



3D Laser Scanning for the Built Environment

Methods and Applications: A 1 Day Workshop

Wednesday 14 May 2008, Design Centre,
University of Birmingham

What will you learn from this Event?

An opportunity to learn about the benefits, features and applications of 3D Laser Scanning for Surveying and Data Capture

How you can integrate traditional 2D/3D packages into laser scan survey data

Use of 3D Laser Scanning for deformation analysis in Buildings and the "Right to Light"

Who should attend?

Architects and Surveyors

Companies involved in Construction, Built Environment, Heritage, Landscapes and Buildings Reconstruction/Restoration

Please register online at www.vin.bham.ac.uk

Or email scanning@vin.bham.ac.uk or contact 0121 414 5070

- 09:00 - 09:30** *Registration*
- 09:30 - 09:45** *Introduction (VIN technology services™)*
- 09:45 - 10:15** *Laser Scanning: Moving to a Full Visual Environment*
(Introduction to scanner development, types, and potential)
Michael Lobb (VISTA, Birmingham Archaeology, University of Birmingham)
- 10:15 - 11:00** *The World According to Scanners*
(Laser scanning vs. traditional survey, myth busting, and application overview)
Duncan Lees (Plowman Craven Associates 3D)
- 11:00 - 11:15** *Refreshments*
- 11:15 - 11:45** *Flow and Integration: Making the Ends Meet*
(Integration of laser scan survey data with traditional 2D/3D survey packages. CAD, Autodesk Viz/Revit, COE transfer)
Steve Ramsey (LEICA Geosystems)
- 11:45 - 12:15** *Spotting the Difference: Deformation Analysis in the Built Environment*
(Stone work difference analysis for Heritage management and monitoring)
Michael Lobb/Eamonn Baldwin (VISTA, Birmingham Archaeology, University of Birmingham)
- 12:15 - 12:45** *The Right to Light: Defining the Real World Future*
(Full 3D environments and multi survey integration for future modelling and right to light analysis)
Duncan Lees (Plowman Craven Associates 3D)
- 12:45 - 14:00** *Networking Lunch (Sponsored by LEICA Geosystems)*
- 14:00 - 15:30** *Live demonstrations, case studies, hands-on opportunities, "ask the experts Q&A"*