，包括不同专业领域的可持续发展理论和教育体系，如不同气候带的绿色节能建筑体系，城市可持续规划方法，可持续规划和绿色建筑的教育体系等；也包括不同地区和建筑类型的成功工程实践，如上海世博会的场馆建设，西部地区的生态民居实践以及全国各地的绿色建筑和可再生能源示范工程中的优秀项目等。

2007年国家发展改革委批准长株潭城市群为全国“两型社会”改革试验区，对试验区的可持续城乡规划和建筑发展提出了更高的要求。从2008年开始，试验区在长沙湘江新城梅溪湖、洋湖垸、武广新城、株洲云龙新区、湘潭昭山示范区等示范点进行了可持续城市与建筑的一系列实践。2011年，长沙市（长株潭城市群）获批为财政部和国家发展改革委首批“节能减排财政政策综合示范城市”，为试验区的可持续规划和建筑的发展提出了更高的要求，也提供了快速发展的契机。为此，加强国内外的学术和技术交流，对于长株潭城市群的可持续城市和建筑发展具有重要意义。

湖南大学从2001年主持召开“第四届室内空气质量、通风与建筑节能国际学术会议”和2004年获得欧盟资助的Asia-link项目“跨学科的可持续建筑教育课程和体系”以来，逐步形成了可持续城市和建筑教学研究团队和国际合作网络。作为国家“节能减排财政政策综合示范城市”建设项目的组成部分，湖南大学和财政部财政科学研究所负责承担了财政部和国家发展改革委批准的能力建设项目“节能减排评价与推广平台”。按照项目规划，结合湖南大学承担的科技部国际合作项目和国际能源机构IEA Annex62项目，我们在长沙组织召开可持续城市与建筑发展国际学术研讨会暨第三届国际通风冷却项目专家会议，邀请国内外知名专家莅临会议，为我国和长株潭城市群的城市和建筑可持续发展的理论、实践和教育推广提供一个良好的交流平台。

1. Brief Introduction

The sustainable development of cities and buildings constitutes an important part of the sustainable development and energy conservation and emission reduction of China. Related theoretical research, practical application, education and popularization are major interrelated links in the sustainable development of cities and buildings. Relatively complete systems have taken shape in European and American countries, and fruitful explorations have been conducted and a series of results have been achieved in a number of localities and research areas in China. These include the theoretical and educational systems of sustainable development in various research areas, such as green and energy-efficient building systems in different climate zones, the sustainable planning of cities and the educational system for sustainable planning and green buildings. These also include successful examples of practical engineering projects for different building types in different regions, such as the construction of the exhibition halls and facilities of Shanghai Expo, the building of ecological houses in West China and outstanding projects of green buildings and renewable energy demonstration projects all over China.

In 2007, the Changsha-Zhuzhou-Xiangtan City Group was approved by the State Commission of Development and Reform as a national-level pilot zone of the “Two-oriented Societies” in the country, and higher standards were set for the sustainable urban and rural planning as well as building development in this zone. Since 2008, a series of sustainable city and building projects have been constructed in demo areas like Changsha’s My City Lake New City, Yanghuyuan, Wuguang New City, Zhuzhou’s Yunlong New District and Xiangtan’s Zhaoshan District. In 2011, with the approval of the Ministry of Finance and the State Commission of Development and Reform, Changsha City (the Changsha-Zhuzhou-Xiangtan City group) became one of their first group of “Comprehensive Demo Cities under Financial Policies for Energy Conservation and Emission Reduction” with higher demands for its sustainable planning and building development and good opportunities for its rapid development. Against this background, the strengthening of academic and technical exchanges among experts from home and abroad is of great significance to the development of sustainable city and buildings of the Changsha-Zhuzhou-Xiangtan City Group.

Since 2001 when Hunan University sponsored “The 4th International Conference on Interior Air Quality, Ventilating and Energy Conservation Building (IAQVEC) and 2004 when the university won the EU-funded Asia-link Project “Interdisciplinary Sustainable Architecture Educational Curriculum and System”, we have gradually formed an educational and research team and an international cooperation network for sustainable city and buildings. Hunan University and the Institute of Financial Science under the Ministry of Finance have jointly undertaken “Evaluation and Popularization Platform for Energy Conservation and Emission Reduction”, a capacity building project approved by the Ministry of Finance and the State Commission of Development and Reform as a component of the project “Comprehensive Demo Cities under Financial Policies for Energy Conservation and Emission Reduction”. It is in line with the planning of this project together with our international cooperative projects approved by the Ministry of Science and Technology and the International Energy Agency’s IEA Annex62 Project that we have decided to host this INTERNATIONAL SYMPOSIUM OF SUSTAINABLE CITY AND BUILDING ENVIRONMENT AND IEA-EBC ANNEX 62 VENTILATIVE COOLING 3RD EXPERT MEETING.

