

# 哈尔滨工业大学建筑学院建筑学专业2013&2014届学生毕业设计选集

Graduation Design of Architecture in 2013&2014, School of Architecture, HIT

哈尔滨工业大学建筑学院建筑学专业毕业设计教研组 编著 孙澄 主审



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### 前言

毕业设计是学生走向社会参与实践前的最后一课,它是综合性与实践性并重的教学内容。毕业设计的教学目标是全面提高学生的专业综合能力。它不但要求学生能够创新地提出设计思路,而且能够综合运用所学的基本理论、基本知识和基本技能解决设计中所涉及的技术、经济、社会等实际问题。毕业设计成果是学生毕业及学位资格认证的重要依据,也是体现 5 年学业水准的最佳载体。完成一份优秀的毕业设计作品理应成为每一名毕业生的基本追求,从而为本科阶段的学习画上一个美妙的休止符。

国外高水平建筑专业的毕业设计不但时间更长,而且学校和学生对它的重视程度也最高,既把毕业设计作品视为本科阶段最重要的一项成果,又非常注重通过学习过程来提高学生的专业能力。对比来看,国内的毕业设计在过程和成果两方面都存在一定的差距。这其中的客观原因是一方面由于我们的毕业设计时间比国外多数建筑院校少了一半;另一方面是在毕业设计期间学生还要忙于找工作、考研、出国等诸多个人事务。然而,我们很多优秀的作业成果说明这些因素并不是降低毕业设计水准的主因。影响毕业设计水准的最主要原因在于:一是很多同学对毕业设计不够重视,学习过程拖沓,设计成果当然不会理想;二是学习目标把握不好,尤其是过于标新立异,以至于设计思想脱离现实,无法达到结合实践训练的要求;三是忽视创意,偏重制图,认为毕业设计只要达到建筑扩初图的深度就可以了。这三类设计倾向都是不符合当前建筑学专业发展趋势的。

本书展示了哈尔滨工业大学建筑学专业 2013 年和 2014 年 40 余位同学的优秀毕业设计作品。这两届毕业设计不仅与国内外优秀建筑院校进行联合教学,为学生提供更广泛的对外交流机会,每组题目各具特色,而且学生可根据个人喜好自由选组。毕业设计能帮助学生检验本科阶段专业课学习成果,并在指导教师的帮助下对自身不足进行补救。从作业成果来看,无论设计本身还是最终成果表达的完整性都有所提升,好多学生借此机会学习了其他建筑类辅助软件进行相关分析,有意识地综合考虑建筑设计中的问题。在师生的共同努力下,这两年毕业设计取得了较好的成果,在国内外毕业设计优秀作业竞赛中共获得近 30 项奖项。

当然,这其中也有一部分学生作品并不完美,甚至还存在比较明显的问题,但是作为老师,我们都希望这些问题能给予在校同学一定的提示和注意。希望各位建筑学专业的同学能够明确毕业设计的定位与要求,建立正确的学习目标,能更好地完成这一学习过程。

本书的出版是抛砖引玉,希望未来的毕业设计作品集一年比一年更优秀。

哈尔滨工业大学建筑学院 院长

#### **Foreword**

Graduation design is the last class for students to participate in before the social participation practice, and it pays equal attention to comprehensive and practical teaching process. The teaching goal is not only to put forward innovative design ideas, but also to improve students' using of professional ability comprehensively, and requirements to the integrated use of what they have learned in the basic theory, basic knowledge and basic skills to solve the technological, economic and social practical problems that involved in the design. Graduation design achievement is the important basis for the graduation and degree certification, and it is the best carrier to reflect the highest level for the five years' studies. To complete a good graduation design work should be a basic pursuit for each graduate student, thus for painting undergraduate study a wonderful rest.

The graduation design of foreign high–level architecture education is not only longer than domestic designs, but also pays the highest attention from the school to the student. The graduation design is one of the most important achievements for undergraduates, and it also needs much attention through the learning process to improve the professional ability for students. By contrast, the domestic design has a certain gap in the process and results. The reasons for these gaps are: We have less time than most of the foreign architectural schools; there are students having to deal with looking for a job, going abroad and many other personal affairs during the graduation design. However, we have many excellent graduation results to show that these objective factors are not the cause of reducing the graduation design level. The main reason is that: first, many students did not attach enough importance to the graduation design, because of the learning procrastination, of course their designs are not ideal; The grasp for the learning is not good, so that the designing idea is far from reality, and it cannot suit the requirements of practice training, or ignore the originality, that some students lay particular stress on drawings whether the graduation design is mainly to achieve building expansion graph at the beginning. These two kinds of design tendency are not in conformity with the current development trend of architecture.

This book shows more than 40 outstanding graduation designs of Architecture school of HIT in 2013 and 2014. The two sessions of graduation design not only get joint graduation design teaching with outstanding universities domestic and abroad, but also have their own characteristics in each group. The students can choose group they prefer, which provides a wider range of opportunities for students to communicate. Graduation design can help students to examine the courses during the undergraduate stages, and remedied their insufficiency under the help of teachers. From the point of operation results, no matter architectural design itself or expressions of the final designs are improved. A lot of students take this opportunity to learn some auxiliary software to analyze related construction, and consider many architectural problems consciously. The two sessions of graduation design achieve good results under the joint efforts of students and teachers. Some of the graduation designs achieved nearly 30 awards in the competition of excellent work at home and abroad.

Although a lot of work is not perfect, and there are even more obvious questions, but we still hope that it can give students some hints and attentions. We hope each student of architecture can clear the requirements and orientation of graduation design, and establish correct learning goals to complete the learning process better.

The publication of the book is to break the ice, hoping the graduation design portfolios in the future will be a year of outstanding.

Dean of the school of architecture, HIT

Mei Hongyuan

/ 32

#### 4

#### 目录

2013 设	计题目 & 指导教师 / 6
毕若琛	桂林市叠彩区国奥城游泳馆及水上活动中心设计 /8
陈欣	北京望京昆泰大厦设计 / 14
嵇珂	莲塘/香园围口岸联检大楼建筑设计 / 20
金盈盈	重庆特钢厂片区空间城市设计与建筑设计 / 26
李晶	黑龙江省国际博览中心·内部空间外部环境更新设计
刘明	桂林市叠彩区游泳馆建筑设计 / 38
刘琦	重庆特钢厂片区空间城市设计与建筑设计 / 44
林雨青	寒地老城区滨水空间与建筑特色再创造 / 52
彭仲萍	白城市体育中心规划及主要单体建筑设计 / 58
钱文韵	延伸・哈尔滨火车站站前综合体设计 / 66
曲大刚	重庆特钢厂片区空间城市设计与建筑设计 / 72
宋冬白	白城市体育中心规划及主要单体建筑设计 / 78
王 辉	哈尔滨花园街历史街区更新改造设计 / 84
王鲁丽	莲塘/香园围口岸联检大楼建筑设计 / 90
王墨涵	寒地老城区滨水空间与建筑特色再创造 / 98
王思涵	白城市体育中心规划及主要单体建筑设计 / 104
王 宇	重庆特钢厂片区空间城市设计与建筑设计 / 110
杨原	莲塘/香园围口岸联检大楼建筑设计 / 118
张 立	莲塘/香园围口岸联检大楼建筑设计 / 124
张弥弘	重庆特钢厂片区空间城市设计与建筑设计 / 132
张彤	哈尔滨市第一老年养护院策划与设计 / 140
张岩	重庆特钢厂片区空间城市设计与建筑设计 / 144
郑 植	桂林市叠彩区游泳馆建筑设计 / 152
朱丽玮	西大直街跨铁路地段商业中心设计 / 158

邹 航 桂林市叠彩区游泳馆建筑设计 / 164

2014设计题目 & 指导教师 / 168 宋敏琦 APB 长春艺术工作展览小集 / 170 王静辉 幸福林带核心区城市设计及休闲商业综合体设计 / 176 陈玉婷 工业文化博物馆设计 / 184 孙江顺 黑龙江省旅游集散中心建筑设计 / 192 周 凡 哈尔滨历史街区艺术园区及博物馆改造设计 / 198 陈析浠 西班牙维戈市 La Artistica 旧厂区改建设计 / 206 陈星月 西班牙维戈市 La Artistica 旧厂区改建设计 / 214 杜鹏飞 西班牙维戈市 La Artistica 旧厂区改建设计 / 222 郭起燊 黑龙江省旅游集散中心建筑设计 / 230 谢媛雯 LINK——西班牙维戈市旧厂区改建及文化中心单体设计 / 236 张黛妍 长春拖拉机厂综合展览中心设计 / 244 张之洋 西安幸福林带核心区城市设计及青年人服务中心设计 / 252 陶斯玉潇 大庆市市民活动中心建筑设计 / 258 黄 茜 松北康复疗养中心建筑设计 / 262 甄 琪 长春拖拉机厂演艺中心设计 / 268 李 磊 西班牙维戈市拉亚提斯提克厂区更新设计之维戈文化航母 / 274 附录 1 2013 年毕业设计获奖作品介绍 / 282 附录 2 2014 年毕业设计获奖作品介绍 / 284

## **CONTENTS**

Project & Director of 2013	,	6
Bi Ruochen Guilin Diecai District international city swimming pool and the water activities centre design		8 -
Chen Xin Beijing Kun Tai mansion design in Wang Jing area	/ 1	
Ji Ke Building design of Liantang/ Heung Yuen Wai Port Combination Examination	/ 2	
Jin Yingying Urban design and architectural design of Chongqing Special Steel Plant Area	/ 2	
	/ 3	
Li Jing Heilongjiang Province International Expo Center—Interior space and the external environment update design  Liu Ming Natatorium design of Diecai District in Guilin	/ 3	
Liu Qi Urban design and architectural design of Chongqing Special Steel Plant Area	/ 4	
Lin Yuqing Waterfront space reconstruction and architecture design in old town in cold region	/ 5	
Peng Zhongping Baicheng Sports Center planning and single building design	/ 5	
Qian Wenyun Stretching-Urban complex in front of the Harbin railway station	/ 6	
Qu Dagang Urban design and architectural design of Chongqing Special Steel Plant Area	1 7	
Song Dongbai Baicheng Sports Center planning and single building design	1 7	
Wang Hui Reconstruction design and renewal of Harbin Huayuan Street	/ 8	
Wang Luli Building design of Liantang/ Heung Yuen Wai Port Combination Examination	/ 9	
Wang Mohan Waterfront space reconstruction and architecture design in old town in cold region	/ 9	
Wang Sihan Baicheng Sports Center planning and single building design	/ 10	
Wang Yu Urban design and architectural design of Chongqing Special Steel Plant Area	/11	10
Yang Yuan Building design of Liantang/ Heung Yuen Wai Port Combination Examination	/11	18
Zhang Li Building design of Liantang/ Heung Yuen Wai Port Combination Examination	/12	24
Zhang Mihong Urban design and architectural design of Chongqing Special Steel Plant Area	/ 13	32
Zhang Tong Harbin No.1 Elder care hospital planning and design	/14	40
Zhang Yan Urban design and architectural design of Chongqing Special Steel Plant Area	/14	44
Zheng Zhi Natatorium design of Diecai District in Guilin	/ 15	52
Zhu Liwei Commercial center design across railway at West Bridge	/ 15	58
Zou Hang Natatorium design of Diecai District in Guilin	/16	64
Project & Director of 2014	/16	68
Song Minqi APB Changchun Art Studio and Exhibition Hall	/17	70
Wang Jinghui Urban design and building design of core center area in Xi'an xingfulin district	/17	76
Chen Yuting Architecture design of Industrial Culture Museum	/18	84
Sun Jiangshun Architectural design of tourism center of Heilongjiang Province	/ 19	92
Zhou Fan Harbin historical block transformation into creative industry park & museum and research center	/ 19	98
Chen Xixi Update of La Artistica old industry area in Vigo, Spain	/ 20	06
Chen Xingyue Update of La Artistica old industry area in Vigo, Spain	/2	14
Du Pengfei Update of La Artistica old industry area in Vigo, Spain	/ 2:	22
Guo Qishen Architectural design of tourism center of Heilongjiang Province	/ 23	
Xie Aiwen LINK-Update of industry area and design of community center in Vigo, Spain	/ 23	
Zhang Daiyan Architecture design of display center of Changchun Tractor Factory	/ 2	
Zhang Zhiyang Youth center design and urban design in Xi'an xingfulin district		
Tao Siyuxiao Architectural design of Daqing City Civic Activity Center		
Huang Xi Architecture design of Songbei Rehabilitation and Recuperation Center		
Zhen Qi Architecture design of Media Center of Changchun Tractor Factory		
Li Lei Transformation of factory La Artistica, Vigo, Spain Vigo culture carrier		
Appendix 1 The introduction of awarded graduation projects in 2013	/2	
Appendix 2 The introduction of awarded graduation projects in 2014	/ 2	84



