

# THE INSTITUTION OF ENGINEERS, MALAYSIA

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Reality Modeling Workflow (1hr)

- Integrate reality modeling with BIM
- Case Study Example Road and Tunnel Design
- Case Study Example Construction Progress Monitoring

design applications. This integration enables detailed design
Modeling with standard Bentley design tools directly within the context of the reality meshes without requiring any translation or transformation. Further, the reality meshes can be edited in a variety of ways to suit a specific use case.
All the standard deliverables can be directly created from the

the Bentley modeling tools, such as MicroStation and the many

# All the standard deliverables can be directly created from these integrated models, e.g., 2D drawings, 3D PDFs, renderings, animations, 3D prints.

The reality meshes can be exported into many industry standard formats, e.g., .obj, .fbx, etc., to be used by other non-Bentley applications.

This unique characteristic of the Bentley reality modeling toolset makes possible a broad range of opportunities:

- Design in context
- Interactive inspection
- Construction monitoring/status
- Environmental analysis
- Safety and security analysis

Join us for a short introduction on how reality modeling will benefit your projects and increase your design effectiveness and delivery.

# **BIODATA OF SPEAKER**

#### 1. Mr. Jeremy Cordeiro, Product Consultant – Reality Modelling, Bentley Systems

Having spent 20 years, I the field of computer graphics and 3D production, Jeremy has provided technological solutions to the VFX, Games and 3D Animation Industries in Singapore Malaysia and Indonesia. Learning what he has in those fields, he is now working with Bentley Systems in providing valuable insights in reality modeling and how photogrammetry is allowing infrastructure companies gain a better understanding of the actual sites they are developing.

#### 2. Mr. Orven Fajardo, Consultant – Design Modeling, Bentley Systems

Orven Fajardo is a Civil Engineer who focused his career on Building Information Modeling. With more than 8 years in the civil industry, he has been working closely with various regional authorities to pave the way for a unified BIM approach for various projects like MRT stations and its tunnels while leveraging on Bentley BIM solutions.

### Ir. Chai Chen Sing

Chairman, Information and Communications Technology Special Interest Group, IEM

## Ir. Richard Wong Fun Chuen

Chairman, Highway and Transportation Engineering Technical Division, IEM

CPD HOURS CONFIRMATION

Name: ..... Membership No: .....

Signature: .....