

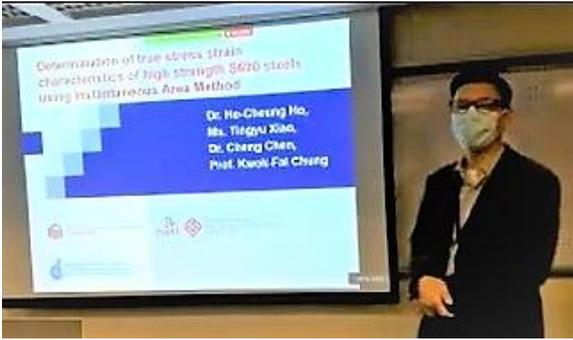
CNERC Research Seminar 2020 2020.12.02

On 2 December 2020, CNERC has organized a “CNERC Research Seminar 2020” across departments as a platform for academics and researchers to share and discuss their research findings and achievement.

The Seminar was held through ZOOM meeting due to the increase severity of the recent pandemic situation, and there was over 60 participants both online and at the venue attended the event.

Programme:

Time	Presentation Title	Speaker
2:00 p.m. – 2:25 p.m.	Determination of a full range constitutive model for high strength S690 steels with damage evolution	Dr. H. C. HO, Research Assistant Professor (CEE)
2:25 p.m. – 2:50 p.m.	Managing risks in modular integrated construction projects: The role of building information modelling	Dr. Amos DARKO, Research Assistant Professor (BRE)
2:50 p.m. – 3:15 p.m.	Real-time forecasting of thermal field induced by a fire in tunnels using deep learning algorithms	Dr. Xiqiang WU, Research Assistant Professor (BSE)
3:15 p.m. – 3:30 p.m.	<i>Break</i>	
3:30 p.m. – 3:55 p.m.	Static behavior of innovative composite shear connectors used in the prefabricated bridge girder	Dr. Xuanding WANG, Postdoctoral Fellow (CEE)
3:55 p.m. – 4:20 p.m.	A simplified approach for the collapse assessment of steel framed-structures	Dr. Jingzhou ZHANG, Postdoctoral Fellow (BRE)
4:20 p.m. – 4:45 p.m.	Effect of welding residual stress on behaviour of high strength steel tubular T-joints	Dr. Yifei HU, Postdoctoral Fellow (CEE)
4:45 p.m. – 5:10 p.m.	Development of constitutive model with ductile fracture for S960 UHSS	Dr. Cheng CHEN, Postdoctoral Fellow (CEE)



Dr. H. C. HO gave a presentation on “Determination of a full range constitutive model for high strength S690 steels with damage evolution”.



Dr. Amos DARKO gave a presentation on “Managing risks in modular integrated construction projects: The role of building information modelling”.



Dr. Xiqiang WU gave a presentation on “Real-time forecasting of thermal field induced by a fire in tunnels using deep learning algorithms”.



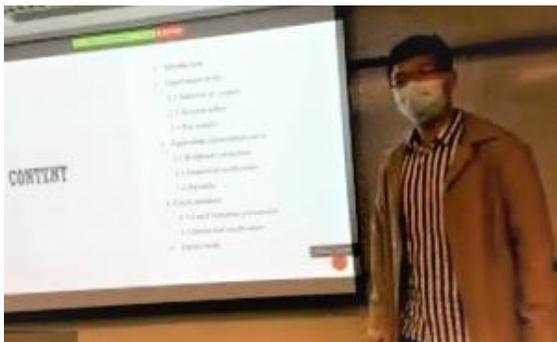
Dr. Xuanding WANG gave a presentation on “Static behavior of innovative composite shear connectors used in the prefabricated bridge girder”.



Dr. Jingzhou ZHANG gave a presentation on “A simplified approach for the collapse assessment of steel framed-structures”.



Dr. Yifei HU gave a presentation on “Effect of welding residual stress on behaviour of high strength steel tubular T-joints”.



Dr. Cheng CHEN gave a presentation on “Development of constitutive model with ductile fracture for S960 UHSS”.