

东南大学 2021 年国际暑期学校项目介绍

Introduction of SEU International Summer School Program

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暑期项目 A

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暑期项目 B

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暑期项目 C

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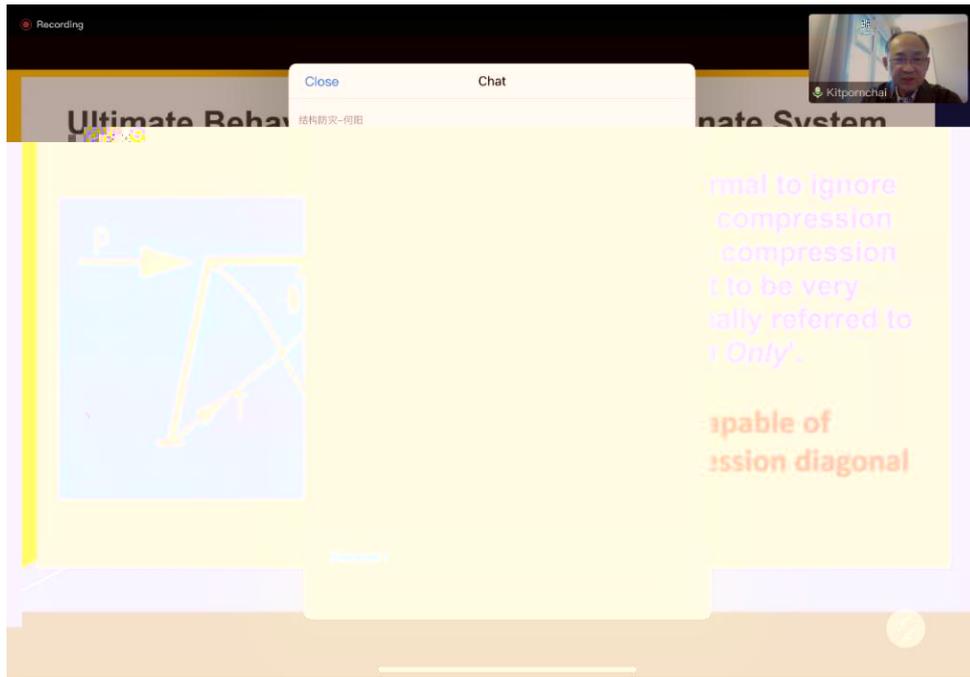
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Sritawat Kitipornchai

