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CNERC Annual Technical Symposium 2020 **2020.06.12**

The first CNERC Annual Technical Symposium was held on 12 June 2020, and it was completed fruitfully with the support of all its participating research personnel.

The CNERC Annual Technical Symposium 2020 is the first technical symposium organized by the CNERC to promote technological development and exchanges among researchers of CNERC projects. Principal investigators of all the CNERC research projects are invited to share and exchange technical information of their projects. As of today, there are more than 20 research projects funded by the CNERC with over 50 research personnel affiliated to the CNERC.

In order to encourage young researchers' participation, a Young Researchers Competition was held to reward outstanding young researchers of the projects.

It is our pleasure to have Ir Prof. Ben Young, the Vice President (Student and International Affairs), The Hong Kong Polytechnic University, as the Officiating Guest, and Ir Dr. Richard Pang, Director of Industry Development, Construction Industry Council as the Honorable Judge for our Symposium.

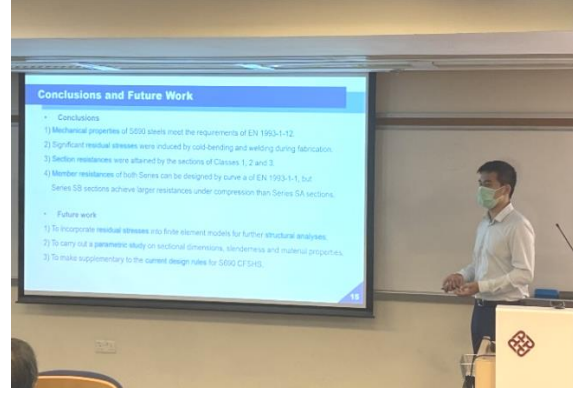


From left: Dr. T. M. Chan, Ir Prof. Ben Young, Ir Prof. K. F. Chung, Ir Dr. Richard Pang

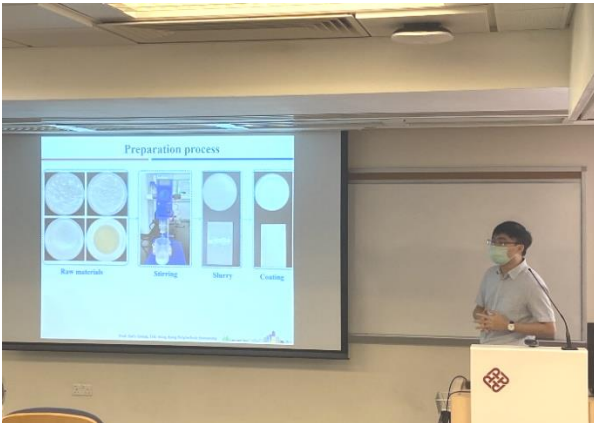
Among the 20+ research projects and over 50 affiliated research personnel funded by the CNERC in 2019/20, an overwhelming response on nominations were received. Out of 24 nominations, 12 presenters have been shortlisted for presentation at the Symposium. It is evident that many of the presenters are well prepared, and their presentations are well organized to convey key findings of the research projects.



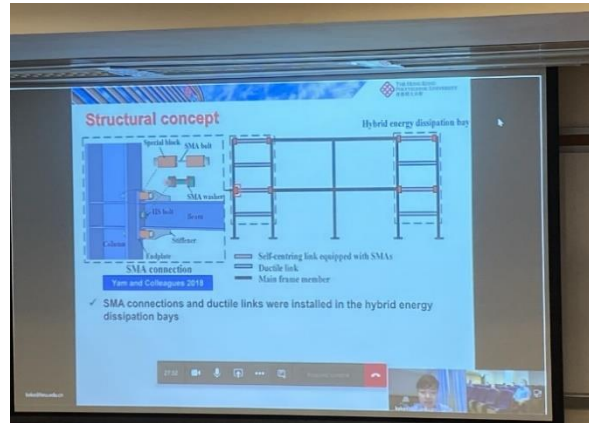
Mr. Junbo CHEN, Research Associate (CEE) gave a presentation on “Experimental investigation into stub column behaviour of high strength steel octagonal hollow sections”.



