

PALATIUM e-Publication 3

Virtual Palaces, Part II Lost Palaces and their Afterlife

Virtual Reconstruction between
Science and Media

Edited by
Stephan Hoppe & Stefan Breitling

With the assistance of
Heike Messemer

PALATIUM
München 2016

Contents

| | |
|--|-----|
| Acknowledgements <i>Stephan Hoppe, Stefan Breitling</i> | 7 |
| Preface <i>Krista De Jonge</i> | 9 |
| Virtual Palaces, Digital Images – an Introduction <i>Stephan Hoppe, Stefan Breitling</i> | 11 |
| The Beginnings of Digital Visualization of Historical Architecture in the Academic Field <i>Heike Messemer</i> | 21 |
| Virtual Reconstructions and Building Archaeology in Bohemia. A Digital Model of the 14th-Century House U zvonu ('Zur Glocke' / 'At the Sign of the Bell') in Prague <i>Michael Rykl</i> | 55 |
| 3D Reconstruction of Cultural Heritage Artifacts. A Literature Based Survey of Recent Projects and Workflows <i>Sander Münster, Thomas Köhler</i> | 87 |
| Visualisation of Uncertainty in Archaeological Reconstructions <i>Dominik Lengyel, Catherine Toulouse</i> | 103 |
| Sharpness Versus Uncertainty in 'Complete Models'. Virtual Reconstructions of the Dresden Castle in 1678 <i>Marc Grellert, Franziska Haas</i> | 119 |
| A Review of Sources for Visualising the Royal Palace of Angkor, Cambodia, in the 13th Century <i>Tom Chandler, Martin Polkinghorne</i> | 149 |
| Medieval Castles and their Landscape. A Case Study towards Historic Reconstruction <i>Olaf Wagener, Christian Seitz, Sven Havemann</i> | 171 |

| | |
|---|-----|
| Building Knowledge Spaces. Scientific Reconstruction and Modeling of the Medieval City of Bamberg <i>Stefan Breitling, Martin Buba, Jan Fuhrmann</i> | 201 |
| Virtually Rebuilding the Palace of Vila Viçosa in Portugal. From the Present to the Time of D. Teodósio I (16th Century) <i>Ana Catarina G. Lopes</i> | 209 |
| Visualizations of Rubens's Palazzos of the 17th Century in the Antwerp 'Nieuwstadt' <i>Piet Lombaerde, Marc Muylle</i> | 221 |
| City & Spectacle: A Vision of Lisbon Before the 1755 Great Earthquake <i>Alexandra Gago da Câmara, Helena Murteira, Paulo Rodrigues</i> | 245 |
| Back to the Future. Visualizing the Planning and Building of the Dresden Zwinger from the 18th until the 19th Century <i>Peter Heinrich Jahn, Markus Wacker, Dirk Welich</i> | 267 |
| List of Contributors | 303 |