

1. Record Nr.	UNINA9910787860103321
Titolo	High definition : zero tolerance in design and production // guest-edited by Bob Sheil
Pubbl/distr/stampa	London, [England] : , : John Wiley & Sons, , 2014 ©2014
ISBN	1-118-86097-7
Descrizione fisica	1 online resource (140 p.)
Collana	Architectural Design, , 0003-8504 ; ; 227
Disciplina	720.28402855369
Soggetti	Architectural design - Computer-aided design Architectural design - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Cover; Title Page; Contents; Copyright Page; EDITORIAL; ABOUT THE GUEST-EDITOR; INTRODUCTION High Definition: Negotiating Zero Tolerance; The Digital Generation; Acts of Deception; High Definition; Negotiating Zero Tolerance; Fabricating the Real; Notes; Digital Doppelgangers: Future Scanscapes; The Ultra Survey; Forensic Vision; Measure on a Landscape Scale; Digital Memories; Noise and the LAB; Copy/Paste; Slow Life Scanning; Frozen Relic; Future Scanscapes; Arraying Territories: Remote Sensing and Escalation in the North; A New Landscape of Agencies Remote Sensing: A New Technology of Borders Escalation; A New Architecture; Tracking, Tagging and Scanning the City; Social Networks; Urban Data and the Internet of Things; Smart Citizens; Notes; What We Want Is in That Room; The Aesthetic of Precision; Everything Ends in Chaos; Under Black Carpets; The Physics of Power; Notes; Drawing into the Cloud; Islands of Vision; What the Scanner Sees; Notes; Landschaft: Revisiting The Journey and Drive-In House; LANDSCHAFT2; THE JOURNEY; PARTIAL TABLE OF VELOCITIES; DRIVE-IN HOUSE; NEW JERSEY AS A LINEAR STRIP OF LAND EITHER SIDE OF A HIGH-SPEED ROAD Notes Tripping the Flight Fantastic: Slipstream, Terminal 2, Heathrow Airport; A Rhythm In Four Dimensions; Structuring the Slipstream; Gehry Partners' Fondation Louis Vuitton: Crowdsourcing Embedded Intelligence; Implicit Material Optimisations; Crowdsourcing High

Precision; Diffusive Thermal Architecture: New Work from the Hylozoic Series; Air, Gas, Fluids; Thermography Reveals Subtle Dimensions; Diffusive Form-Language; Reticulated Grottos; Notes; Animating Architecture: Coupling High-Definition Sensing with High-Definition Actuation; Fearful Symmetry; Notes; Impossible Objects; Notes To the Micron: A New Architecture Through High-Resolution Multi-Scalar Design and Manufacturing Note; 4D Printing: Multi-Material Shape Change; MULTI-MATERIAL SHAPE CHANGE; 4D Printing; New Physical/Digital Toolsets; Future Applications; Notes; Soft Tolerance: An Approach for Additive Construction on Site; Note; COUNTERPOINT Why We Need Architecture of Tolerance; Tolerances Are Everywhere; Design Tolerances and Tolerance of Use; Precision Matters, But Absolute Precision is Inconsequential; Notes; CONTRIBUTORS; ABOUT ARCHITECTURAL DESIGN

Sommario/riassunto

A pioneering title, High Definition explores the onslaught of new and highly accurate digital metrology tools in large- and small-scale 3-D scanning and 3-D modelling. Capable of measuring space to an accuracy of less than 1 mm, these tools offer unprecedented precision for the development and interrogation of design before, during and post production. Over the last decade or so, the array of designers' digital tools to propose and make their ideas have evolved significantly, but the absence of high-accuracy, zero-tolerance design production has often remained the missing piece betwe
