



The Fundamental of Construction Cost and Estimation

# 工程造價與工程預算的 基本知識與方法

- 建築工程設計與工程造價的關係  
The relationship between construction design and construction cost
- 建築工程設計與工程投標的關係  
The relationship between construction design and construction bidding
- 建築工程造價的基本分類與指導  
The basic construction cost classification and instruction
- 建築工程造價的基本技能和模式  
The basic construction cost skill and formulation

Instructor:  
北奧 George Zhao  
Chief Estimator  
LAX TBIT EXTENSION

Hundreds of thousands construction engineers and designers graduated from the colleges every year. It is not very easy for them to find a solid job. Few estimators graduated from the schools, because besides scientific knowledge, the field experience is more required. It is a truth to find out that construction estimator makes more money than a structural engineer does. This is not because of estimators are smarter, but more than 90% of construction cost is in the field, not in the design room. The designers usually spend 20% of construction hours but share less than 10% fees. To be a structural designer with cost knowledge or a cost estimator with design background is the basic qualification to join the dream team and to keep your job stable.

Come and join us! George Zhao, a senior and chief estimator with 30 years estimation and bidding experience in Southern California can help you jumping in estimation field, getting the basic cost knowledge and making you a better structural engineer. George Zhao came from Beijing, China and he speaks fluently Chinese.

**Seminar will be held on :**

**04/26/14:** Hilton Los Angeles: 225 West Valley Blvd,  
San Gabriel, CA91776

**Time:** 1:00pm - 1:30pm: Network and Registration  
1:30pm - 4:30pm: Seminar

**Fee:** \$30 for Members, \$50 for Non-members, \$10 for Students

**Registration by Paypal is available:**

[https://www.paypal.com/cgi-bin/webscr?cmd=\\_s-xclick&hosted\\_button\\_id=F87UWQN6ULSH8](https://www.paypal.com/cgi-bin/webscr?cmd=_s-xclick&hosted_button_id=F87UWQN6ULSH8)

**Overseas Chinese Civil and Structural Engineering Association**

**Website:** www.occsea.org  
**E-mail:** occsea.us@gmail.com  
**Phone:** Hope Wang: 310-430-9131  
Roger Li: 213-897-0171  
Shaw Zhang: 310-866-6589



每年都有成千上萬的建築工程師和設計師從大學畢業走上社會，可是要找到一份象樣的工作却不是那麼容易。與之相反的是幾乎沒有建築造價師和評估師從學校裏出來，因為成爲一個造價師不僅需要科學知識更需要工地的經驗。誰都知道工程造價師比結構設計師掙得多，這絕不是因爲造價師更聰明，而是因爲工程百分之九十的預算會花在地而不是在設計室裏面。設計師通常要在設計上花費整個工程百分之二十的時間，成爲一個懂工程造價的結構設計師，或是一個有設計背景的工程造價師，是進入一流團隊必要條件，也是工作穩定的一個重要保障。

北奧，是一個在南加州工地上具有三十年經驗高級建築工程造價師和評估師。他能够幫助你加入到工程造價這個行列，得到造價的基本知識而使你成爲一個更加出色的結構工程師。北奧來自北京，他的中文呱呱叫。