Where is Taiwan?
Location

- 50 km from Taipei city
- 20 km from Taiwan Taoyuan International Airport

History

- Established in 1991, as one area in the Department of Civil Engineering at NCU
- Became a separate Institute in 2001 and offers both Master and Ph.D. degree programs
- There are currently 5 full time and 5 adjunct faculty members, 32 Master students, 40 part-time Master students and 18 Doctoral students.
- Following the successful development of the Division, the Institute continues to grow vigorously in all dimensions owing to the tremendous need of the country for the domain knowledge of construction engineering and management.
Facilities

Statistics - last 5 years

- **Percentage of Graduation (Master)**
  - 97.1% (2 years)

- **Percentage of employment (Master)**
  - 81.5% (actual)
  - 100% (leave out involuntary unemployment)

- **Research funding**
  - National Science Council: 260,000 US$/yr
  - Government, industry: 400,000 US$/yr
Faculty

Rong-Yau Ethan Huang

- **Research Interest**
  1. Sustainable Construction
  2. Green Building and Construction
  3. Recycling and Management of Building and Construction Wastes
  4. Life-Cycle Management of Infrastructure
  5. Lean Construction

Professor & Chairman
Purdue University, U.S.A., Ph.D.
Nie-Jia Jerry Yau

• Research Interest
  1. Scheduling and Delay Analysis
  2. Construction Disputes and Arbitration
  3. Bridge Management System
  4. Disaster Management System

Professor
University of Illinois at Urbana-Champaign, U.S.A., Ph.D.

Ting-Ya Hsieh

• Research Interest
  1. Construction Public Laws
  2. International Turkey Contracting
  3. Construction Contract Dispute Resolution
  4. Construction Productivity
  5. Project Risk Management & Decision Making

Professor
University of Texas at Austin, U.S.A., Ph.D.
University of Pennsylvania, U.S.A., LLM
Soo-Chow University, R.O.C., Master of Laws
**Jyh-Bin Yang**

- **Research Interest**
  1. Construction Management and Project Management
  2. Project Scheduling & Delay Analysis
  3. Procurement Performance Evaluation and Performance-Based Contract
  4. Knowledge Management System Development
  5. Applications of AI & IT in Construction Management

**Professor**

*National Central University, R.O.C., Ph.D.*

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**Jieh-Haur Chen**

- **Research Interest**
  1. Computational Intelligence and Human-Computer Interaction in Construction
  2. Cost Control and Human Resource Management
  3. Managerial Finance in Engineering
  4. Real Estate and Property Management

**Associate Professor**

*University of Wisconsin at Madison, U.S.A. Ph.D.*

*Northwestern University, U.S.A., Master of Management*
### Non tenure track

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Education</th>
<th>Research Interest</th>
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</table>
| Chien-Chung John Li  | Adjunct Professor   | Michigan State University, U.S.A., Ph.D. | • Governmental Procurement Regime  
• Private Participation in Public Construction  
• Public Construction Policy |
| Tsung-Chung Kao      | Adjunct Professor   | University of California, Berkeley, U.S.A., Ph.D. | • Project Management  
• Construction Management |
| Chung-i Kevin Yen    | Adjunct Assistant Professor | Purdue University, U.S.A., Ph.D. | • Infrastructure management and maintenance  
• IT application in construction management  
• Operation research and system analysis  
• Scheduling and project management |
| Yu-Sheng Chang       | Adjunct Assistant Professor | National Cheng Kung University, R.O.C., Ph.D. | • Green Construction  
• Environmental Control System |
| Po-Chein Wang        | Adjunct Assistant Professor | University of Illinois, U.S.A., Master of Laws | • Contracts and Laws  
• Project disputes and arbitration |

### Teaching

- **Undergraduate (supporting Civil Dept.)**
  - Construction Management (3)
  - Construction Project Management (3)
  - Engineering Economics (3)
  - Introduction of Management (2)

- **Graduate**
  - Construction Planning and Control (3)
  - Computer Applications in Construction Management (3)
  - Construction Contract and Arbitration (3)
  - Legal Topics in Engineering (3)
Teaching (cont.)

- Managerial Finance for Construction Engineering and Management (3)
- Cost accounting in Engineering (3)
- Construction Productivity (2)
- Simulation of Construction Operations (3)
- Construction Engineering System Analysis Methods (3)
- Green Building & Green Building Materials (3)
- Special Topics in Construction Law (3)
- Research Methodology for Construction (3)
- Construction Management Seminar (1)
- ISO Managerial Systems and CSI Standards Seminar (1)

Teaching (cont.)

- Graduate (Part-time Master Degree)
  - Project Integration and Scope Management (3)
  - Project Schedule Management (3)
  - Project Cost Management (3)
  - Project Quality Management (3)
  - Project Human Resource Management (3)
  - Project Information and Communication Management (3)
  - Project Procurement Management (3)
  - Project Risk Management (3)
  - Project Contract Management (3)
  - Engineering Research Methodology & Special Topics (3)
Activity

Visiting activities

- 2006: Taiwan High Speed Rail
- 2008: Thermal power plant
- 2007: Alumnus back to school
- 2006: Visiting Southeast University
- 2007: ILDMI symposium
- 2010: Visiting Chongqing University
Extra-curriculums activities

Thank you for your attention

Please do come and visit us at National Central University !!
Areas of research

1. Government Procurement and BOT.
2. Internet in construction management.
3. Expert systems in construction management.
4. Project disputes and arbitration.
5. Facility and bridge management systems.
6. Construction Operation and Lean Production.
7. Life cycle management and green construction.
11. Construction risk management.
13. Human resource management.
14. Professional construction management and innovative Project delivery systems.
15. Professional liability insurance in construction.