We hereby offer our invitation to prominent experts from home and aboard to this symposium for the purpose of providing a good platform of exchanges for the theory, practice, education and popularization of the sustainable development of cites and buildings in the Changsha-Zhuzhou-Xiangtan City Group in particular, and in all of China in general.

2. 议题

- 可持续城乡规划与建设理论
- 可持续城市绿色基础设施实践
- 绿色园区与绿色建筑实践
- 可持续教育理论与实践

2. Themes

- Theories of sustainable urban and rural planning and construction
- Practice of sustainable cities' green infrastructures
- Practice of green zone and green buildings
- Theories and practice of sustainable education

3. 会务费

一般代表会务费人民币800元（在会议上支付现金，含资料费、会议期间餐费。住宿费自理，由会议统一安排宾馆）；与会学生会务费人民币400元（待遇与一般代表同）。

3. Fees

RMB 800 per person for experts (to be paid in cash upon arrival, covering symposium materials and meals; hotel room expenses not included, but hotel rooms to be reserved by the organizer); RMB 400 per person for student participants (others same as above).

会议日程（拟）

- 2015.4.15
第三届国际通风冷却项目专家会议
- 2015.4.16
第三届国际通风冷却项目专家会议
- 2015.4.16下午
会议代表注册及签到
- 2015.4.17上午
可持续城市与建筑发展国际学术研讨会开幕式（主持：肖岩）
- 1、大会概况介绍
 - 2、领导致辞

主题演讲（主持：张国强 魏春雨）

- 1、吴硕贤 华南理工大学 教授 中国科学院院士
主题：亚热带建筑节能和可持续-亚热带国家重点实验室介绍
- 2、吴志强 同济大学 教授 副校长
主题：永续城市-同济大学高密度区域智能城镇化协同创新中心介绍
- 3、Per Kvols Heiselberg 丹麦Aalborg大学 教授 主任
主题：零能耗建筑
- 4、仲德崑 深圳大学 教授 院长
主题：建筑学专业学科及可持续教育
- 5、彭震伟 同济大学 教授 院党委书记
主题：城市规划专业教育与评估
- 6、彭仲仁 美国Florida大学城市与区域规划系教授 上海交通大学 长江学者特聘教授
主题：美国公路交通节能减排的政策和规范及其对中国的启示
- 7、张国强 湖南大学 教授 主任
主题：节能减排评价和推广平台项目-湖南大学建筑节能与绿色建筑中心介绍

合影,午餐

2015.4.17下午

第一分会场：

- 议题1：可持续城乡规划与建设理论（主持：张悦 焦胜）
- 1、张悦 清华大学 教授 副院长
主题：清华大学低碳城乡规划的教学与科研工作进展
 - 2、Maria Kolokotroni 英国Brunel大学 教授 主任
主题：低碳城市
 - 3、陈汉云 香港理工大学 教授
主题：紧凑城市-香港高密度下的可持续城市发展
 - 4、李玉国 香港大学 教授 系主任
主题：城市通风与规划
 - 5、栾峰 同济大学 教授 院长助理
主题：乡村的可持续发展
 - 6、汤放华 湖南城市学院 教授 副校长
主题：城市生态地区可持续发展的规划路径与对策
 - 7、周安伟 教授 外交部边境海洋司副司长 海南省旅游发展委员会总规划师
主题：旅游景区碳排放因素及减排机制分析
 - 8、焦胜 湖南大学 博士 副院长
主题：湖南大学生态城市教学与科研工作进展

Tentative Schedule

April 15, 2015

IEA-EBC Annex 62 Ventilative Cooling 3RD Expert Meeting

April 16, 2015

IEA-EBC Annex 62 Ventilative Cooling 3RD Expert Meeting

April 16, 2015

Afternoon: Registration of participants

April 17, 2015

Morning: Opening Ceremony of International Symposium of Sustainable City and Built Environment

- 1.Introduction to the symposium
- 2.Addresses by officials

Keynote Speeches（30 minutes per person）

Host: Zhang Guoqiang, Wei Chunyu

- 1.Wu Shuoxian, professor of South China University of Technology and member of the Chinese Academy of Sciences
Topic: Energy Conservation and Sustainability of Buildings in the Sub-tropical Zone: Introduction to the Sub-tropical State Key Laboratory
- 2.Wu Zhiqiang, professor and vice president of Tongji University
Topic: Sustainability of Cities: Introduction to China Interlligent Urbanization Co-creation Center for High Density Region Tongji University
- 3.Per Kvols Heiselberg, professor and director of Aalborg University
Topic:Zero Energy Consumption Buildings
- 4.Zhong Dekun, professor and dean of Shenzhen University
Topic:Architectural Discipline and Sustainable Education
- 5.Peng Zhenwei, professor of Tongji University
Topic: Urban Planning Discipline and Sustainable Education
- 6.Peng Zhongren, professor of the Department of Urban and Regional Planning at the University of Florida, Cheung Kong Scholars Professor at Shanghai Jiao Tong University
Topic: The policies and practices of American highway transportation energy-saving emission reduction and the enlightenment to China
- 7.Zhang Guoqiang, professor and director of Hunan University
Topic: Project of the Evaluation and Popularization Platform for Energy Conservation and Emission Reduction: Introduction to Center of Built Energy Conservation and Green Buildings, Hunan University

Photograph, Lunch

April 17, 2015 Afternoon:

The First Venue:

Theme 1: Theory of Sustainable Urban and Rural Planning and Construction

Host: Zhang Yue, Jiao Sheng

- 1.Zhang Yue, professor and vice dean of Tsinghua University
Topic:Progress of Education and Research on Low-carbon Urban and Rural Planning in Tsinghua University
- 2.Professor and director of Brunel University
Topic:Low-carbon Cities
- 3.Chen Hanyun, professor of Hong Kong Polytechnic University
Topic: Compact city-sustainable development under the high density of Hongkong city
- 4.Li Yuguo, professor and department chair of the University of Hong Kong
Topic:Urban Ventilation and Planning
- 5.Luan Feng, professor and assistant to the dean of Tongji University
Topic: The sustainable development of rural areas
- 6.Tang Fanghua, Professor and vice dean of Hunan City University
Topic: Path planning and countermeasures of sustainable development in city ecological area
- 7.Zhou Anwei, professor, deputy director-general of the Department of Border and Maritime Affairs of the Ministry of Foreign Affairs and chief planner of Hainan Provincial Tourism Development Committee
Topic: Factors of Carbon Emission and Analysis of Emission Reduction Mechanism in Tourist Areas
- 8.Jiao Sheng, doctor and vice dean of Hunan University
Topic: Progress of Education and Research on Ecological Cities in Hunan University

议题2：可持续城市绿色基础设施实践（主持：谭洪卫 俞准）

- 1、杨洪兴 香港理工大学教授 所长
主题：太阳能光伏建筑一体化技术和应用的新进展
- 2、史才军 湖南大学教授 千人计划学者
主题：绿色高性能水泥混凝土在城市和建筑可持续发展中的作用
- 3、谭洪卫 同济大学教授 常务副主任
主题：城市化进程中的建筑能源与环境可持续发展的探讨
- 4、侯学钢 中国城市规划协会管理专业委员会副主任兼秘书长
主题：城市设计与可持续发展
- 5、沈清基 同济大学 教授
主题：城市发展过程中非可持续因素分析
- 6、张云峰 湖南省建设新技术推广中心博士
主题：湖南省建筑能耗监管工作进展
- 7、俞 准 湖南大学 博士
主题：区域能源与蓄能

第二分会场：

议题3：绿色园区与绿色建筑实践（主持：肖毅强 陈翠）

- 1、肖 岩 湖南大学教授 长江学者 院长
主题：绿色建材和结构
- 2、杨旭东 清华大学教授 长江学者
主题：绿色村镇及可持续能源模式
- 3、王 怡 西安建筑科技大学教授 国家杰出青年基金获得者
主题：绿色工业建筑设计的探索
- 4、Flourentzos Flourentzou 瑞士Estia工作室博士
主题：瑞士的绿色建筑实践
- 5、肖毅强 华南理工大学 教授 副院长
主题：可持续设计的地域性策略思考
- 6、王伟强 同济大学 教授
主题：基于低碳城市目标的住区模式分析与评价研究
- 7、余跃滨 美国Nebraska大学助理教授
主题：IT技术与建筑节能
- 8、殷昆仑 湖南省建筑设计院副总建筑师 教授级高级建筑师 国家一级注册建筑师
主题：湖南省绿色建筑发展综述
- 9、陈 翠 湖南大学 博士
主题：绿色建筑通风