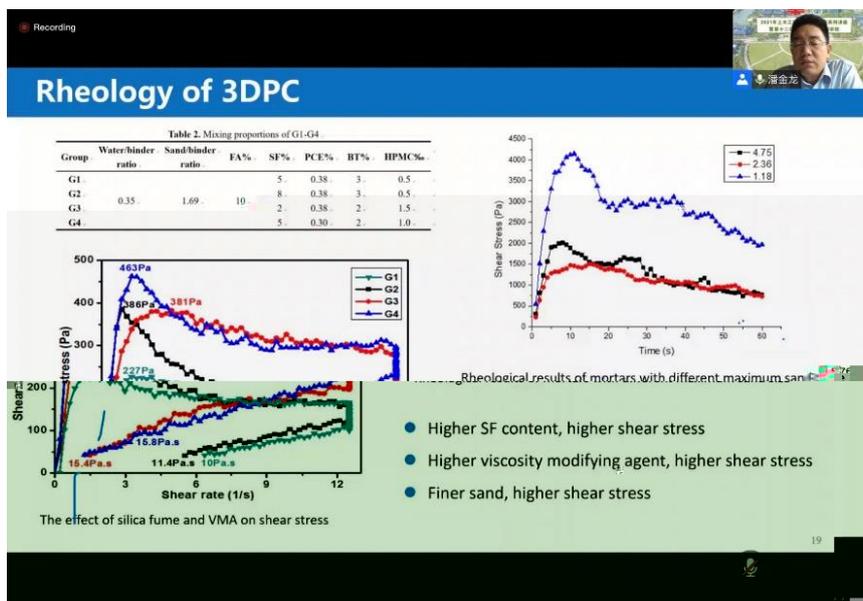
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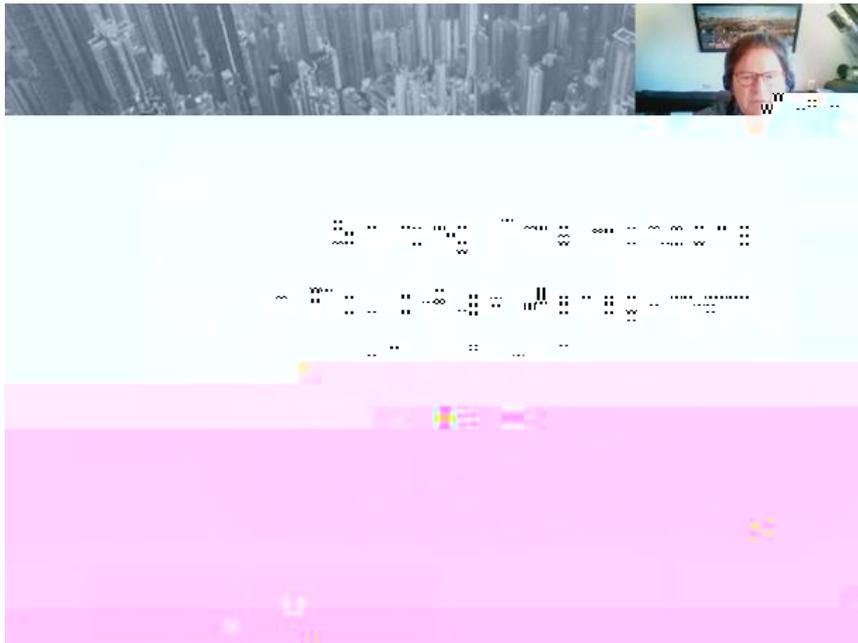
Recording

2021年土木工程 专家系列讲座
第四十二讲 地质灾害防治
程玉峰_Frank

Pipe-soil interaction and pipeline integrity

- Geohazards are usually **interlinked**, and one may lead to others
 - Seismic activity may cause landslides and ground subsidence.
- In many situations, interactions exist between **different threats** to pipeline integrity
 - Geohazards, **corrosion**, mechanical damages, manufacturing defects, along with internal pressure
- The geohazards can remarkably increase the probability of **pipeline failure**.

Enabling improved integrity of energy pipelines in



Chris Zevenbergen

ing Time

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Chris Zevenbergen

FACULTEIT INGENIEURSWETENSCHAPPEN
EN ARCHITECTUUR

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Wouter De Corte

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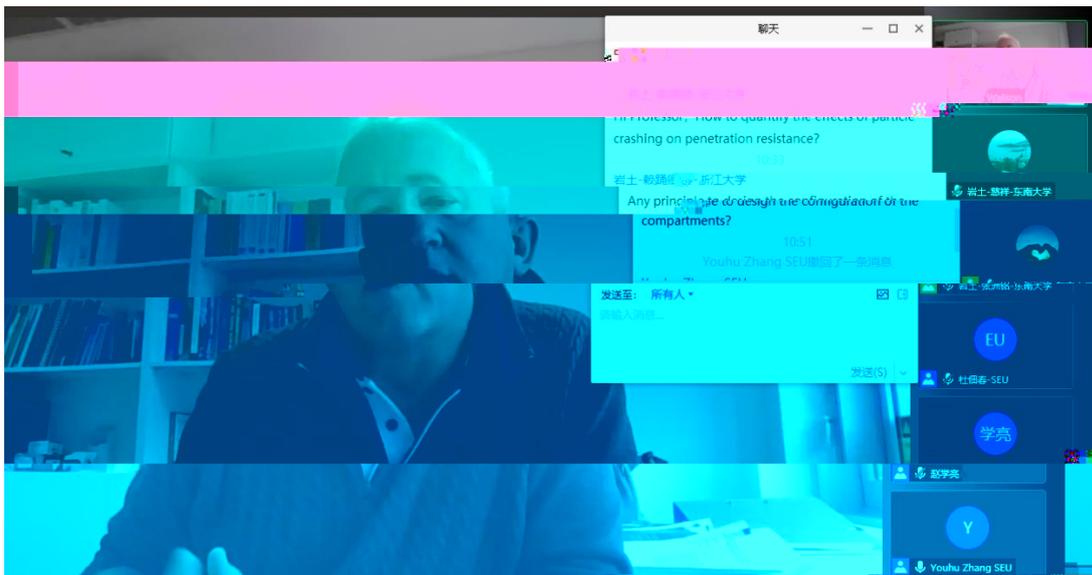
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Phil Watson

