

‘A remote measurement and mapping technique for orderly rapid aggregation of building stock geometry’

Date: Tuesday 22nd November 2016

Time: 7:00 PM (Tea/Coffee from 6:30 PM)

Venue: Rochestown Park Hotel

Speaker: Mr. James Pittam

Synopsis: Traditional surveying of building façades through direct measurement are time consuming and expensive to carry out. Replacing direct measurement methods with a remote method allows for the rapid extraction of façade information. The aim of this research is to remove the need for physical site surveys and to develop a Remote Cataloguing, Measurement and Mapping method to extract façade and roof geometry data to support the construction of detailed 2-D AutoCAD drawings and Sketch-up 3-D models. The RCMM uses photogrammetric techniques through the use of static panoramic viewports from Google Street View© and aerial spot images from Google Earth©.

About The Speaker



Mr. James Pittam currently works as a researcher at the zero 2020 testbed in CIT (nZEB). He completed his PhD research at MeSSO (messso.cit.ie) developing remote cataloguing and measurement techniques for the disaggregation of the local authority housing stock into representative archetypes to facilitate large scale thermal modelling. Prior to CIT James worked in industry as a passive house consultant for WainMorehead Architects, while carrying out an MSc in Passive house retrofit and is certified as a Passive House Designer. He has an excellent understanding of the structural composition of existing buildings due to extensive experience in the construction industry.

Fee/ Booking: Admission is free.
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