议题4：可持续教育理论与实践（主持：何理 徐峰）

- 1、何 理 华北电力大学
主题：环境可持续发展教育
- 2、夏 青 天津大学教授
主题：天津大学可持续城乡规划教育
- 3、袁奇峰 中山大学教授
主题：中山大学的可持续城乡规划教育
- 4、徐 峰 湖南大学 教授 副院长
主题：湖南大学可持续建筑教育

2015.4.18上午

湘江新城建筑工地现场考察，以及长沙生态城（梅溪湖）建设考察与测评。

Theme 2: Practice of Sustainable Cities' Green Infrastructures

Host: Tan Hongwei, Yu Zhun

- 1.Yang Hongxing, professor of Hong Kong Polytechnic University
Topic: New Development in the Technology and Application of Solar PV Building Integration
- 2.Shi Caijun , professor of Hunan University, Global Experts of Chinese Recruitment Program
Topic: The Effect of Green High Performance Concrete in the Sustainable Development of City and Architecture
- 3.Tan Hongwei, professor and executive deputy director of Tongji University
Topic: Discussion on the Building Energy and Environment Sustainable Development in the Process of City
- 4.Hou Xuegang, Deputy Director and General Secretary of Planning and Management Committee in Chinese City Planning Association
Topic: Urban Design and Sustainable Development
- 5.Shen Qingji, professor of Tongji University
Topic: Analysis of the Non-sustainable Factors in the Process of City Development
- 6.Zhang Yunfeng, doctor of the Construction of the New Technology Promotion Center in Hunan province
Topic: Progress of the supervision of building energy consumption in Hunan Province
- 7.Yu Zhun, PhD, Hunan University
Topic: Regional Energy and Storage

The Second Venue:

Theme 3: Practice of Green Zone and Green Buildings

Host: Xiao Yiqiang, Chen Hui

1. Xiao Yan, professor, Cheongkong chair professor and dean of Hunan University
Topic: Green Building Materials and Structures
- 2.Yang Xudong, professor and Cheongkong chair professor of Tsinghua University
Topic: Green Villages and Towns and Modes of Sustainable Energy
- 3.Wang Yi, professor of Xi'an University and winner of National Science Foundation for Distinguished Youths
Topic: Exploration of Green Industrial Building Design
- 4.Flourentzos Flolunzuo, doctor of Swiss Estia Studio
Topic: Practice of Green Buildings in Switzerland
- 5.Xiao Yiqiang, professor and vice dean of South China University of Technology
Topic: Thoughts on the Regional Strategies of Sustainable Design
- 6.Wang Weiqiang, professor of Tongji University
Topic: Residential Mode Analysis and Evaluation Based on Low Carbon City Target
- 7.Yu Yuebin, Assistant Professor in the Durham School of Architectural Engineering and Construction at University of Nebraska-Lincoln
Topic: IT Technology and Building Energy Conservation
- 8.Yin Kunlun, Professor, National Registered Architect, Deputy General Architect of Hunan Provincial Institute of Architectural Design
Topic: Review of the Development of Green Buildings in Hunan Province
- 9.Chen Hui, PhD, Hunan University
Topic: Ventilation of Green Buildings

Theme 4: Theories and Practice of Sustainable Education

Host: He Li, Xu Feng

- 1.He Li, North China Electric Power University
Topic: Sustainable Environment Education
- 2.Xia Qing, professor of Tianjin University
Topic: Sustainable Urban and Rural Planning Education in Tianjin University
- 3.Yuan Qifeng, professor of Sun Yat-sen University
Topic: Sustainable Urban and Rural Planning Education in Sun Yat-sen University
- 4.Xu Feng, professor and vice dean of Hunan University
Topic: Sustainable Architecture Education in Hunan University

April 18, 2015 Morning:

Fact-finding tour of construction sites in My City Lake New City , Investigation and assessment of Changsha Ecological City