Phil Watson

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Bentley Systems Inc

Zhengyi

Wu

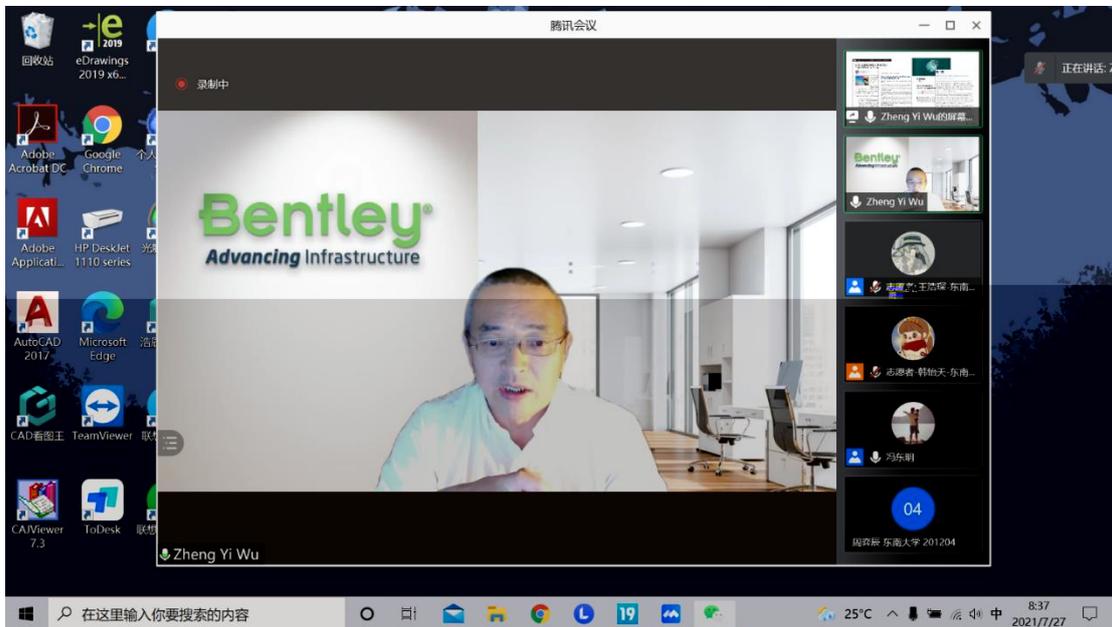
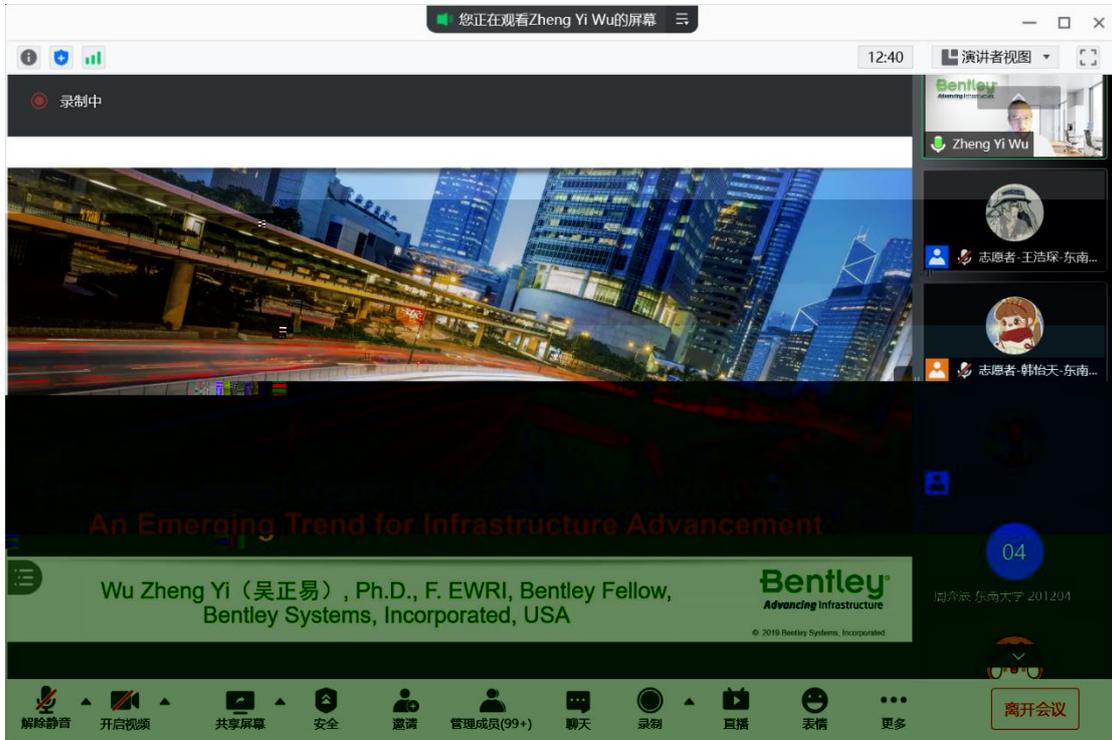
From Structural Health Monitoring to Digital Twin

