

# Table of Contents

## International Journal of 3-D Information Modeling

Volume 5 • Issue 1 • January-March-2016 • ISSN: 2156-1710 • eISSN: 2156-1702

*An official publication of the Information Resources Management Association*

### Research Articles

- 1 Building Information Model for Existing Buildings for Facilities Management: RetroBIM Framework**  
Giulia Carbonari, University of Greenwich, London, UK  
Spyridon Stravrovadis, University of Greenwich, London, UK  
Christine Gausden, University of Greenwich, London, UK
- 16 Impact of Fidelity in 3D Space Visualisation Across the Construction Asset Lifecycle**  
Noha Saleeb, Design Engineering Department, Middlesex University, London, UK
- 29 BIM and Cultural Heritage: Compatibility Tests in an Archaeological Site**  
Cristiana Achille, Polytechnic University of Milan, Milan, Italy  
Nora Lombardini, Polytechnic University of Milan, Milan, Italy  
Cinzia Tommasi, Polytechnic University of Milan, Milan, Italy
- 45 Development of OntEIR Framework to Support BIM Clients in Construction**  
Shadan Dwairi, University of the West of England, Bristol, UK  
Lamine Mahdjoubi, University of the West of England, Bristol, UK  
Mohammed Odeh, University of the West of England, Bristol, UK  
Mario Kossmann, Airbus, Bristol, UK
- 67 Three-Dimensional Information Retrieval (3DIR): Exploiting 3D Geometry and Model Topology in Information Retrieval from BIM Environments**  
Peter Demian, Loughborough University, Loughborough, UK  
Kirti Ruikar, Loughborough University, Loughborough, UK  
Tarun Sahu, Indian Institute of Technology Guwahati, Guwahati, India  
Anne Morris, Loughborough University, Loughborough, UK

### COPYRIGHT

The **International Journal of 3-D Information Modeling (IJ3DIM)** (ISSN 2156-1710; eISSN 2156-1702), Copyright © 2016 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of 3-D Information Modeling* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; MediaFinder; ProQuest Advanced Technologies & Aerospace Journals; ProQuest Computer Science Journals; ProQuest Illustrata: Technology; ProQuest SciTech Journals; ProQuest Technology Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory