

Structural Engineering Research Laboratory

*Room (Y001), Block (Y),
Department of Civil and Environmental Engineering,
The Hong Kong Polytechnic University*



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學



DEPARTMENT OF
CIVIL AND ENVIRONMENTAL ENGINEERING
土木及環境工程學系

Opening Minds • Shaping the Future
啟迪思維 • 成就未來

Introduction

- Structural Engineering Research Laboratory which installed with state-of-art equipment to enhance in the field of structure in teaching and research function.
- The laboratory can perform the testing for different material (e.g. reinforced concrete columns, Steel column, concrete filled steel columns, FRP strengthened sections, etc.) for monotonic and cyclic tests.



Main Equipment



10000kN Servo Control Multi-purpose Testing System (MPTS)

The MPTS can provide 10000 kN (vertical) and 1500 kN (horizontal) loading with full displacement control for monotonic and cyclic loading tests.



25000kN compression testing

Acquired by The Chinese National Engineering Research Center for Steel Construction (CNERC). The machine is specifically designed for mechanical tests on typical structural members made of high strength steel and composite materials under a maximum compressive load at 25,000kN.



100 ton loading frame

The laboratory have 3 set 100 ton loading capacity of loading frame with mounting loading actuators to carry out the different types loading tests.

Academic Staff



Teng, Jin-Guang (滕錦光)
President
Chair Professor of Structural Engineering, Ko
Jan Ming Professor in Sustainable Structures
and Materials
Email: jg.teng@polyu.edu.hk



Ben Young (楊立偉)
Vice President (Student and Global Affairs)
Chair Professor of Steel Structures
Email: ben.young@polyu.edu.hk



Zhao Xiao Lin (趙曉林)
Chair Professor of Civil Infrastructure
Email: xiao-lin.zhao@polyu.edu.hk



Ni, Y.Q. (倪一清)
Chair Professor of Smart Structures and Rail Transit
Email: yiqing.ni@polyu.edu.hk
Homepage: <https://www.polyu.edu.hk/cee/~yqni>

Academic Staff



Chung, Kwok-fai (鍾國輝)

Professor

Email: kwok-fai.chung@polyu.edu.hk

Homepage: <http://www.polyu.edu.hk/cee/~cekchung>



Zhu, Songye (朱松擘)

Associate Head (Research) and Professor

Email: ceszhu@polyu.edu.hk

Homepage: <http://www.polyu.edu.hk/cee/~ceszhu/>



Dai, Jian-guo (戴建國)

Professor

Email: cejgdai@polyu.edu.hk

Homepage: <http://www.cejgdai.com>



Yu, Tao (余濤)

Professor

Email: tao-cee.yu@polyu.edu.hk

Academic Staff



Chan, T.M. (陳德明)

Associate Professor

Email: tak-ming.chan@polyu.edu.hk

Homepage: <http://www.polyu.edu.hk/cee/~tmchan/>



Dong, You (董优)

Associate Professor

Email: you.dong@polyu.edu.hk

Homepage: <http://youdongpolyu.weebly.com>

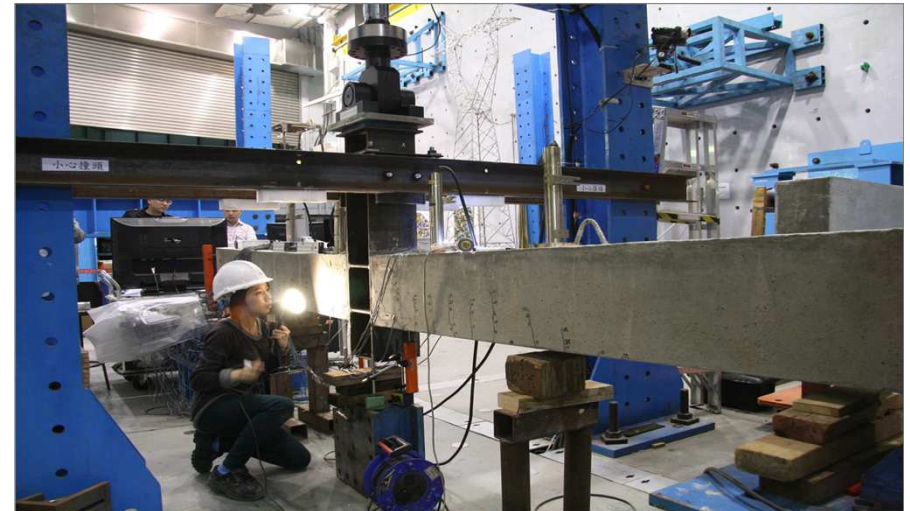
Research Spotlight

FRP Research



photos, etc.)

Concrete Beam Steel Column Joint Test



e.g. poster,
introduction,
photos, etc.)