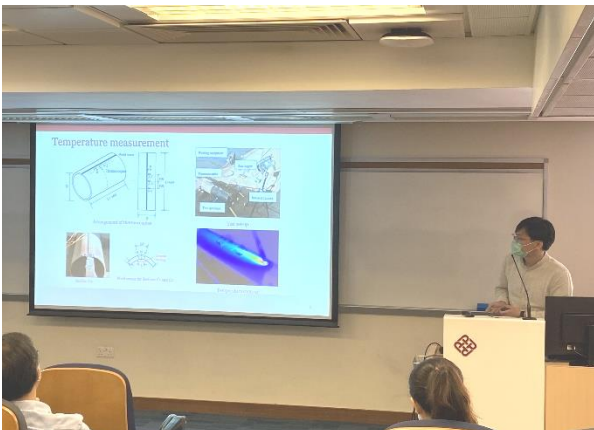
Mr. Meng XIAO, Research Associate (CEE) gave a presentation on “Experimental-numerical investigation into S690 cold-formed square hollow sections”.



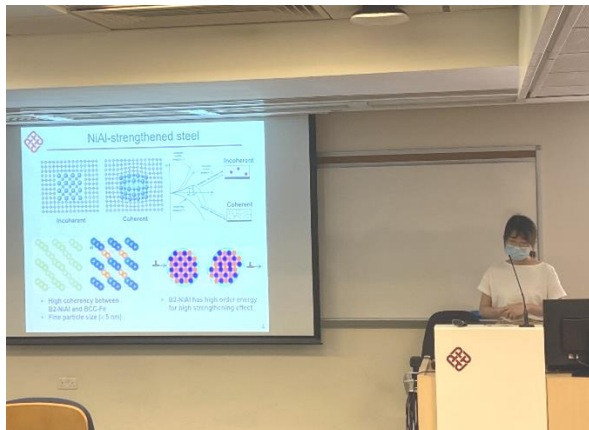
Dr. Xiao XUE, Research Fellow (CEE) gave a presentation on “Reduced graphene oxide-geopolymer coating for enhancement of corrosion resistance”.



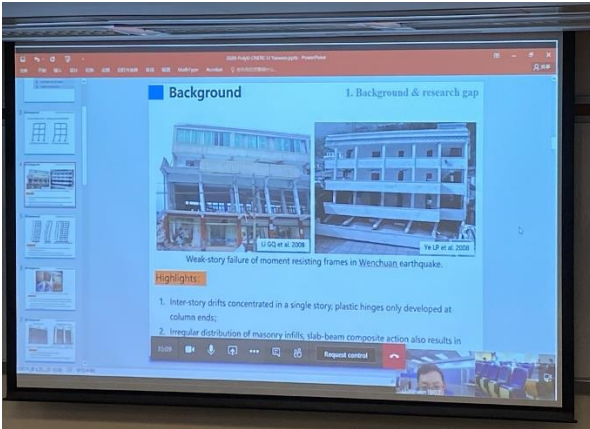
Dr. Ke KE, Postdoctoral Fellow (BRE) gave a presentation on “Partially self-centring steel frames equipped with SMA connections and ductile links subjected to near-field earthquake motions: A spectral energy factor model”.



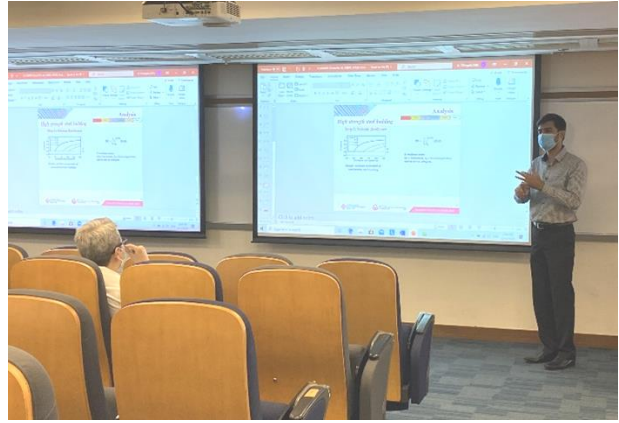
Dr. Yifei HU, Postdoctoral Fellow (CEE) gave a presentation on “Residual stresses in high strength S690 steel cold-formed circular hollow sections”.