An

Emerging Trend for Infrastructure Advancement

(SHM)

SHM



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INSPIRE

INSPECTING AND PRESERVING
INFRASTRUCTURE THROUGH
ROBOTIC EXPLORATION

Robot-assisted Bridge Inspection and Maintenance

Genda Chen, Professor and Abbett Chair in Civil Engineering
 Director of INSPIRE University Transportation Center (UTC)
 Director of the Center for Intelligent Infrastructure (CII)
 Missouri University of Science and Technology (S&T)
 Southeast University, China, 07/26/2021; Email: gchen@mst.edu

Genda Chen

志愿者-王浩琛-东南...

志愿者-韩怡天-东南...

冯东明

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取消锁定













Genda Chen 的屏幕

Genda Chen

志愿者-王浩琛-东南...

志愿者-韩怡天-东南...

冯东明

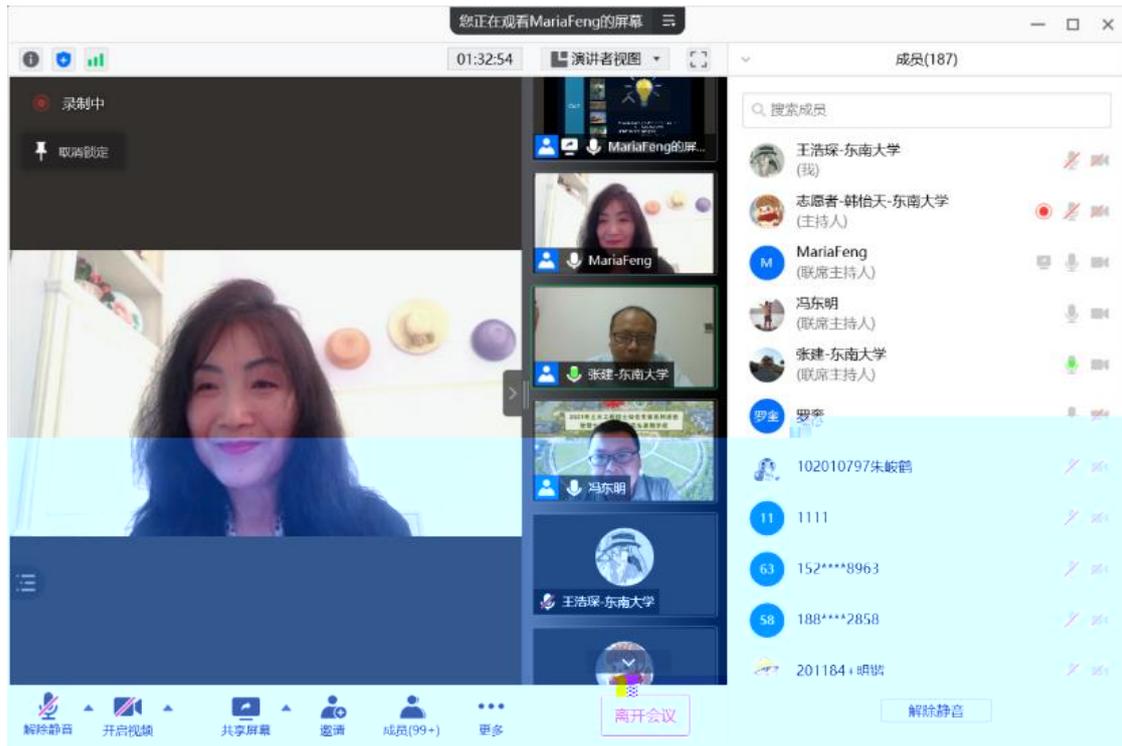
离开会议

Genda Chen

Robot-assisted Bridge

Inspection and Maintenance



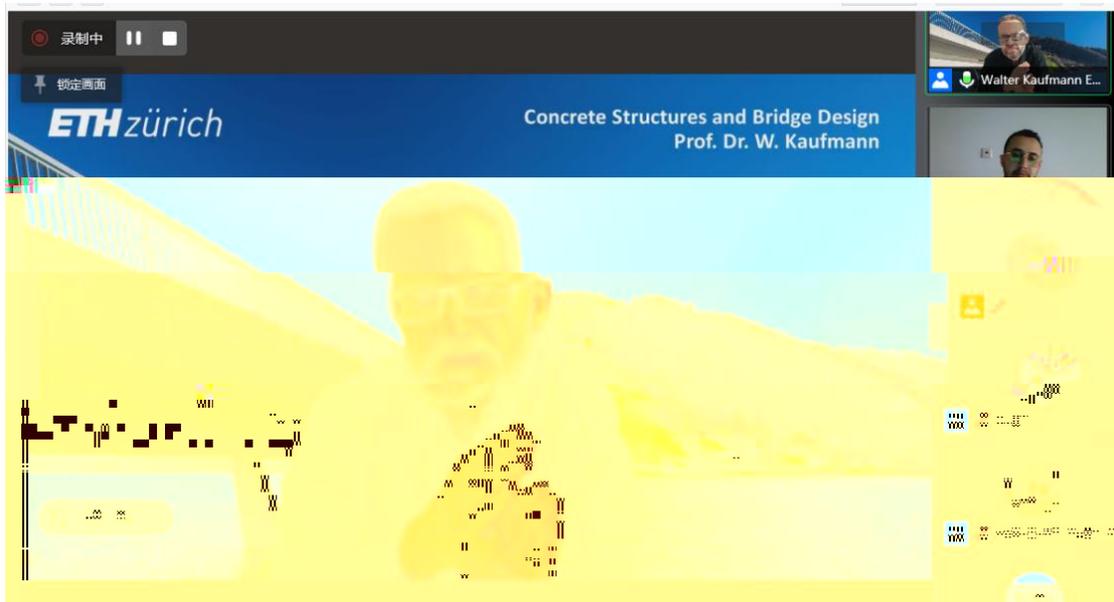
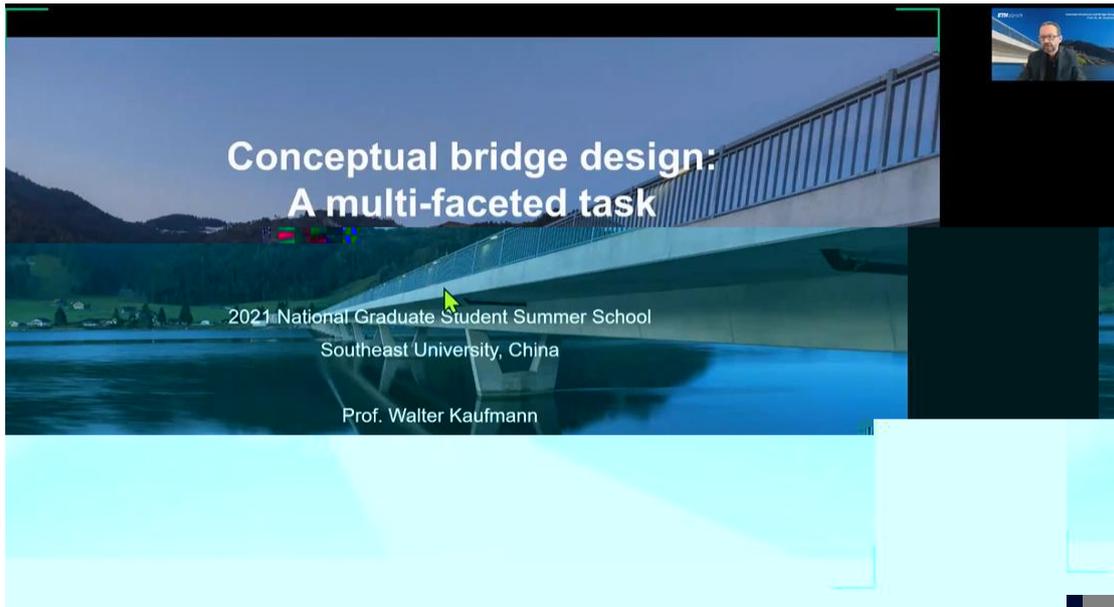