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Dean of the school of architecture, HIT

Mei Hongyuan

#### 目 录

2013 设计题目 & 指导教师 / 6

毕若琛 桂林市叠彩区国奥城游泳馆及水上活动中心设计 / 8

陈 欣 北京望京昆泰大厦设计 / 14

嵇 珂 莲塘/香园围口岸联检大楼建筑设计 / 20

金盈盈 重庆特钢厂片区空间城市设计与建筑设计 / 26

李 晶 黑龙江省国际博览中心 · 内部空间外部环境更新设计 / 32

刘 明 桂林市叠彩区游泳馆建筑设计 / 38

刘 琦 重庆特钢厂片区空间城市设计与建筑设计 / 44

林雨青 寒地老城区滨水空间与建筑特色再创造 / 52

彭仲萍 白城市体育中心规划及主要单体建筑设计 / 58

钱文韵 延伸·哈尔滨火车站站前综合体设计 / 66

曲大刚 重庆特钢厂片区空间城市设计与建筑设计 / 72

宋冬白 白城市体育中心规划及主要单体建筑设计 / 78

王 辉 哈尔滨花园街历史街区更新改造设计 / 84

王鲁丽 莲塘/香园围口岸联检大楼建筑设计 / 90

王墨涵 寒地老城区滨水空间与建筑特色再创造 / 98

王思涵 白城市体育中心规划及主要单体建筑设计 / 104

王 宇 重庆特钢厂片区空间城市设计与建筑设计 / 110

杨 原 莲塘/香园围口岸联检大楼建筑设计 / 118

张 立 莲塘/香园围口岸联检大楼建筑设计 / 124

张弥弘 重庆特钢厂片区空间城市设计与建筑设计 / 132

张 彤 哈尔滨市第一老年养护院策划与设计 / 140

张 岩 重庆特钢厂片区空间城市设计与建筑设计 / 144

郑 植 桂林市叠彩区游泳馆建筑设计 / 152

朱丽玮 西大直街跨铁路地段商业中心设计 / 158

邹 航 桂林市叠彩区游泳馆建筑设计 / 164

2014设计题目 & 指导教师 / 168

宋敏琦 APB 长春艺术工作展览小集 / 170

王静辉 幸福林带核心区城市设计及休闲商业综合体设计 / 176

陈玉婷 工业文化博物馆设计 / 184

孙江顺 黑龙江省旅游集散中心建筑设计 / 192

周 凡 哈尔滨历史街区艺术园区及博物馆改造设计 / 198

陈析浠 西班牙维戈市 La Artistica 旧厂区改建设计 / 206

陈星月 西班牙维戈市 La Artistica 旧厂区改建设计 / 214

杜鹏飞 西班牙维戈市 La Artistica 旧厂区改建设计 / 222

郭起燊 黑龙江省旅游集散中心建筑设计 / 230

谢媛雯 LINK——西班牙维戈市旧厂区改建及文化中心单体设计 / 236

张黛妍 长春拖拉机厂综合展览中心设计 / 244

张之洋 西安幸福林带核心区城市设计及青年人服务中心设计 / 252

陶斯玉潇 大庆市市民活动中心建筑设计 / 258

黄 茜 松北康复疗养中心建筑设计 / 262

甄 琪 长春拖拉机厂演艺中心设计 / 268

李 磊 西班牙维戈市拉亚提斯提克厂区更新设计之维戈文化航母 / 274

附录 1 2013 年毕业设计获奖作品介绍 / 282

附录 2 2014 年毕业设计获奖作品介绍 / 284

## **CONTENTS**

Deplet 9. Director of 2012	/ 6	
Project & Director of 2013	/ 6	
Bi Ruochen Guilin Diecai District international city swimming pool and the water activities centre design	/ 8	
Chen Xin Beijing Kun Tai mansion design in Wang Jing area	/ 14	
Ji Ke Building design of Liantang/ Heung Yuen Wai Port Combination Examination	/ 20	
Jin Yingying Urban design and architectural design of Chongqing Special Steel Plant Area	/ 26	
Li Jing Heilongjiang Province International Expo Center-Interior space and the external environment update design	/ 32	
Liu Ming Natatorium design of Diecai District in Guilin	/ 38	
Liu Qi Urban design and architectural design of Chongqing Special Steel Plant Area	/ 44	
Lin Yuqing Waterfront space reconstruction and architecture design in old town in cold region	/ 52	
Peng Zhongping Baicheng Sports Center planning and single building design	/ 58	
Qian Wenyun Stretching-Urban complex in front of the Harbin railway station	/ 66	
Qu Dagang Urban design and architectural design of Chongqing Special Steel Plant Area	/ 72	
Song Dongbai Baicheng Sports Center planning and single building design	/ 78	
Wang Hui Reconstruction design and renewal of Harbin Huayuan Street	/ 84	
Wang Luli Building design of Liantang/ Heung Yuen Wai Port Combination Examination	/ 90	
Wang Mohan Waterfront space reconstruction and architecture design in old town in cold region	/ 98	
Wang Sihan Baicheng Sports Center planning and single building design	/ 104	
