

## SISV Seminar BIM WORKFLOW / WORKING SMART

SISV Training Room  
110 Middle Road #09-00 Chiat Hong Building  
**Saturday, 23 August 2014, 9am-1pm**

### Program

8.30am	Registration
8.50am	<b>Opening</b> by Dr Tor Yam Khoo
9.05am	<b>Increase Efficiency and Accuracy with Point Cloud &amp; Reality Capture</b> by Autodesk
9.50am	<b>Using Survey Information to create Intelligent Site Models</b> by Autodesk
10.40am	Tea Break
11.05am	<b>Collaborative Workflow for Site Development and BIM</b> by Autodesk
11.50am	Q&A
12.00pm	<b>Cutting Edge Construction Surveying</b> by Mr Graham Wirth
12.50pm	Q&A
1.00pm	End of Seminar

### Fees/Category (incl. GST and light refreshment)

\$20.00	– Student Members
\$40.00	– Tech. Members
\$60.00	– SISV Fellows / Members
\$70.00	– SISV Probationers & Staff of member firms
\$90.00	– Non-member

**A \$10 surcharge will apply to any registration received after the closing date.**

Closing date for registration: *Wednesday, 20 Aug 2014*

**CPD Credit:** 3 Units under survey related activity (A2)  
(Applicable to LS members and Registered Surveyor)



Land Surveying Division

## Synopsis

**Topic 1:** *Increase efficiency and accuracy of capturing as-built site conditions with Point Cloud and Reality Capture*

Using 3D laser Scanners and Autodesk ReCap software, existing site and building conditions can be accurately captured in 3D using point cloud format. This 3D point cloud models contain accurate coordinate information that can be measured any time. The point clouds data can also be integrated into BIM models and CAD design environments for analysis and design.

**Topic 2:** *Using Survey information to create Intelligent Site Models*

Using simple yet effective workflows that enable users to create data-rich intelligent models. Participants will learn how to use purpose-built BIM tools to easily create Surface models that can be analyzed and documented. These intelligent models can aid in creating better base plans and can also be used in a more streamlined and information-driven design workflow.

**Topic 3:** *Collaborative workflows for Site Development and Building Information Models*

Get more from your Intelligent Site Surface models and Building information models. Collaborative functionality in AutoCAD Civil 3D and Revit will allow participants to gain a better understanding of how Building Information Models relate to Site Surface Models. This enables a smarter way of designing the project as a whole.

**Topic 4:** *Cutting Edge Construction Surveying*

The Surveyor's role has evolved and Electronic Survey Data and Digital 3D Civil Designs have grown exponentially in recent years. The presentation showcases the latest in Tablet PC's and its marriage to software offering future proofed solutions such as the Tablet PC based office to Field file management, combined with graphically enhanced software for capture and set out. Surveyors can now manage data as never before seamlessly from office to the field.

## About the Speakers

**Mr Siva Thankappan:** Senior Technical Specialist for AEC, Autodesk

Mr Thankappan has more than 17 years of experience in the engineering industry, covering consulting, technical sales and implementation; and has accomplished many projects in APAC. He is responsible for pre-sales consultancy and support for Autodesk BIM for Construction and Plant solutions, across ASEAN. He holds a degree in Mechanical Engineering from Calicut University, India.

**Mr Noah Arles:** Senior Applications Consultant – Civil & Structural Solutions, Autodesk (ASEAN)

Mr Arles has been using various 3D CAD technologies since the start of his career as a Licensed Civil Engineer. He is currently involved in configuring solutions and implementing Autodesk Civil Engineering solutions for commercial and government customers. Prior to this, Noah has worked for various engineering and consulting firms and has been involved in projects which include Structural Engineering, Site Development, Roads, Utilities.

**Mr Graham Wirth:** Product Sales and Marketing Manager, 12d Field

Mr Wirth has 35 years of experience in the civil construction industry, with past stints as the Chief Surveyor for Abigroup Contracting, Survey Manager for Boulderstone Hornibrook and Australasian manager for Leica Geosystems. This enables him to assist companies with Digital Infrastructure Design tools, Surveying Software and Project management solutions to improve their productivity, position management and quality.



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**Notes**

Registration is on a first-come-first-served basis. **Confirmation of registration will be given via email** . No cancellation is allowed once registration is confirmed.

**A \$10 surcharge will apply to all registrations received after the closing date.**

Fees paid are not refundable under all circumstances. This will also apply to participants who are unable to attend on that day. However, replacement by another individual is allowed and notification must be made in writing at least 3 day before the event. In the case of a non-member replacing a member, the non-member will have to pay the fee difference.

The Organiser reserves the right to alter the programme or cancel the event as may be necessary. Every effort will be made to inform participants. However, in the event of cancellation, full refund will be made to participants.

For enquiries, contact:

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☎ **6222 3030** ☎ 6225 2453 <http://www.sisv.org.sg>

**REGISTRATION FORM**

Name of Participants

	Name	Category*	Email Address	Amt S\$
1				
2				
3				
4				
<b>TOTAL AMOUNT PAYABLE S\$</b>				

\*Category – please state SISV / MemFirm / NM

Company .....

Address ..... S( )

Tel ..... Contact Person .....

Fax ..... Email .....

**PAYMENT MODE**

(please tick one box only)

By cheque (Bank/Cheque No ..... Amt S\$.....)  
Crossed cheque payable to “**Singapore Institute of Surveyors and Valuers**”. Please indicate your name, company and date of event on the back of the cheque.

To send invoice to company

**FOR OFFICIAL USE**

Seminar No.: SISV-LS#11

Receipt No.....