Maria Q. Feng

-Enhanced

(SHM)

APP



Walter Kaufmann
bridge design: A multi-faceted task

Conceptual
Kaufmann

Kaufmann

Kaufmann

D

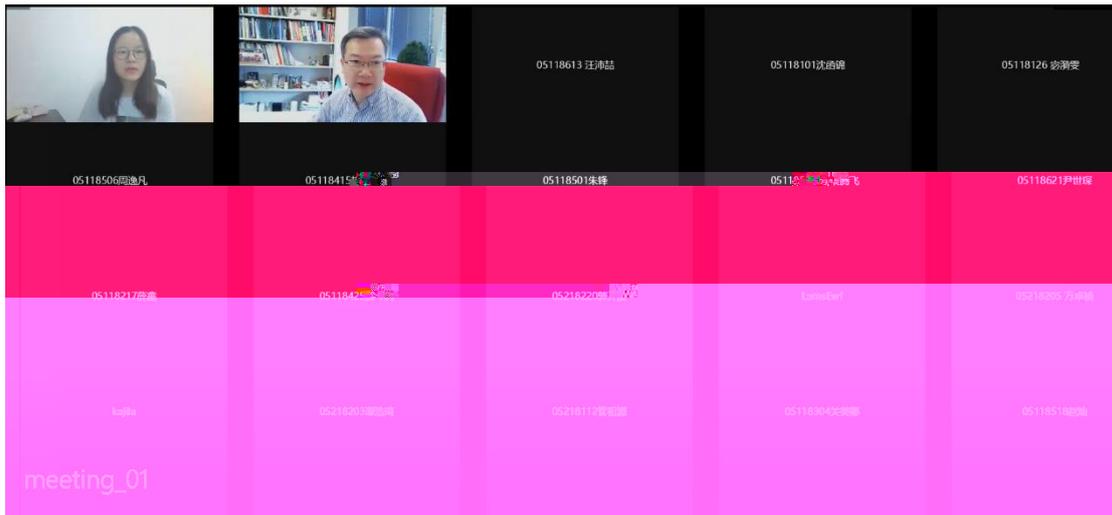


I H I I I V I ct I VI V V E I

ASCE Urban Planning and Development

Date	Time	Topic
7.31	08:30-12:00	Intro to RE Economics
	14:00-17:00	
8.2	08:30-12:00	RE Market Analysis
	14:00-17:00	
8.3	08:30-12:00	Government Intervention
	14:00-17:00	
8.4	08:30-12:00	Government Policy and Reform
	14:00-17:00	
8.5	08:30-12:00	Economic Analysis of Urban Issues
	14:00-17:00	

