

# 设计 || DESIGN *AGAINST* 应对 雾霾 || SMOG

热力学方法论 Thermodynamic  
在中国 Methodology  
for Chinese Architecture

Meals and Accommodation  
will be PROVIDED !

## 设计应对雾霾 DESIGN AGAINST SMOG

热力学方法论在中国  
Thermodynamic Methodology for Chinese Architecture

### OBJECTIVE

Studying the climatological approaches of traditional Chinese architecture and exploring new contemporary architectural paradigms in response to China's environmental crisis.

**SITE**  
Shanghai, China

**TIME**  
August 9th - 22nd, 2015

### AWARDS

1st Prize 12,000 RMB  
2nd Prize 10,000 RMB  
3rd Prize 8,000 RMB

### ORGANIZED BY

College of Architecture and Urban Planning.  
Tongji University. Shanghai. China

### SPONSORED BY

East China Architectural Design & Research Co., Ltd. (ECADI)  
Shanghai Urban Planning & Design Research Institute (SUPDRI)  
Tongji Architectural Design (Group) Co. Ltd. (TJAD)  
Shanghai Tongji Urban Planning & Design Institute (TJUPDI)

### JURY

Iñaki Abalos | GSD Harvard University & Abalos+Sentkiewicz  
Yungho Chang | FCJZ & Tongji University  
Werner Sobek | ILEK University of Stuttgart  
S.S.Y. Lau | National University of Singapore & CGBC

### APPLICATION DEADLINE

May 30th, 2015 Friday

For more information and application form, please visit  
<http://www.tongji-caup.org>



## Background

Tongji CAUP summer school is an annual event of ten-year history and has become a cherished tradition. Each summer, CAUP holds a two-week design camp devoted to the exploration of cutting edge approaches and strategies in the field of architecture, planning and environmental design. This event includes field trips to facilitate the campers' comprehension of the urban and environmental issues of

China. Works of the summer school are exhibited and published as a book. Top works are selected by a jury and awarded with cash prizes.

## Theme

This year, the event is themed as “**DESIGN AGAINST SMOG: Thermodynamic Methodology for Chinese Architecture.**” The landmark documentary about China's catastrophic air pollution by former CCTV reporter Chai Jing has been circulated through social media and video-sharing website. The documentary has sparked unprecedented concerns about the issue of smog. It forces architects, planners and engineers to come up with multi-disciplinary methods in response to the air pollution. Undoubtedly China is entering into an era which increasingly suffers environmental crises, reminiscent of the Los Angeles haze and London fog in the 1950s and 1960s. Ever since air-conditioning was incorporated into the building system, building interior has been treated as an environment free from unwanted energy exchange. However, inspired by Rudolf Causius' Second Law of Thermodynamics and Ilya Prigogine's study on dissipative structures and complex systems, contemporary architectural studies considers buildings to be systems with ambiguous borders. This thermodynamic underpinning of architecture revolutionized the modernist notion of the city and called for a revisit to the wisdom of Chinese vernacular settlements, in which the buildings were able to create an adaptive interior climate. With that in mind, we encourage our campers to learn from Chinese traditional built environment and the way in which a micro-climate could be created with specific city layouts, building paradigms, operable spaces and construction approaches. Equipped with the thermodynamic methods, we are able to critique the form of vast urbanization in China and rethink the border, ontology, dynamics and organization of modern architectural systems.

## Submission

CAUP welcomes applications from students of diverse academic backgrounds. Basically we encourage those colleges holding a partnership with CAUP to recommend talented candidates. We also welcome applications from interested institutions all around the world. Good command of the English language is required to ensure the quality of communication and production. An academic committee will be appointed to assess and shortlist the applications. We expect to accept 40 students (8 CAUP students, 16 applicants from other parts of China, and 16 international students).

May 30, 2015 is the deadline to submit all application materials. An acceptable application should consist of the following components:

1. Cover Letter (recommended)
2. Application Form (Followed after Brief)
3. Curriculum Vitae of the applicant
4. Portfolio (recommended)

We preferred applications to be submitted electronically. All forms, supporting materials and questions related to application should be directed to [2015tongjisummerschool@tongji.edu.cn](mailto:2015tongjisummerschool@tongji.edu.cn)

## Awards

First Prize      12000RMB

**ADDRESS** B Building, Room 128, College of Architecture and Urban Planning, Tongji University No. 1239, Siping Rd, Shanghai, China

**EMAIL** [2015tongjisummerschool@tongji.edu.cn](mailto:2015tongjisummerschool@tongji.edu.cn)

**WEBSITE** [http://www.tongji-](http://www.tongji-caup.org)

[caup.org](http://www.tongji-caup.org)

Second Prize 10000RMB  
Third Prize 8000RMB

**Jury Members**

Inaki Abalos	GSD Harvard University & Abalos+Sentkiewicz
Yung Ho Chang	FCJZ & Tongji University
Werner Sobek	ILEK University of Stuttgart
Stephen S. Y. Lau	National University of Singapore & CGBC

同济大学CAUP 2015暑期国际设计夏令营  
Tongji University CAUP 2015 Summer School

联系信息

Contact Info

姓名/ Name		电话/ Phone Number	
电邮/ Email		护照号/ Passport No.	
现居地址/ Current Address			

个人信息

Personal Info

姓名/ Name		现就读学院/ Current College	
年级/ Current Year		毕业时间/Expected Graduation Date	
专业/ Major		辅修/ Minor	
国籍/ Nationality		性别/ Gender	
语言及程度/ Language and Proficiency Levels			
个人网站/Website			

\*请于**2015年5月30日前**将填写好的申请表及相关附件(如简历、作品集等,此项可选)发送至至  
Please submit the filled out application form and optional addenda, resume, portfolio, etc **by May 30th, 2015** to  
2015tongjisummerschool@tongji.edu.cn

\*所有信息审阅之后将于5月月下旬通过电邮方方式联系入入选营员。 Applicants will be contacted by email in late May regarding admission.

\*夏令营期间,所有成员的食食宿及考察由主办方方统一提供,来回旅费自理。  
Meals, accommodation and field trip will be provided by summer school. Travel expenses will not be compensated.

同济大学CAUP 2015暑期国际设计夏令营  
Tongji University CAUP 2015 Summer School

申请理由

Written Statement

<p>请用少于250字的篇幅简要介绍申请本次暑期国际设计夏令营的理由 In a statement of no more than 250 words please write about the motivating observations and interests that inspire you to apply for this summer school</p>	
<p>如何得知这次夏令营? Where did you hear about this summer school?</p>	

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