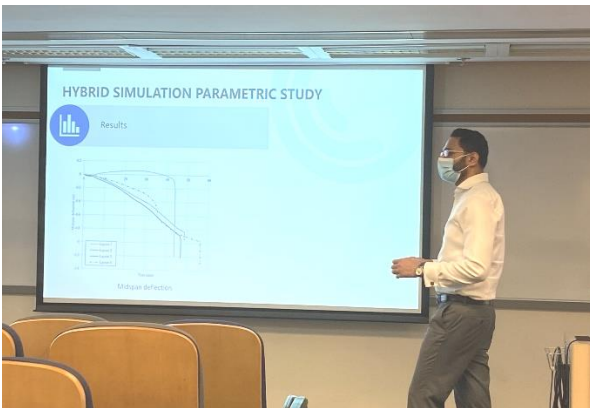
Miss Bingchen ZHOU, PhD Student (ME) gave a presentation on “Effects of Cu on the nanostructure and mechanical properties of high strength steels”.



Dr. Yanwen LI, Postdoctoral Fellow (BRE) gave a presentation on “A study of energy-dissipative rocking columns with nitinol shape memory alloy tension brace subject to cyclic loading”.



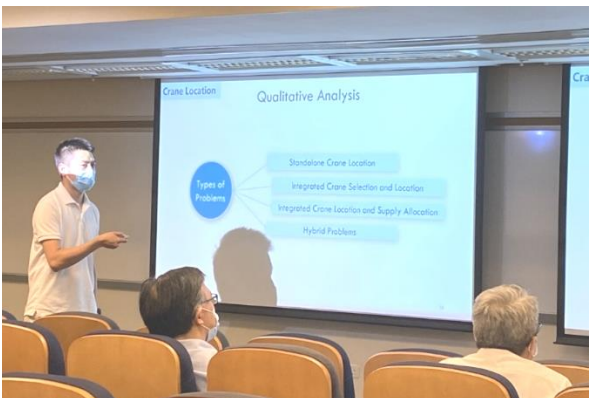
Mr. Ghazanfar Ali ANWAR, PhD Student (CEE) gave a presentation on “Seismic performance and resilience of steel buildings by using high strength steel”.



Dr. Mustesin Ali KHAN, Research Assistant Professor (BSE) gave a presentation on “Hybrid simulation of structures exposed to fire”.



Dr. Xuanding WANG, Postdoctoral Fellow (CEE) gave a presentation on “Study on prefabricated composite bridge girder using high strength steel”.



Mr. Dong WANG, PhD Student (BRE) gave a presentation on “A comprehensive study on crane selection and site location models for MiC”.

After a rigorous discussion among members of the Judging Panel including Ir Dr. Richard Pang, the following were selected as winners of the Young Researchers Competition:

CNERC Outstanding Young Researcher Awards 2020

Dr. Ke KE, Department of Building and Real Estate

Dr. Mustesin Ali KHAN, Department of Building Services Engineering

CNERC Young Researcher Awards

Mr. Junbo CHEN, Department of Civil and Environmental Engineering

Dr. Yifei HU, Department of Civil and Environmental Engineering

Mr. Meng XIAO, Department of Civil and Environmental Engineering

Miss Bingchen ZHOU, Department of Mechanical Engineering

CNERC Young Researcher Merit Awards

Mr. Ali Ghazanfar ANWAR, Department of Civil and Environmental Engineering

Dr. Yanwen LI, Department of Building and Real Estate

Dr. Salman TARIQ and Mr. Dong WANG, Department of Building and Real Estate

Dr. Xuanding WANG, Department of Civil and Environmental Engineering

Dr. Xiao XUE, Department of Civil and Environmental Engineering