Augmented Reality and Artificial Intelligence in Cultural Heritage and Innovative Design Domain

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REPRESENTATION CHALLENGES

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Augmented Reality (AR) and Artificial Intelligence (AI) are technological domains that closely interact with space at architectural and urban scale in the broader ambits of cultural heritage and innovative design. The growing interest is perceivable in many fields of knowledge, supported by the rapid development and advancement of theory and application, software and devices, fueling a perva-

sive phenomenon within our daily lives. These technologies demonstrate to be best exploited when their application and other information and communication technology (ICT) advancements achieve a continuum. In particular, AR defines an alternative path to observe, analyze and communicate space and artifacts.

Besides, Al opens future scenarios in data processing, redefining the relation-

In the last few years, the AR/AI expansion and relationship have raised deep trans-disciplinary speculation. The research experiences have shown many cross-relations in Architecture and Design domains. Representation studies could arise an international debate as a convergence place of multidisciplinary theoretical and applicative contributions related to architecture, city, environ-

This book collects 66 papers and identify eight lines of research that may guide

ship between man and computer.

future developments.

ment, tangible and intangible Cultural Heritage.

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ISBN 978-88-351-1687-5

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€ 10,00 (edizione fuori commercio)

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