Wang Yu Urban design and architectural design of Chongqing Special Steel Plant Area	/110	
Yang Yuan Building design of Liantang/ Heung Yuen Wai Port Combination Examination	/ 118	
Zhang Li Building design of Liantang/ Heung Yuen Wai Port Combination Examination	/ 124	
Zhang Mihong Urban design and architectural design of Chongqing Special Steel Plant Area	/ 132	
Zhang Tong Harbin No.1 Elder care hospital planning and design	/ 140	)
Zhang Yan Urban design and architectural design of Chongqing Special Steel Plant Area	/ 144	1
Zheng Zhi Natatorium design of Diecai District in Guilin	/ 152	2
Zhu Liwei Commercial center design across railway at West Bridge	/ 158	3
Zou Hang Natatorium design of Diecai District in Guilin	/ 164	
Project & Director of 2014	/ 168	
Song Minqi APB Changchun Art Studio and Exhibition Hall		
Wang Jinghui Urban design and building design of core center area in Xi'an xingfulin district	/ 176	
Chen Yuting Architecture design of Industrial Culture Museum	/ 184	
Sun Jiangshun Architectural design of tourism center of Heilongjiang Province	/ 192	
Zhou Fan Harbin historical block transformation into creative industry park & museum and research center		3
Chen Xixi Update of La Artistica old industry area in Vigo, Spain		5
Chen Xingyue Update of La Artistica old industry area in Vigo, Spain		
Du Pengfei Update of La Artistica old industry area in Vigo, Spain	/ 222	
Guo Qishen Architectural design of tourism center of Heilongjiang Province	/ 230	
Xie Aiwen LINK-Update of industry area and design of community center in Vigo, Spain		
Zhang Daiyan Architecture design of display center of Changehun Tractor Factory		
Zhang Zhiyang Youth center design and urban design in Xi'an xingfulin district		
Tao Siyuxiao Architectural design of Daqing City Civic Activity Center		
Huang Xi Architecture design of Songbei Rehabilitation and Recuperation Center		
Zhen Qi Architecture design of Media Center of Changchun Tractor Factory		
Li Lei Transformation of factory La Artistica, Vigo, Spain Vigo culture carrier		
Appendix 1 The introduction of awarded graduation projects in 2013		2
Appendix 2 The introduction of awarded graduation projects in 2014	/ 28	4

### 2013 设计题目 & 指导教师 Project & Director of 2013

第一组:北京望京昆泰大厦设计

Group1: Beijing Kun Tai mansion design in Wang Jing area



李桂文 Li Guiwen

教授 Professor

研究方向:人居建筑与环境,生态城市与建筑,可持续的城市与建筑

Research direction: Residential architecture and the environment, Ecological city and architecture, Sustainable city and buildings

第二组:哈尔滨市第一老年养护院策划与设计

Group2: Harbin No.1 Elder care hospital planning and design



邹广天 Zou Guangtian

教授 Professor

研究方向:建筑计划学,人居环境安全学,建筑设计创新学,可拓建筑学

Research direction: Architectural planning, Residential environment safety science, The architectural design innovation, Architectural extenics



连菲 Lian Fei

讲师 Lecturer

研究方向 建筑策划,可拓建筑策划,年长者建筑 设施

Research direction: Architectural planning, Extension Architectural Programming, The elder's buildings and equipment