Research Spotlight

Timber tests

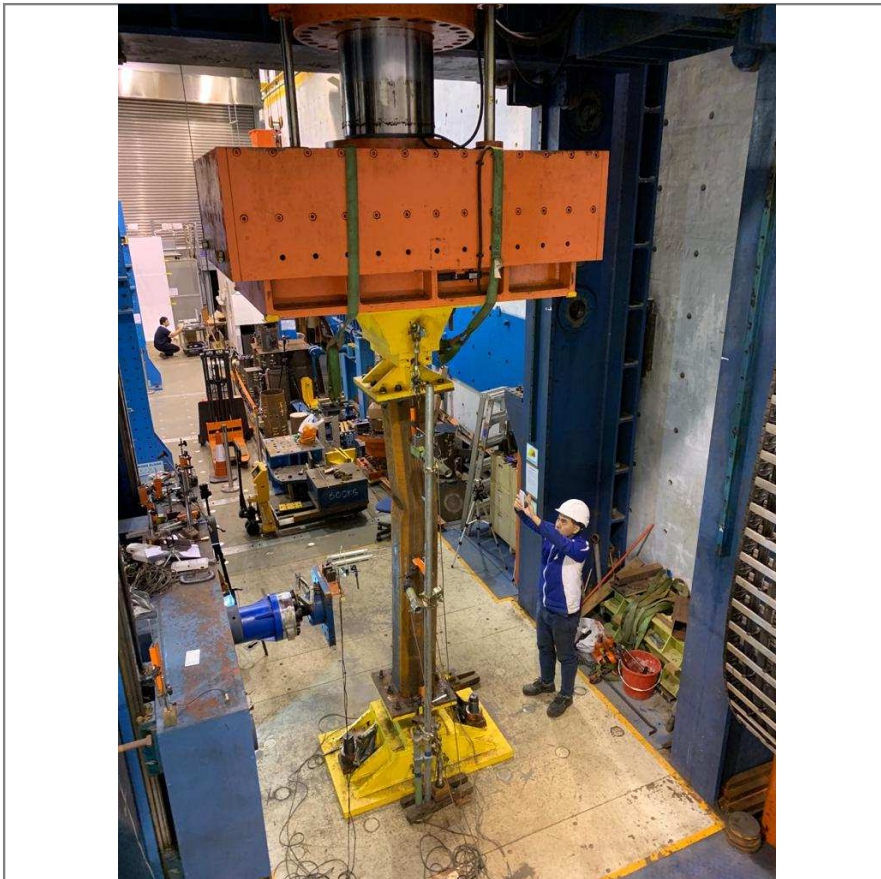


FRP Arch Tests

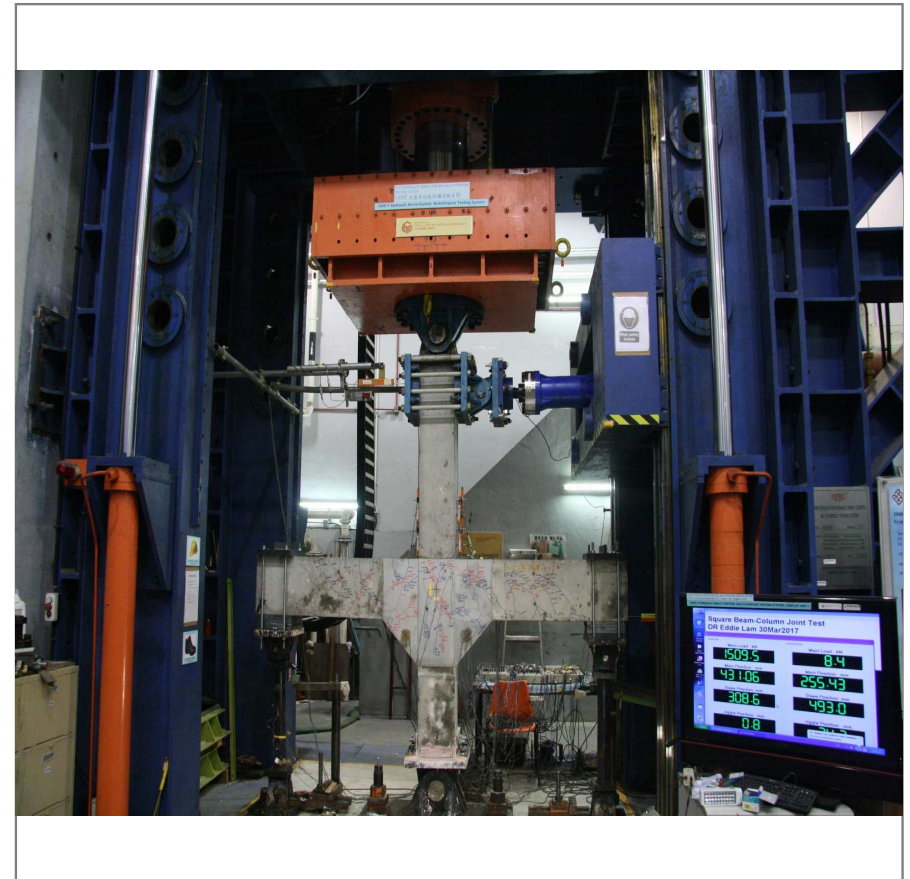


Research Spotlight

High Strength Steel Long Columns



Beam column joint test



Lab-in-charge and Technical Staff



Lab-in-Charge

Dr T.M. Chan (陳德明)

Associate Professor

Email: tak-ming.chan@polyu.edu.hk

Homepage:

Technical Staff



Mr. Cheung Kwok Lung, Henry

Email: kclxcheun@polyu.edu.hk

Tel: (852) 2766 6083

Address

Room (Y001), The Hong Kong Polytechnic University

Opening Hours

Monday 8:45am – 12:30pm, 1:30pm – 5:45pm

Tuesday to Friday 8:45am – 12:30pm, 1:30pm – 5:30pm

(excluding Saturday, Sunday & public holidays)