Contents

1 Good Practice in Archaeological Diagnostics: An Introduction ................................. 1
Cristina Corsi

Part I Remote Sensing

2 Aerial Photography in Archaeology ................................................................. 11
Giuseppe Ceraudo

3 Undistorting the Past: New Techniques for Orthorectification of Archaeological Aerial Frame Imagery ................................. 31
Geert Verhoeven, Christopher Sevara, Wilfried Karel, Camillo Ressl, Michael Doneus, and Christian Briese

4 Roman Urban Survey: The Mapping and Monitoring of Complex Settlement Sites with Active Aerial Photography ................................................................. 69
Frank Vermeulen

5 Integrated Approach for Archaeological Prospection Exploiting Airborne Hyperspectral Remote Sensing ................................. 87
Rosa Maria Cavalli

6 Skin Deep: LiDAR and Good Practice of Landscape Archaeology ................................. 113
Dimitrij Mlekuž

Part II Geophysics

7 Magnetic Exploration of Archaeological Sites .................................................. 133
Bruce W. Bevan and Tatiana N. Smekalova

Cèsar Carreras Monfort

9 Ground-Penetrating Radar (GPR) .................................................. 165
Alexandre Novo
10 Interpretation and Guidelines for Reporting ............. 177
    Cornelius Meyer

Part III Topographic and Geoarchaeological Surveys

11 Intra-site Artefact Surveys. 193
    John Bintliff

12 Site Discovery and Evaluation Through Minimal
    Interventions: Core Sampling, Test Pits
    and Trial Trenches 209
    Philip Verhagen

13 Creating and Analysing
    Digital Terrain Models for Archaeological Research 227
    José-Ángel Martínez-del-Pozo, Victorino Mayoral-Herrera,
    and Pedro Ortiz-Coder

14 The Geoarchaeological Approach 245
    Eric Fouache

Part IV Visualisation and Site Management

15 Implementing Best Practice in Cultural Heritage
    Visualisation: The London Charter 255
    Hugh Denard

16 International Guidelines for Virtual Archaeology:
    The Seville Principles 269
    Víctor Manuel López-Menchero Bendicho

17 Reconstructing Past Landscapes for Virtual Museums 285
    Ivana Cerato and Sofia Pescarin

18 Computer-Aided 3D Visualisation of Roman Towns 297
    Michael Klein

19 Preservation of Virtual Reconstructions 309
    Daniel Pletinckx

20 Best Practises for a Sustainable Management Plan:
    The Case Study Ammaia in the European Context 315
    Sigrid M. van Roode

Part V Conclusions

21 Conclusions 331
    Simon Keay

Index 339
Good Practice in Archaeological Diagnostics
Non-invasive Survey of Complex Archaeological Sites
Corsi, C.; Slapšak, B.; Vermeulen, F. (Eds.)
2013, VI, 347 p. 132 illus., 95 illus. in color., Hardcover
ISBN: 978-3-319-01783-9