第三组: 白城市体育中心规划及主要单体建筑设计

Group3: Baicheng Sports Center planning and single building design



罗鹏

Luo Pena

副教授 Associate Professor

研究方向:大空间公共建筑设计及其理论,体育建筑,建筑教育

Research direction:Large space public architectural design and theory, Sports building, Architectural education



刘莹

liu Ying

讲师 Lecturer

研究方向:建筑模拟,安全疏散,体育建筑 Research direction:Building simulation, Safety

evacuation, Sports building



Group4: Natatorium Design of Diecai District in Guilin



史立刚

Shi Ligang

讲师 Lecturer

研究方向:体育建筑设计及其理论,大空间建筑生态设计

Research direction: Sports architectural design and theory, Ecologic design of large space building



席天宇

Xi Tianyu

讲师 Lecturer

研究方向: 室外微气候制御和人体热舒适研究

Research direction: Outdoor micro climate control and thermal comfort of human body

唐征征

刘滢

Liu Ying

讲师 Lecturer

Tang Zhengzheng

研究方向:建筑及环境声学,城市声景观

Research direction: The architectural and environmental acoustics. Sound landscape of city

研究方向: 体育建筑, 大空间公共建筑设计及其理论

Research direction: Sports buildings, Large space

public architectural design and theory

讲师 Lecturer

第五组: 莲塘/香园围口岸联检大楼建筑设计

Group5: Building design of Liantang / Heung Yuen Wai Port Combination Examination



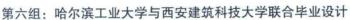
于戈

Yu Ge

副教授 Associate Professor

研究方向: 日本现代建筑,建筑设计创新学,可拓建筑学,老人居住设施与环境

Research direction: Japanese modern architecture, Architectural design innovation, Architectural extenics, The elderly living facilities and the environment



Group6: Harbin Institute of Technology and Xi'an University of Architecture And Technology Joint Graduation Design



吴健梅

Wu Jianmei

副教授 Associate Professor

研究方向: 地域建筑创作及其理论, 木建筑创作及 其技术, 儿童建筑空间和环境设计研究, 建筑教育 比较研究

Research direction: Regional architecture creation and theory, Creation and technology of wood architecture, Design of architecture space and environment for children, Comparative study on architectural education



Group7: Harbin Institute of Technology and Chongqing University Joint Graduation Design



陆诗亮 Lu Shiliang

副教授 Associate Professor

研究方向: 大型体育场馆建筑设计

Research direction: Architecture design of gymnasium



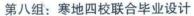
张宇

Zhang Yu

讲师 Lecturer

研究方向:建筑设计节能策略研究,建筑设计节能评估方法,低碳城市/智慧城市设计方法研究

Research direction: Research of energy saving strategy of architecture design, Evaluation methods of building energy saving design, Research of low carbon city / wisdom city design method



Group8: The four Northeast University Joint Graduation Design



徐洪澎

Xu Hongpeng

副教授 Associate Professor

研究方向:绿色与地域建筑创作及其理论,木建筑创作及其理论

Research direction: Green and regional architectural creation and theory, Wood architectural creation and theory



朱莹

Zhu Ying

讲师 Lecturer

研究方向:建筑历史及理论

Research direction: Regional architecture Design

and theory



毕若琛 Bi Ruochen

桂林市叠彩区国奥城游泳馆及水上活动中心设计 Guillin Diecai District international city swimming pool and the water activities centre design 指导教师: 史立刚 席天宇

本设计立足于人文自然环境,体现桂林地区的风貌文化,步步推进,突出两个关键词——山和水。

山——山有棱,个性分明,刚毅顽强,根植于当地人的骨髓中,体现在蓬勃的发展中,也无形地影响着人们的行为模式。

水——水无状,随遇而安,乐观旷达,渗透于当地人的性格中,体现在处事的原则中,也间接地左右着人们的生活状态。

本设计立足于人文自然环境,提取桂林的山水意向。用山之硬朗,实现建筑形态与结构的有机结合,空间与功能的高效利用;以索拱结构为原型,经过一系列优化完善,其表面采用双层膜结构,不但表现了桂林水的飘逸质感,同时由于结构利用膜间层通风隔热、PEFE 膜透光性,实现了由建筑的结构产生建筑的形象、文化、技术的构思方法,并且最终实现完美的结合。