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide for Prof. Eddie C.M. HUI, MH, JP, Associate Head (Partnership) at the Faculty of Construction and Environment, The Hong Kong Polytechnic University. The slide includes his contact information: phone numbers 276744 and 182 2765 5161, email eddie.hui@polyu.edu.hk, and ORCID and Scopus IDs. The Zoom sidebar on the right lists participants: Eddie Hui (video on), 夏婉妮 (video on), 05118613 汪沛茹 (video on), 函锦 (video on), 05118101 沈國錦 (video on), and 05118126 翁瀟莹 (video on). The top left of the Zoom window shows a recording icon and the text '录制中' (Recording).



腾讯会议

录制中

Government Intervention

Three key issues

1. Rationale*
2. Techniques

*Refer to Appendix I in lecture 4 notes



EddieHui的屏幕共享

EddieHui

周婉琪

05118520李瑞扬

05118613任杰超

05118423王瑞峰

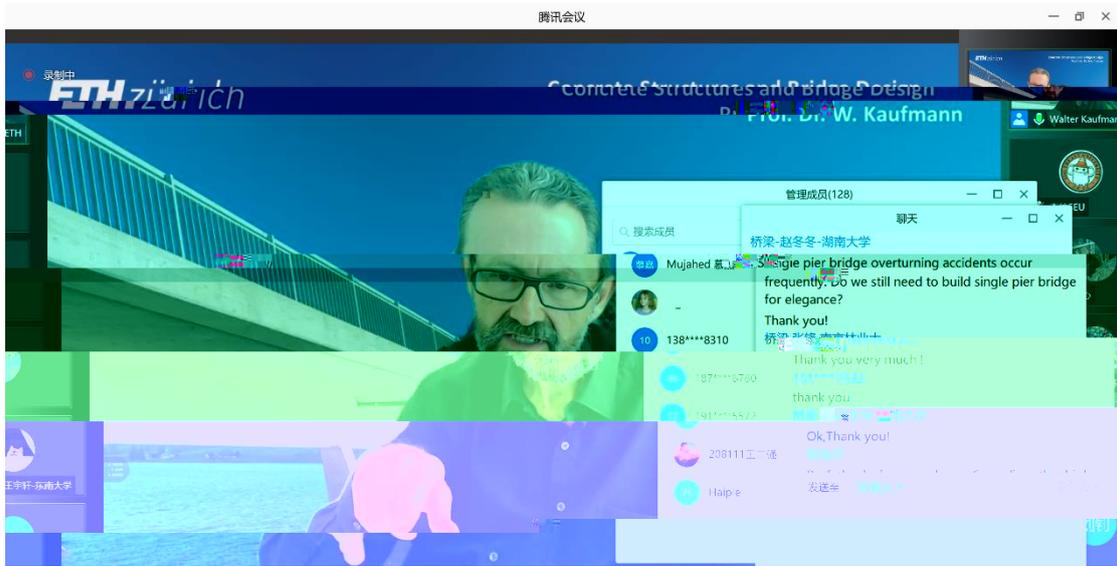
05118604

Real Estate Market Study



- The study of the processes and patterns of real estate/real market activities





EddieHui

What are the functions of the RE market?

05118101沈函锦

to provide accomodations for people in need

05118603高伟杰

Exchange resource of land

05118502孟宇昕

to show the change of demand?

05118506周逸凡

promote economic development

冷欣泽

provide employment

05118620 徐浩文

facilitates RE deal

05118205蔡靖东

One of the leading indicators for the macro economy