

Table of Contents

International Journal of 3-D Information Modeling

Volume 6 • Issue 3 • July-September-2017 • ISSN: 2156-1710 • eISSN: 2156-1702

An official publication of the Information Resources Management Association

Special Issue

Guest Editorial Preface

- iv Régine Teulier, Laboratoire CRG-I3, UMR 9217, CNRS Université Paris -Saclay, Paris, France; Cognilog, Normandy, France; & MINND, Paris, France

Research Articles

- 1 **Machine Learning: Definition of Elements and Concepts Dedicated to Bridges**
Bertrand Cauvin, CEREMA, Provins Cedex, France
Pierre Benning, Bouygues Travaux Publics, Guyancourt, France
- 17 **Improving the Use of BIM Using System Engineering for Infrastructure Projects**
Charles-Edouard Tolmer, EGIS, Saint-Quentin-en-Yvelines Cedex, France
- 33 **State of the Art of HBIM to Develop the HBIM of the HeritageCare Project**
Aurélien Talon, Clermont Auvergne University – Institut Pascal, Aubière Cedex, France
Clémence Cauvin, Clermont Auvergne University – Institut Pascal, Aubière Cedex, France
Alaa Chateaneuf, Clermont Auvergne University – Institut Pascal, Aubière Cedex, France
- 44 **IFC for Infrastructure: New Concepts and Entities for Bridges**
Pierre Benning, Bouygues Travaux Publics, Guyancourt, France
- 57 **Requirement Management for the 3D Pavement Model Over the Lifecycle**
Gaelle Le Bars, EGIS, Saint-Quentin-en-Yvelines Cedex, France
Ziad Hajar, Systra, Paris, France

COPYRIGHT

The **International Journal of 3-D Information Modeling (IJ3DIM)** (ISSN 2156-1710; eISSN 2156-1702), Copyright © 2017 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