

Continuing Professional Development Workshop

3 November 2023, 9.30 am to 12.30 pm

3D MODELLING AND DIGITAL TWINS FOR CONDITION ASSESSMENT AND MONITORING

Workshop Background and Objectives

The workshop will present information on the European Commission funded INCEPTION project 'Inclusive Cultural Heritage in Europe through 3D Semantic Modelling' and the results of the project which enable 3D Modelling and Digital Twins for Condition Assessment and Monitoring. The results led to a start up company of the same name which offers consultancy and training in Europe and the region.

The workshop seeks to introduce the project and the training available to advance Condition Assessment and Monitoring processes and documentation in connection.

Programme

1. The Inception Project: Objectives and Results in the field of condition assessment and monitoring
2. Digital twin and BIM models for condition assessment and condition monitoring and for determining maintenance requirements
3. 3D capturing techniques: condition survey with Laser Scanning and photogrammetry
4. Multispectral Modelling for condition analysis
5. Enrichment of 3D models with metadata on condition assessment and maintenance actions
6. Automatic remote condition assessment

Mode of Delivery of Presentations

Slides, videos and connection to the Inception Platform of topics to be covered in training courses including course content, teaching methods and skills which will be acquired.

Workshop Date and Time

Friday: 3 November
9.30 am to 12.30 pm. Registration starts at 9.00 am

Workshop Fees

Free

Workshop Venue

Unit #04-08, Devan Nair Institute for Employment & Employability
80 Jurong East St 21, Singapore 609607

Enquiries and Registrations

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- ❖ *Upholding a Standard of Excellence in Asset Life Cycle Management and Value Chain Integration*
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